COMELIT



General Catalogue **Fire detection**

PROFESSIONAL **FIRE**

Guaranteeing the safety of people and property is the primary objective of fire detection systems. Comelit makes the most advanced and innovative technologies available to every installer, to ensure the aim of safety is met in every context. Our comprehensive range offers diverse solutions from small-scale applications to integrated systems, with the assurance of being able to utilise all our services during the various project development stages.

Comelit. With you always.

FIRE PROTECTION

REFERENCE GUIDE

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Comelit.

ITALY

FRANCE

SPAIN

GERMANY

SINGAPORE
- HONG KONG
- INDONESIA
- VIETNAM

UNITED KINGDOM
- IRELAND

NETHERLANDS

BELGIUM

USA

UNITED ARAB EMIRATES

A GROUP OF 1000 PEOPLE DRIVEN BY THE SAME SPIRIT.

Since **1956**, we have been making history in the door-entry phone and door entry monitor sector and have actively contributed to its **ongoing** development. Over the years, the experience gained in this specific sector when it comes to meeting installation requirements, such as simplicity, **reliability** and multiple functions, has allowed us to grow and make a name for ourselves as an **international benchmark company.**



Our **values** and our business **vision** are the foundation upon which we have developed a well-run, well-structured **global** organisation, with 10 branch offices, 8 Research and Development centres, more than 1000 employees and a commercial presence in over 90 countries.
In addition to video door entry systems, we design and build anti-intrusion, video surveillance, home automation, fire protection and access control systems, which makes us a **single partner specialising in protecting** people and their environment.

DESIGN MILANO

ISO 140001 CERTIFIED COMPANY

WITH YOU. ALWAYS

Our promise, our commitment.

INSPECTIONS
ON-SITE TECHNICAL AND COMMERCIAL INSPECTIONS

TELEPHONE SUPPORT

CONSULTANCY
CONSULTING FOR DESIGNING SPECIFIC PROJECTS

COURSES
PROFESSIONAL REFRESHER COURSES ALSO AVAILABLE ONLINE AND ON DEMAND



Being **close** to those who choose Comelit for their customers is our daily commitment. Our commitment is demonstrated by the fact that we are constantly researching and developing new **solutions that are easy** to install and offer high performance levels while offering daily advice and **assistance** on the phone and on site, as well as extremely reliable products and systems of the highest quality, supporting you step by step in your work. With You. Always. Because **your success is our success,** and your satisfied customers are our satisfied customers.

MYCOMELIT APP

Created to meet your requirements.

Simple, straightforward and customised.
Thanks to all the services it provides, MyComelit makes work easier for all **industry professionals:** Installers, System integrators, Building managers, Designers, Security managers, Sales assistants and Architects.



myCOMELIT®

YOU WILL NOT BE ABLE TO DO WITHOUT IT!

WHAT ARE YOU WAITING FOR?

ENTER THE WORLD OF MYCOMELIT!

AN INTERNATIONAL MODEL OF SUSTAINABILITY AND RESPONSIBILITY

EcoVadis Gold Medal

Comelit has reached an important **milestone** in its constant commitment to the environment, work, human rights, ethics and **sustainable development.**
This recognition came from **EcoVadis**, a prestigious international agency specialising in evaluating performance in **Corporate Social Responsibility** (CSR) according to high reference standards.
It is important to stress that this is not an end point, but rather another step forwards along the path of **continuous improvement.**
We are proud to share this news with you and to continue working hard to promote **sustainability**, **ethics** and **corporate social responsibility** in all our activities.



It is an achievement that tangibly highlights Comelit's ongoing commitment to contributing to creating more sustainable, responsible and inclusive futures.

HORUS: INTEGRATED SECURITY BY COMELIT

The software that makes your work easier

A monitoring **platform with graphic maps** which can be used for the integrated management of all security systems: intruder alarm, fire detection, video surveillance and video entry.
An eye that sees everything, capable of instantly indicating any kind of emergency in order to reduce the time and cost of any necessary response. A true revolution in the electrical sector, it is also suitable for operators without specific technical skills thanks to its **simple and intuitive user interface.**
It is particularly suitable for monitoring security systems in medium-large complexes such as manufacturing sites, supermarkets, large businesses, shopping centres and office blocks.

INSTANT INTERVENTION IN THE EVENT OF FIRE

TOTAL PROTECTION FOR THE AREAS COVERED

CONSTANT SYSTEM MONITORING

CENTRALISED AND REMOTE MANAGEMENT OF VIDEO ENTRY PHONE CALLS



YOUR FIRE SYSTEM ON THE CLOUD

An important evolution in the fire detection world.

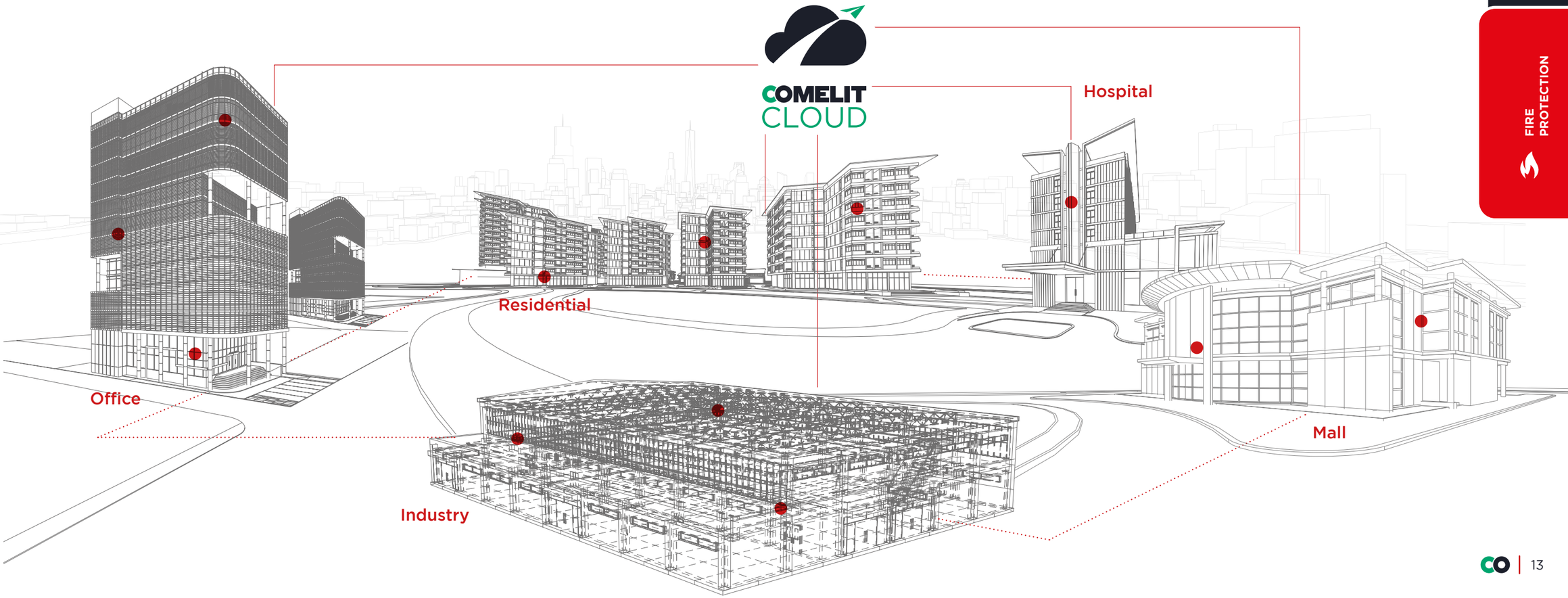
Thanks to the MyComelit APP and professionals' portal, we offer customers the option of instantly and continuously checking and monitoring the operating status of Comelit systems.

LogiFire control panels connected to the cloud allow continuous and rapid checking of the system status, quickly indicating any Alarms or Faults for each component within the system. The instant messaging service, through push notifications and emails, allows the user to immediately take corrective action aimed at ensuring the utmost security and speed, to protect people and their possessions.



The MyComelit Fire platform, available via the App, offers:

- Analysis of the system's **"vital parameters"**, such as faults, alarms, sensor contamination and event log.
- **"Real-time" diagnosis** which can be used to identify specific problems for each individual component.
- **Status analysis** for the individual Loops, the Zones, the individual devices and the peripherals. Execution of **commands** such as silencing, reset and exclusion of individual components and zones, using codes with a specific access level.
- **Transmission** of notifications and emails in real time for each type of event that has occurred within the system.
- **Maintenance management** (regulated by standards) which can be used to plan work, check deadlines and consult all the documentation produced during the test phase for the individual system.



THE **ADDRESSABLE** RANGE



64 NETWORK

MODBUS

RS485
PA/VA

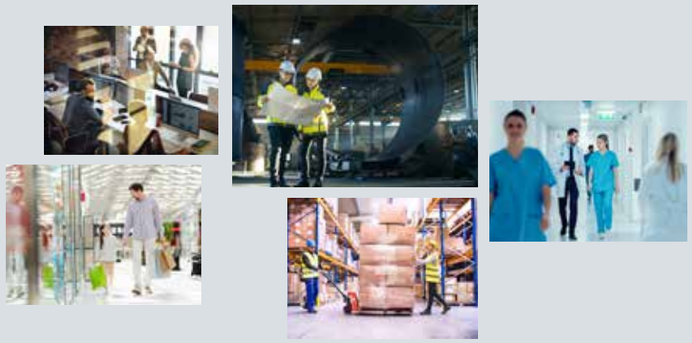
REDUNDANT CPU

TCP/IP NETWORK

ESPA 4.4.4

BIM

EN54-13



ELEGANCE, SECURITY AND INNOVATION: IN A WORD, ***LOGIFIRE***

Logifire is the ultimate technological and aesthetic evolution of the Comelit addressable range, with reliability and performance reinforcing the Comelit brand's position as a leader in the fire detection field. The future is assured with this range of control panels that can be expanded from 2 to 8 loops, the new 7" touchscreen featuring a new revolutionary and intuitive user interface, the backwards compatibility with the old series, 200 zone LEDs, the network with up to 64 control panels, the TCP/IP interface provided, MODBUS protocol, integration with voice PA/VA systems and other functions just waiting to be explored. The complete range of devices in the LogiFire range, with their versatility and ability to adapt to any installation and programming requirements, are the perfect choice for guaranteeing safety in all sites requiring protection. The product design is the other unique feature of the new range; its carefully constructed lines and its neutral appearance in any environment in which it is installed make it perfect for installation in any setting. These features are combined with other technical innovations, analysis algorithms for false alarms, and simplified cleaning and maintenance procedures. The LogiFire range by Comelit: your detection choice for the future.

ADDRESSABLE PANELS

The range of addressable panels offers various solutions linked to installation environment. The entry-level 41CPE112 control panel is applied in small systems with a basic structure of 1 loop that can be expanded to 2, for a total of 500 devices. Through the 41ECB000 interface, it can be integrated into the redundant network (64 Network).
The 41CPE118 control panel is at the top of the LogiFire range. The basic model in metal case has an innovative design, plenty of room for wiring, detachable door, 200 LEDs, 7" resistive Touch Display with new GUI and Redundant CPU, and can be expanded in its case from 1 to 4 loops. The additional 41CPE104 box offers expansion up to 8 loops, for a total of 2000 devices.
It has a Micro-USB for programming, TCP/IP interface (provided), ESPA 444 protocol, FAT-FBF protocol, serial port for printer, RS485 interface for integration with compatible PA/VA systems, Redundant control panel network (64 Network) via 41ECB000 interface. Option of mounting on 19" Rack or flush mounting using 48BIA100 accessory.

41CPE112 *LOGIFIRE EASY 1 / 2 LOOP ADDRESSABLE FIRE PANEL*



The 41CPE112 LOGIFIRE series addressable fire panel is supplied as standard with 1 Loop, which can be expanded to 2 using board 41ECL022. Up to 250 addressable devices (detectors, buttons, I/O modules, sounders, etc.), divided into a maximum of 48 zones in total, can be connected to each loop. The control panel has a 5A power supply unit with 12 V output for battery. Featuring sturdy grey metal housing (430x330x150 mm) with the same dimensions as all the control panels in the Comelit LOGIFIRE series, so as to guarantee optimum modularity and side-by-side pairing of the boxes during installation; all indications and commands are shown on the front in compliance with the requirements set out by standard EN54-2, by means of LED indications and the alphanumeric LCD display with 4 rows of 40 characters. Fire alarm, Fault, CPU Fault, Delayed Alarm, Exclusions, Test, Faulty/Excluded Sounder, Confirm Fire Alarm, Faulty/Excluded Alarm Output, Extinguishing Started, Extinction Fault, Network Present, Alarm Silenced general indications. Direct commands for Silence buzzer, Silence sounder, Reset, Evacuation, Signalling test. 4 menu navigation keys.
Approved to EN54-2, EN54-4 and EN54-13.

EN54-2 EN54-4 EN54-13 · 2 LOOPS · LCD DISPLAY · BIM · NETWORK TCP/IP

41CPE112R *LOGIFIRE EASY 1 / 2 LOOP ADDRESSABLE FIRE PANEL*



The 41CPE112 LOGIFIRE series addressable fire panel is supplied as standard with 1 Loop, which can be expanded to 2 using board 41ECL022. Up to 250 addressable devices (detectors, buttons, I/O modules, sounders etc.), divided into a maximum of 48 zones in total, can be connected to each loop. The control panel has a 5A power supply unit with 12 V output for battery. It has a sturdy red container (430x330x150 mm) with the same dimensions as all the new Comelit LOGIFIRE series control panels, so as to guarantee optimum modularity and side-by-side pairing of the boxes during installation. All indications and commands are displayed on the front in compliance with the requirements set out by standard EN54-2, by means of LED indications and the alphanumeric LCD display with 4 rows of 40 characters. Fire alarm, Fault, CPU Fault, Delayed Alarm, Exclusions, Test, Faulty/Excluded Sounder, Confirm Fire Alarm, Faulty/Excluded Alarm Output, Extinguishing Started, Extinction Fault, Network Present, Alarm Silenced general indications. Direct commands for Silence buzzer, Silence sounder, Reset, Evacuation, Signalling test. 4 menu navigation keys. Approved to EN 54-2 and EN 54-4, conforms to EN54-13.
Approved to EN54-2, EN54-4 and EN54-13.

EN54-2 EN54-4 EN54-13 · 2 LOOPS · LCD DISPLAY · BIM · NETWORK TCP/IP

41CPE118 *LOGIFIRE 1 / 8 LOOP ADDRESSABLE FIRE PANEL*



The 41CPE118 LOGIFIRE series addressable fire panel is supplied as standard with 1 Loop, which can be expanded to 4 using 3 x 41ECL220 boards, and up to 8 Loops with the addition of metal case (4 Loops, 1 as standard) Art. 41CPE104. Up to 250 addressable devices (detectors, buttons, I/O modules, sounders, etc.), divided into a maximum of 200 zones in total, can be connected to each loop. The control panel has a dual microprocessor and 14A power supply unit with 12 V output for battery, and is equipped with 200 LEDs on the front panel for zone status indication. Fire alarm, Pre-alarm, Fault, CPU Fault, Delayed Alarm, Exclusions, Test, Network Present general indications. Option of integration in monitoring systems with Modbus TCP/IP protocol and compatible with LOGIFIRE Redundancy Network through the use of art. 41ECB000. Direct connection with Comelit voice evacuation panels via RS485, by means of a protocol card, by default integrated into the control panel configuration. The control panel features sturdy grey metal housing (430x330x150 mm) with the same dimensions as all the control panels and boxes in the Comelit LOGIFIRE series, so as to guarantee optimum modularity and side-by-side pairing during installation; all indications and commands are shown on the front in compliance with the requirements set out by standard EN54-2, by means of LED indications and the 7" Resistive Touchscreen display.
Approved to EN54-2, EN54-4 and EN54-13. BOSEC certification.

EN54-2 EN54-4 EN54-13 · 8 LOOPS · MODBUS · 7" DISPLAY · ESPA 4.4.4 · TCP/IP NETWORK · RS485 PA/VA · REDUNDANT CPU · BIM

41CPE118R *RED 1/8 LOOP ADDRESSABLE FIRE ALARM PANEL*



The LOGFIRE series 41CPE118R addressable fire panel is supplied as standard with 1 Loop and can be expanded to 4 using 3 x 41ECL120 boards, and up to a maximum of 8 Loops with the addition of metal cabinet (4 Loops, 1 as standard) Art. 41CPE104R. Up to 250 addressable devices (detectors, buttons, I/O modules, sounders etc.), divided into a maximum of 200 zones in total, can be connected to each loop. The control panel features a dual microprocessor and 14A power supply unit with 12 V output for battery, and has 200 LEDs on the front panel for zone status indication. Fire alarm, Pre-alarm, Fault, CPU Fault, Delayed Alarm, Exclusions, Test, Network Present general indications. Option of integration in monitoring systems with Modbus TCP/IP protocol and compatible with LOGIFIRE Redundancy Network through the use of art. 41ECB000. The control panel has a strong metal container (430x330x150 mm) with the same dimensions as all the Comelit LOGIFIRE series fire panels and boxes, so as to guarantee optimum modularity and pairing during installation. It displays all indications and commands on the front in compliance with the requirements set out by standard EN54-2, by means of LED light signals and the 7" resistive touchscreen colour display. Approved to EN 54-2, EN 54-4 and EN54-13. By using a special Firmware version this panel complies with SS645 (Singapore Standard Ver. 645) clause 5.5.5 and 5.5.8.
Approved to EN54-2, EN54-4 and EN54-13.

EN54-2 EN54-4 EN54-13 · 8 LOOPS · MODBUS · 7" DISPLAY · ESPA 4.4.4 · TCP/IP NETWORK · RS485 PA/VA · REDUNDANT CPU · BIM

ACCESSORIES



41CPE104

4-LOOP EXPANSION BOX FOR CONTROL PANEL 41CPE118
The 41CPE104 expansion box for LOGIFIRE series addressable fire panel 41CPE118 is supplied as standard with 1 Loop, which can be expanded to 4 using 3 x 41ECL220 boards. Up to 250 addressable devices (detectors, buttons, I/O modules, sounders, etc.) can be connected to each loop. When this is used, the 41CPE118 control panel can reach its maximum expansion, reaching a total of 8 Loops. It has a sturdy metal container (430x330x150 mm) with the same dimensions as the fire panel and all other Comelit LOGIFIRE series modular boxes, so as to guarantee optimum modularity and pairing during installation. It has a 14A power supply unit with 12 V output for battery (12 V / 18 Ah batt.).
Approved to EN54-2, EN54-4 and EN54-13. BOSEC certification.

EN54-2 EN54-4 EN54-13 · BIM



41CPE104R

RED 4-LOOP EXPANSION BOX FOR 41CPE118
The 41CPE104R expansion box for LOGIFIRE series control panel 41CPE118R is supplied as standard with 1 Loop, which can be expanded to 4 using 3 x 41ECL120 boards. Up to 250 addressable devices (detectors, buttons, I/O modules, sounders etc.) can be connected to each loop. When this is used, the 41CPE118R control panel can reach its maximum expansion, reaching a total of 8 Loops. It has a sturdy metal container (430x330x150 mm) with the same dimensions as the fire panel and all other Comelit LOGIFIRE series boxes, so as to guarantee optimum modularity and pairing during installation. Colour red RAL3000. It has a 14A power supply unit with 12 V output for battery (12 V / 18 Ah batt.). *Approved to EN54-2, EN54-4 and EN54-13.*

EN54-2 EN54-4 EN54-13 · BIM



41ALM172

ADDITIONAL POWER SUPPLY UNIT FOR 41CPE118 AND 41CPE104
LOGIFIRE series additional outdoor power supply unit, designed to supply addressable control panel 41CPE118 (max. 10) and additional 4-Loop box Art. 41CPE104 (max. 10) with auxiliary power. Grey metal case with IP30 protection rating (430x330x150 mm), with the same dimensions as all Comelit LOGFIRE series control panels and boxes to guarantee installation in modular structures. 5A power supply unit with 12 V output for battery, maximum battery capacity 2 x 12 V / 18 Ah. Continuous monitoring available by activating the "Monitor external power supply unit" option in the 41CPE118 fire panel menu.
Approved to EN54-4 and EN54-13. BOSEC certification.

EN54-4 EN54-13



41ALM172R

ADDITIONAL POWER SUPPLY 41CPE118, RED
LOGIFIRE series additional outdoor power supply unit, designed to supply addressable control panel 41CPE118R with auxiliary power. Red RAL3000 metal case with IP30 protection rating (430x330x150 mm), with the same dimensions as all Comelit LOGFIRE series control panels and boxes to guarantee installation in modular structures. 5A power supply unit with 12 V output for battery, maximum battery capacity 2 x 12 V / 18 Ah. Continuous monitoring available by activating the "Monitor external power supply unit" option in the 41CPE118R fire panel menu. *Approved to EN54-4.*

EN54-4 EN54-13



41PRN100

THERMAL PRINTER FOR CONTROL PANEL 41CPE118
LOGIFIRE series thermal printer for 41CPE118 addressable control panel. Can be used to print fire panel events in real time, with a maximum printing speed of 170 mm/second. Housed in a grey metal box with the same dimensions as all the control panels and boxes in the Comelit LOGIFIRE series (LxHxD 430x330x150 mm), so as to guarantee optimum modularity and side-by-side pairing during installation. There are 2 LEDs on the front door to indicate printer status. Connection to control panel 41CPE118 takes place via RS232 serial interface. Independent power supply (100-240 VAC).
Certification in compliance with standard EN54-13. BOSEC certification.

EN54-13



41PRN100R

THERMAL PRINTER FOR CONTROL PANEL 41CPE118, RED
The 41SPG000 programmer is the instrument used to assign addresses to all the connected devices in the loop (detectors, modules, manual call points and audible/visual alarms). It can read and write the addresses and set parameters for the detectors and modules. It is supplied with a 230 VAC, 50 Hz/ 1.5-12 VDC, 500 mA, 6 VA (max.) power supply unit with plug and 2 cables for connection of the modules and manual call points. It can also be powered by 4 x 1.5 V AA batteries. The detectors and audible and visual alarm devices can be directly connected to the base on the upper part of the programmer. Dimensions: 255x102x65 mm. Weight: 260 g.
Certification in compliance with standard EN54-13.

EN54-13



41CPR100

REPEATER PANEL WITH TOUCH DISPLAY
The LOGIFIRE series repeater panel 41CPR100 can be used to receive all signals originating from the system and to carry out all procedures remotely if the control panel is difficult for the operators to access physically. It has a 7" resistive colour Touchscreen display, which replicates the same user interface as used in the LOGIFIRE series 41CPE118. Maximum number of control panels/ panels that can be connected in the RS485 network or TCP/IP LAN, 64. Direct commands for Silence buzzer, Silence sounder, Reset, Evacuation, Signalling test. Main power supply 24 Vdc. Maximum input current: 220 mA. Designed for desk base mounting using optional kit art. 41KPR101 or flush-mounting using optional kit art. 41KPR102.
Certification in compliance with standard EN54-13. BOSEC certification.

EN54-13 · BIM · 64 NETWORK · 7" DISPLAY



41KPR101

DESK BASE KIT FOR 41CPR100
Option for desk base installation of LOGIFIRE series repeater panel 41CPR100. Option of mounting with 2 different tilts. Material: Cons. Colour: White RAL 9002.



41KPR102

FLUSH MOUNTING KIT FOR 41CPR100
Option for flush installation of LOGIFIRE series repeater panel 41CPR100. Material: Cons. Colour: White RAL 9002.



41ECL220

1-LOOP CARD FOR ADDRESSABLE PANELS 41CPE118
1-Loop expansion card for Comelit LogiFire addressable control panel Art. 41CPE118 and expansion box 41CPE104 (backwards-compatible with ATENA panel 41CPE024). Maximum number of devices that can be connected to each card: 250. Equipped with a removable terminal block. Cable cross-section: 0.5 - 2.5 mm². Operating temperature -10 °C-+65 °C. Operating relative humidity: (93 ± 3%) @ 40 °C. Dimensions: 75x80 mm. Weight: 30 g.



41ECL022

1-LOOP CARD FOR ADDRESSABLE CONTROL PANELS 41CPE112
1-Loop expansion card for addressable control panel 41CPE112 (backwards-compatible with Atena Easy panel 41CPE012). Maximum number of devices that can be connected: 250. Maximum current consumption: 500 mA. Cable cross-section: 0.4 - 2.5 mm². Operating temperature: -10 °C-+65 °C. Operating relative humidity: (93±3%) @40 °C. Dimensions (LxH): 75x80 mm. Weight: 30 g.



41ECB000

REDUNDANT BOARD FOR LOGIFIRE CONTROL PANELS
This board can be used to create a redundant serial communication network between several LOGIFIRE panels and 41CPR100 repeater panels (up to 64), ensuring a backup connection line is available in the event of individual faults in the physical communication support (guarantees backwards-compatibility with ATENA series addressable panels). Maximum current consumption: 500 mA. Network type: redundant serial line. Maximum number of panels in network: 64. Maximum distance between two cards: 1000 m.

64 NETWORK



41ECN000

LAN EXPANSION FOR 41CPE112 CONTROL PANEL
Product 41ECN000 is a LAN communication module, designed to operate via serial communication with LOGIFIRE 41CPE112 fire panels and Atena Easy art. 41CPE012 (FW version 3.8.3 or higher). The module transmits incoming events to the HORUS system management software via LAN, using ModBus protocol. This module is installed directly inside the control panel and connection takes place by means of the "flat" cable supplied. The LAN module 41ECN000 is programmed using the LOGI PROG programming software (version 5.3.9 or higher).

MODBUS · TCP/IP NETWORK



41EVC101

FIRE / LOGIVOX PANEL INTERFACE MODULE
Module for interfacing addressable fire panels with Comelit voice evacuation panels. It allows the link connection of a LogiFire addressable panel art. 41CPE112 and up to 6 LogiVox PA/VA panels or 5 Comelit PA/VA panels from the previous series (49CCO00x). It allows the fire panel to manage and activate the speaker lines, linking them to Fire Zone Groups for automatic alerting and evacuation of the rooms within the protected site. It alternates the messages transmitted by the PA/VA panels and activates the sounders in the fire panel Loop. The 41EVC101 interface is connected in place of the RS485 board (art. 41ECB000) and link connection of the control panels takes place via the Ethernet cable. Communication between the 2 or more control panels takes place by means of proprietary communication protocol. Also compatible with ATENA panel art. 41CPE024, only for connection of the previous series of Comelit PA/VA panels (art. 49CCO00x).



48BIA100

FLUSH-MOUNT FRAME FOR LOGIFIRE CONTROL PANELS
Metal frame for flush mounting of Comelit LOGIFIRE series control panels and boxes. Outer frame dimensions (LxHxD mm) 500x400x10.



48CCB100

LOGIFIRE BOX FOR ADDITIONAL BATTERIES
Metal container housing additional batteries for Comelit LOGIFIRE series fire panels. Can accommodate 2 x 12 V - 18 Ah batteries. Dimensions 430 x 330 x 150 mm.



41CRA000

KEYS AND LOCKS FOR ADDRESSABLE PANELS
Set of 5 pairs of keys plus 5 spare locks for Comelit LOGIFIRE series and ATENA series addressable panels and boxes.



41LTS000 / 41LTS000EN
with english plug

LOOP TESTER
Test instrument for preliminary analysis of Loop cables; it finds and indicates the position of any short circuit or open circuit within the Loop and after reading gives the voltage and resistance values on the 2 circuit branches. It analyses the entire Loop, giving values such as consumption in current, faults and, if they are already installed, the total number of devices, listing them in address order; it also finds in indicates any duplicate addresses or non-addressed devices. It integrates the functions of a fire panel, such as the option of performing manual and automatic addressing procedures (ID/IS), changing addresses and forcing the LED on board the devices. Multi-language menu. 4 navigation keys. Power supply unit included.



41SPG000 / 41SPG000EN
with english plug

PROGRAMMER FOR ADDRESSABLE DEVICES
The programmer 41SPG000 is the instrument used to assign addresses to all the devices connected in the loop (detectors, modules, manual call points and audible/visual alarms). It can read and write the addresses and set the parameters of the detectors and modules. It is supplied with a 230 VAC, 50 Hz/ 1.5-12 VDC, 500 mA, 6 VA (max.) power supply unit and 2 cables for connection of the modules and manual call points. It can also be powered using 4 x 1.5 V AA batteries. The detectors and audible and visual alarm devices can be directly connected to the base on the upper part of the programmer. Dimensions: 255x102x65 mm. Weight: 260 g.

LOOP DEVICES



41RFU100

ADDRESSABLE OPTICAL SMOKE DETECTOR
The LOGIFIRE series 41RFU100 detector is an optical Tyndall-effect smoke detector with a built-in isolator. The digital signal processing algorithms make it particularly sensitive to detecting smoke, even in the early stages of a fire breaking out. Microprocessor-controlled digital signal analysis. Contamination level auto-compensation and maintenance indication. Programmable sensitivity across three levels. Rapid cleaning of the sensor chamber, thanks to intuitive component uncoupling. Revised design suitable for any type of installation, even the most aesthetically demanding cases. High-visibility light indications. Automatic addressing or with programmer.
Approved to EN54-7, EN54-17 and EN54-13. BOSEC certification.

EN54-7 EN54-13 EN54-17 · SMOKE · BIM



41RCS100

ADDRESSABLE HEAT DETECTOR
The LOGIFIRE series 41RCS100 detector is a programmable multifunctional heat detector with a built-in isolator. It is able to detect the set fixed threshold or rapid changes in temperature ("rate of rise") as set out by standard EN 54-5. It can be programmed to operate in compliance with classes A1/R*, A2/S* and B/S. Microprocessor-controlled digital signal analysis. Rapid cleaning of the sensor chamber, thanks to intuitive component uncoupling. Revised design suitable for any type of installation, even the most aesthetically demanding cases. High-visibility light indications. Automatic addressing or with programmer. Programmable operating classes: A1/R, A2/S, B/S.
*Approved to EN54-5, EN54-17 and EN54-13. *Certified classes. BOSEC certification.*

EN54-5 EN54-13 EN54-17 · TEMPERATURE · BIM



41RML100

ADDRESSABLE MULTI-SENSOR DETECTOR
The LOGIFIRE series 41RML100 multi-sensor detector combines the detection technologies of an A1R class rate-of-rise detector and a Tyndall effect optical smoke sensor. The sensor is also fitted with a built-in isolator. Microprocessor-controlled digital signal analysis. Contamination level auto-compensation and maintenance indication. Programmable sensitivity across three levels. Operating class A1R. Rapid cleaning of the sensor chamber, thanks to intuitive component uncoupling. Revised design suitable for any type of installation, even the most aesthetically demanding cases. High-visibility light indications. Automatic addressing or with programmer.
Approved to EN54-5, EN54-7, EN54-17 and EN54-13. BOSEC certification.

EN54-5 EN54-7 EN54-13 EN54-17 · COMBINED · BIM



41RBX020

STANDARD BASE FOR ADDRESSABLE DETECTORS
The standard base for addressable detectors has a low-profile design and an extremely reliable system for connection to the sensor, which also allows safety locking of the detector. Maximum cable cross-section: 2.5 mm². Operating temperature -10 °C / +60 °C. Operating relative humidity: (93±3) % @ 40 °C. Dimensions: 103x14.7 mm. Weight: 15 g.



41RBX020H

HIGH BASE FOR ADDRESSABLE DETECTORS
Base for Comelit addressable devices with a higher profile than the standard model Art. 41RBX020, to allow routing of the entire cable and to increase sturdiness when installing on uneven surfaces. The base has a plastic nameplate for device labelling. Extremely reliable system for connection to the sensor, which also allows that sensor to be locked for safety purposes. Maximum cable cross-section: 2.5 mm². Operating temperature -10 °C / +60 °C. Operating relative humidity: (93±3) % @ 40 °C. Dimensions: 104x17.5 mm. Weight: 45 g.



48FPT100

REMOTE LED INDICATOR
The 48FPT100 remote LED repeater replicates the status of detectors in alarm mode. Compatible with the bases and detectors that support this function. Revised design to ensure an excellent solution for any type of installation, even the most aesthetically demanding cases. Family feeling with the entire new range of LOGIFIRE sensors.

BIM

48FPT000

REMOTE LED INDICATOR
Remote indicator that repeats the status of detectors. Compatible with sensors and bases that support this function. Current consumption in active status: 30 mA. Cable cross-section: 0.4 - 2.5 mm². Operating temperature -10 °C / +60 °C. Operating relative humidity: 93 (±3) % @ 40 °C. Dimensions: 85x85x20 mm. Weight: 42 g.



48FPI000

FLUSH-MOUNT REMOTE LED INDICATOR, RED
High visibility optical repeater for use indoors or outdoors in sheltered areas; steady red indication and terminal connection. Flush mounting with 20 mm hole. Power supply 2 Vdc and low consumption 3 mA.



43RBA002

SPACER FOR FIRE SENSORS
The spacer allows side entry of the wires, using cable glands for visible systems and mounting of conventional and addressable sensors, conventional sounders (Art.48SAI020, 48SCI040, 48SCI060) and bases with addressable sounders (Art. 41SCB101 and 41SAB101), even on rough surfaces, cavity ceilings etc.



43WET000

PROTECTIVE BASE FOR FIRE DETECTORS
Protective base suitable for housing conventional and addressable Comelit fire detectors. For use where the installation surface is particularly damp, thereby ensuring the detector is protected from incoming water. Equipped with knockouts at the side for M20 cable glands (not supplied). For completion with the base for addressable or conventional detector. Material: Cons. Colour: White RAL 9016. Guaranteed sensor protection rating IP42 (if suitable cable glands are used).



41PAM000

ADDRESSABLE MANUAL CALL POINT
Addressable manual call point with built-in isolator. The button is equipped with a resettable special plastic key element (supplied) and sends an alarm signal to the panel when it is activated by pressing the indicated point. It has an LED for indicating alarm or test status. Surface mounting. Red ABS housing.
Approved to EN54-11, EN54-17 and EN54-13. BOSEC certification.

EN54-11 EN54-13 EN54-17 · BIM



41PAE020

ADDRESSABLE MANUAL CALL POINT IP67
Manual call point with protection rating IP67, designed for use in addressable type detection systems. The manual call point has a plastic reset key (supplied); when it is activated by pressing the indicated point, it sends an alarm signal to the control panel. It has an LED on the front for indicating alarm or test status. Resettable flexible element with special recovery key. Built-in isolator. Surface mounting. Red ABS housing.
Note: the declared protection rating IP67 is only applicable if using IP67 rated cable guides.
Approved as conforming to EN54-11, EN54-17 and EN54-13. BOSEC certification.

EN54-11 EN54-13 EN54-17 · IP67 PROTECTION RATING · BIM



43CPM000

METAL SIGN FOR ALARM BUTTON, 5 PCS
Metal sign for indicating fire alarm buttons, as required by reference standard UNI 9795. It has 4 holes in the corners for rapid wall installation. Dimensions 120x120 mm. Aluminium construction. Pack of 5 units.



43PAK000

SPARE KEY FOR FIRE BUTTONS
Spare key for manual buttons art. 41PAM000, 43PAM000, 41PAE020, 43PAE020 and 45PAM100

43PAT000

PLASTIC COVER FOR MANUAL CALL POINT, SET OF 5
Set of 5 protective covers in transparent plastic material, for button models 41PAM000, 43PAM000, 43PAE020, 41PAE020 and 45PAM100.



41SAI000

ADDRESSABLE SOUNDER ON LOOP
The 41SAI000 addressable sounder, with built-in isolator, is powered from the loop and is controlled by the control panel by means of the communication protocol. The standard base is required for the mounting of 41RBX020 addressable detectors. Sounder also suitable for outdoor installation, through the use of IP65 rated base Art. 41BSE000.
Approved to EN54-3, EN54-17 and EN54-13. BOSEC certification.

EN54-3 EN54-17 · SOUNDER · 32 TONI SOUNDERS



41SCI000

ADDRESSABLE SOUNDER WITH STROBE ON LOOP
The 41SCI000 addressable sounder with flashing light, with built-in isolator, is powered from the loop and is controlled by the control panel by means of the communication protocol. The standard base is required for the mounting of 41RBX020 addressable detectors. Sounder also suitable for outdoor installation, through the use of IP65 rated base Art. 41BSE000.
Approved to EN54-3, EN54-17, EN54-23 and EN54-13. BOSEC certification.

EN54-3 EN54-13 EN54-17 EN54-23 · 32 TONI SOUNDERS · STROBE · SOUNDER SOUNDERS · BIM



41SAB101

ADDRESSABLE SOUND BASE EN54-3
The 41SAB101 LOGIFIRE series addressable sounder base has a built-in sounder. A detector can be mounted on it, minimising the space required for installation. Powered directly by the control panel and controlled by means of communication protocol, it offers 32 different tones and 2 sound levels that can be programmed from the control panel. Base with sounder featuring a revised design suitable for any type of installation, even the most aesthetically demanding cases. "Family feeling" with all the sensors in the new Comelit LOGIFIRE series. Mounting on base 41RBX020 or base with flashing light 41VAD100 in compliance with standard EN54-23. Built-in isolator.
Certified according to standards EN54-3 and EN54-13.

EN54-3 EN54-13 · 32 TONI SOUNDERS · BIM



41SCB101

ADDRESSABLE SOUNDER/STROBE BASE EN54/3
The LOGIFIRE series addressable base 41SCB101 is a base with built-in sounder and flashing light. A sensor can be mounted on it, minimising the space required for installation. Powered directly by the control panel and controlled by means of communication protocol, it integrates 32 different tones with 2 sound levels that can be programmed from the control panel and a red flashing light. Sound base with a revised design suitable for any type of installation, even the most aesthetically demanding cases. Family feeling with all sensors in the new LOGIFIRE series by Comelit. Mounting on base 41RBX020. Built-in isolator. *Approved to EN54-3 and EN54-13.*

EN54-3 EN54-13 · 32 TONI SOUNDERS · BIM



K41VAD100L

BASE WITH STROBE EN54-23 + SOUND BASE EN54-3
Kit consisting of low-profile base with visual indication certified to standard EN54-23 (41VAD100) and audible indication device certified to standard EN54-3 (41SAB101), for indoor use and ceiling-mounted. Equipped with the same features as the 41RBX020 base, the 41VAD100 base incorporates 3 flashing white lights positioned evenly so as to guarantee perfect 360° visibility. Maximum consumption with flash and high volume < 29 mA. Total diameter: 160 mm. White RAL 9016. Material: Cons. *Certified according to standards EN54-3, EN54-17 and EN54-23.*

STROBE · SOUNDERS · EN54-23



41BSE000

BASE FOR ADDRESSABLE SIRENS - IP65
Base with IP65 protection rating for addressable sounders 41SAI000 and 41SCI000. Cable glands included.

IP65 PROTECTION RATING



41SAC000

COVER FOR BASE WITH SOUNDER
Consists of 5 plastic covers for bases with sounder 41SAB100, 41SAB101, 41SCB100 and 41SCB101, compatible with 41SAB000/IS and 41SCB000.



48PIN001EN

INDICATOR PANEL WITH "FIRE ALARM" TEXT
Indicator panel in transparent Plexiglass, including FIRE ALARM text label, with space dedicated to sounder housing (41SCI000, 48SAI020, 48SCI040 and 48SCI060). Supplied with screws and spacers for fixing to a wall. Dimensions 350x140x5 mm.



48LBL001

GAS ALARM STICKER FOR 48PIN001EN
GAS ALARM label for indicator panel in transparent Plexiglass Art. 48PIN001EN..



48LBL002

EVACUATE IMMEDIATELY STICKER FOR 48PIN001EN
EVACUATE IMMEDIATELY label for indicator panel in transparent Plexiglass Art. 48PIN001EN.



48LBL003

DO NOT ENTER GAS RELEASED STICKER, 48PIN001EN
DO NOT ENTER GAS RELEASED label for indicator panel in transparent Plexiglass Art. 48PIN001EN.



41IOM022
41IOM022XL

ADDRESSABLE MODULE WITH 2 INPUTS AND 2 OUTPUTS
The 41IOM022 addressable module, with built-in isolator, controls two balanced inputs and commands two relay outputs. It is powered from the loop and is controlled by the control panel by means of the communication protocol. The module comes in a plastic container which is suited to wall mounting; it has a transparent plastic cover for easy visual inspection.
Approved to EN54-17, EN54-18 and EN54-13. BOSEC certification.

41IOM022XL: Box dimensions (mm) 191x125x61. Colour White with transparent black cover, Protection rating IP65, Material: ABS, PC. *Approved to EN54-17, EN54-18 and EN54-13. BOSEC certification.*

EN54-13 EN54-17 EN54-18 · 2-IN MODULES · 2-OUT MODULES · IP40 PROTECTION RATING



41IOM122
41IOM122XL

ADDRESSABLE MODULE WITH 2 INPUTS AND 2 OUTPUTS
The addressable module, with built-in isolator, controls two balanced inputs and commands two supervised or relay outputs, depending on the position of the 2 jumpers inside the module. It is powered from the loop and is controlled by the control panel by means of the communication protocol. The module comes in a plastic container which is suited to wall mounting; it has a transparent plastic cover for easy visual inspection.
Approved to EN54-17, EN54-18 and EN54-13. BOSEC certification.

41IOM122XL: Box dimensions (mm) 191x125x61. Colour White with transparent black cover, Protection rating IP65, Material: ABS, PC. *Approved to EN54-17, EN54-18 and EN54-13. BOSEC certification.*

EN54-13 EN54-17 EN54-18 · 2-IN MODULES · 2-OUT MODULES · IP 40 PROTECTION RATING



41IOM040
41IOM040XL

ADDRESSABLE MODULE WITH 4 INPUTS
Addressable module 41IOM040, with integrated on-board isolator, controls four balanced inputs. It is powered from the loop and is controlled by the control panel by means of the communication protocol. The module comes in a plastic container which is suited to wall mounting; it has a transparent plastic cover for easy visual inspection. *Approved to EN54-17, EN54-18 and EN54-13. BOSEC certification.*

41IOM040XL: Box dimensions (mm) 191x125x61. Colour White with transparent black cover, Protection rating IP65, Material: ABS, PC.. *Approved to EN54-17, EN54-18 and EN54-13. BOSEC certification.*

EN54-13 EN54-17 EN54-18 · 4-IN MODULES · IP 40 PROTECTION RATING



41IOM004
41IOM004XL

ADDRESSABLE MODULE WITH FOUR RELAY OUTPUTS
Addressable module 41IOM004, with integrated on-board isolator, controls four relay outputs. It is powered from the loop and is controlled by the control panel by means of the communication protocol. The module comes in a plastic container which is suited to wall mounting; it has a transparent plastic cover for easy visual inspection. *Approved to EN 54-17, EN 54-18 and EN54-13. BOSEC certification.*

41IOM004XL: Box dimensions (mm) 191x125x61. Colour White with transparent black cover, Protection rating IP65, Material: ABS, PC. *Approved to EN54-17, EN54-18 and EN54-13. BOSEC certification.*

EN54-13 EN54-17 EN54-18 · 4-OUT MODULES · IP 40 PROTECTION RATING



41IOM000
41IOM000XL

ADDRESSABLE MODULE WITH 1 SUPERVISED OUTPUT
The 41IOM000 addressable module, with built-in isolator, commands a live output for controlling audiovisual devices, electromagnetic catches, etc. with separate power supply. Terminals for 24 V users and separate 24 V max. 750 mA outputs. It is powered from the loop and is controlled by the control panel by means of the communication protocol. The module comes in a plastic container which is suited to wall mounting; it has a transparent plastic cover for easy visual inspection. *Approved to EN54-17, EN54-18 and EN54-13. BOSEC certification.*

41IOM000XL: Box dimensions (mm) 191x125x61. Colour White with transparent black cover, Protection rating IP65, Material: ABS, PC. *Approved to EN54-17, EN54-18 and EN54-13. BOSEC certification.*

EN54-13 EN54-17 EN54-18 · 1-OUT MODULES · IP 40 PROTECTION RATING



41IOM000/240
41IOM000/240XL

ADDRESSABLE MODULE, 1 RELAY OUTPUT, 240VAC
Addressable module art. 41IOM000/240, with built-in isolator, commands a voltage-free relay output for controlling devices with power supply voltage up to 250 VAC (4A) or 30 VDC (3A). It is powered from the loop and is controlled by the control panel by means of the communication protocol. The module comes in a plastic container which is suited to wall mounting; it has a transparent plastic cover for easy visual inspection.
Approved to EN54-17, EN54-18 and EN54-13. BOSEC certification.

41IOM000/240XL: Box dimensions (mm) 191x125x61. Colour White with transparent black cover, Protection rating IP65, Material: ABS, PC. *Approved to EN54-17, EN54-18 and EN54-13. BOSEC certification.*

EN54-13 EN54-17 EN54-18 · 1-OUT MODULES · IP 40 PROTECTION RATING



41ISC000
41ISC000XL

ADDRESSABLE MODULE FOR CONVENTIONAL ZONE
The 41ISC000 addressable module, with built-in isolator, allows interfacing of the addressable fire detection system and a conventional zone powered separately. It is powered from the loop and is controlled by the control panel by means of the communication protocol. Separate 24 V terminals for line power supply. The module comes in a plastic container which is suited to wall mounting; it has a transparent plastic cover for easy visual inspection. *Approved to EN54-17, EN54-18 and EN54-13.*

41ISC000XL: Box dimensions (mm) 191x125x61. Colour White with transparent black cover, Protection rating IP65, Material: ABS, PC. *Approved to EN54-17, EN54-18 and EN54-13.*

EN54-13 EN54-17 EN54-18 · 1-IN MODULES · IP 40 PROTECTION RATING



41IOM010

ADDRESSABLE MINI MODULE WITH ONE INPUT
The addressable mini module 41IOM010 controls one monitored input to allow interfacing between the fire detection system and signals originating from other systems (e.g. gas or other types of detectors). The information sent to the control panel the moment the input is activated can be programmed for use in the way most suited to the specific application. 41IOM010 is designed for wall installations thanks to the plastic box in which it is housed or, thanks to its small size for built-in installations (electrical boxes or directly in the device you want to control) simply by extracting the PCB from its casing. It is designed for wall installations thanks to the plastic box in which it is housed or, thanks to its small size for built-in installations (electrical boxes or directly in the device you want to control) simply by extracting the PCB from its casing. Box dimension 53x37x18mm, PCB dimension: 43x25mm. *Approved to EN 54-18.*

EN54-18 · 1-IN MODULES



41IOM001

MINI ADDRESSED MODULE, ONE RELAY OUTPUT
Mini addressable module capable of driving a relay output with clean contact, suitable for controlling circuits with 24 VAC voltage. 41IOM001 is designed for wall installations thanks to the plastic box in which it is housed or, thanks to its small size for built-in installations (electrical boxes or directly in the device you want to control) simply by extracting the PCB from its casing. The mini module is powered by the loop and is controlled by the fire control panel by means of the communication protocol. The output terminals are pre-wired in the factory with coloured wires for easy recognition during its installation. Box dimensions: 53x37x18mm, PCB dimensions: 43x25mm. *Approved to EN 54-18.*

EN54-18 · 1-OUT MODULES



41LED032

32-LED MIMIC PANEL MODULE
Addressable module with 32 Open Collector outputs. Intended for the construction of synoptic panels. The module is installed on the loop and powered externally. It incorporates outputs for control panel status indication (Fire Alarm, Fault, Exclusions) and operational inputs such as: Sounder Silencing, Buzzer Silencing, Reset, Test and Command Lock. Housed in a grey plastic box with dimensions LxHxD (225x174x80).
Approved to EN54-17, EN54-18 and EN54-13. BOSEC certification.

EN54-13 EN54-17 EN54-18 · 32 LEDS



41RGM100

ADDRESSABLE RESIDENTIAL GAS DETECTOR LPG / METHANE
The 41RGM100 is an addressable gas, LPG and CH4 (Methane), leakage detector designed for connection to 41CPE118 and 41CPE112 addressable fire alarm panels. The detector has a built-in isolator module (in compliance with EN 54-17). When flammable gas is present and detected at protected premises in concentrations, higher than the dangerous threshold, alarm level is activated. The red LED along with the buzzer turns on and the relay output is activated. Power supply: 12-30VDC. Protection rating: IP30. Housed in a RAL9016 white ABS box with dimensions LxHxD (130x115x32mm). *Approved to EN54-17*

EN54-17 · GAS

THE **CONVENTIONAL** RANGE



2 ZONES

4 ZONES

8 ZONES

16 ZONES

EN54-2
EN54-4









ERACLE *SIMPLE, SAFE AND RELIABLE*

The range of conventional control panels in the ERACLE series offers the perfect solution for all small-scale installations in which the identification of individual points in alarm mode is not required.
The different configurations vary depending on the number of zones required. Each one of these may be connected to all the technologies used in the range of conventional detectors, MCP's or any other detection technology such as beam detectors, wireless systems, aspiration, etc.
For the signalling part, monitored outputs are available for all audio/visual, activation or inhibition signalling equipment, or anything else that needs to be managed from the control panel.

CONVENTIONAL CONTROL PANELS

The conventional control panels in the ERACLE series present themselves as the ideal solution for every small application where it is necessary to provide a simple detection that still offers a high level of security. The range fully conforms to standard EN54 and offers varying number of zones (2-4-8), providing a simple and intuitive user interface.
All indications are shown on the control panel by means of indicator lights which allow them to be identified clearly and instantly.
All devices in the conventional range or detection equipment with relay output can be connected to each zone using the correct balancing.

43CPC016EN *ERACLE CONVENTIONAL CONTROL PANEL WITH 8-16 ZONES*



Eracle 8-16 is a conventional fire detection panel certified to EN54-2 and EN54-4 with 8 zones expandable up to 16 with 4 zones card art. 43ECZ020. The panel comes with a sturdy plastic cabinet and an LED display. It shows fire and fault alarms for each detection zone plus general information such as alarm, fault, sounder disable, zones disable, test and power. Commands available are test, sounder silence, reset and walk test. Access protected by key. 8 relays and 4 outputs for sounder cards can be installed as optional. If needed, a EVENT LOG module can be installed to record up to 510 events. It is possible to connect another panel as repeater (SLAVE) to the MASTER for remote the indications at a distance of up to 1 km.
Approved to EN54-2 and EN54-4.

EN54-2
EN54-4

16 ZONES

43CPC008EN *ERACLE CONVENTIONAL CONTROL PANEL WITH 8 ZONES*



ERACLE 8-ZONE is a conventional fire alarm control panel which supports up to 32 sensors or buttons for each detection line. It has a strong plastic container and displays all indications and commands on the front in compliance with the requirements set out by law. Indications for each Alarm and Fault line. Fire Alarm, Fault, Faulty/Excluded Siren, Exclusion, Test and Mains Voltage general indications. Silence Buzzer, Silence Siren, Inclusion/Exclusion, Test, Reset and Audible Alarm commands. End-of-line impedance activated for continuous monitoring of the detection lines. Walk Test. Access levels protected by means of a secure key. Programmable detection method with confirmation. Programmable siren activation delay. Can be expanded with 8-relay module. 12 VDC / 7 Ah secondary power supply battery. *Approved to EN 54-2 and EN 54-4.*

EN54-2
EN54-4

8 ZONES

43CPC004EN *ERACLE CONVENTIONAL CONTROL PANEL WITH 4 ZONES*



ERACLE 4-ZONE is a conventional fire alarm control panel which supports up to 32 sensors or buttons for each detection line. It has a strong plastic container and displays all indications and commands on the front in compliance with the requirements set out by law. Indications for each Alarm and Fault line. Fire Alarm, Fault, Faulty/Excluded Siren, Exclusion, Test and Mains Voltage general indications. Silence Buzzer, Silence Siren, Inclusion/Exclusion, Test, Reset and Audible Alarm commands. End-of-line impedance activated for continuous monitoring of the detection lines. Walk Test. Access levels protected by means of a secure key. 12 VDC / 7 Ah secondary power supply battery. *Approved to EN 54-2 and EN 54-4.*

EN54-2
EN54-4

4 ZONES

43CPC002EN *ERACLE CONVENTIONAL CONTROL PANEL WITH 2 ZONES*



ERACLE 2-ZONE is a conventional fire alarm control panel which supports up to 32 sensors or buttons for each detection line. It has a strong plastic container and displays all indications and commands on the front in compliance with the requirements set out by law. Indications for each Alarm and Fault line. Fire Alarm, Fault, Faulty/Excluded Siren, Exclusion, Test and Mains Voltage general indications. Silence Buzzer, Silence Siren, Inclusion/Exclusion, Test, Reset and Audible Alarm commands. End-of-line impedance activated for continuous monitoring of the detection lines. Walk Test. Access levels protected by means of a secure key. 12 VDC / 7 Ah secondary power supply battery. *Approved to EN 54-2 and EN 54-4.*

EN54-2
EN54-4

2 ZONES

ACCESSORIES



43ECR032

EXPANSION MODULE WITH 8 RELAYS FOR ERACLE 8 AND ERACLE 16
The 8-relay expansion module can be connected to the 8-zone ERACLE control panel art. 43CPC008 and 43CPC016 via the serial port. Each relay is associated with a zone and will be activated in the event of a fire alarm being generated in that zone. Power supply voltage: 24 VDC. Consumption in standby: 8 mA. Additional consumption for each active relay: 10 mA. Maximum current consumption: 2 A. Contacts capacity: 1 A@12 V or 0.5 A @24 VDC. Cable cross-section: 1.5 - 2.5 mm². Operating temperature -5 °C - +40 °C. Operating relative humidity: 93% (± 3%)@40 °C. Dimensions: (HxLxD): 130x111x41 mm. Weight: 0.4 kg.

8-OUT MODULES



43EOL000

SET OF 5 EOL FOR CONVENTIONAL ZONE
Set of 5 end-of-line resistors for conventional zone.



43CRE000

SET OF 5 PAIRS OF KEYS FOR ERACLE PANEL
Set of 5 pairs of keys for Eracle panel.

DEVICES



43ECS020

EXPANSION CARD WITH 4 SOUNDER CIRCUITS FOR ERACLE 16
4 sounder lines expander module for ERACLE 16. Consumption in alarm status 150 mA. Operating temperature 0 °C to +40 °C. Weight 200 g. Dimensions 57x81 mm.



43ECZ020

EXPANSION CARD WITH 4 ZONES FOR ERACLE 16
4 zones expander module for ERACLE 16. Up to 32 devices can be connected to each zone. Consumption in standby mode 130 mA. Consumption in alarm status 330 mA. Dimensions 57x81 mm. Weight 200 g.



43LEC000

EVENT LOG FOR ERACLE 16
Event Log for Eracle 16. Number of memory events 510. Nominal voltage 24 Vdc. Consumption in standby mode 25 mA. Consumption with activated backlight: 55 mA±2 mA. Maximum consumption with activated backlight and relay output: 76 mA±2 mA. Dimensions: 125x66 mm



43RFU100

CONVENTIONAL OPTICAL SMOKE DETECTOR
The 43RFU100 detector is an optical smoke detector with a particularly sensitive digital algorithm for signal processing and can detect smoke even in the initial stages of a fire. Its detection features also make it suitable for application in environments such as offices and schools, supermarkets etc., where early fire detection is of fundamental importance. Microprocessor-controlled digital signal analysis. Low-profile design. Light indications via 2 LEDs which guarantee 360° visibility. Status indication every 8 seconds.
Approved to EN54-7.

EN54-7 SMOKE



43RCS100

RATE-OF-RISE CONVENTIONAL HEAT DETECTOR, THRESHOLD 58°
The 43RCS100 detector is able to detect when the set threshold of 58 °C is exceeded, in addition to rapid changes in temperature (rate of rise) as set out by standard EN 54-5 for class A1R. The control algorithms implemented also mean it can be used in environments which are subject to ambient temperature changes; it is particularly useful for dusty or dirty environments or where the humidity level is high, factors which may negatively impact the performance of the optical sensors. Microprocessor-controlled digital signal analysis. Low-profile design. Light indications via 2 LEDs which guarantee 360° visibility. Status indication every 8 seconds.
Approved to EN54-5.

EN54-5 TEMPERATURE



43RCS101

CONVENTIONAL HEAT DETECTOR, THRESHOLD 60°
The 43RCS101 detector is capable of detecting when the set threshold of 60 °C has been exceeded, as set out in standard EN 54-5 for class A2S. The control algorithms implemented also mean it can be used in environments correctly subject to rapid and significant changes in temperature; it is particularly useful for dusty and/or dirty environments which may have a high concentration of steam and exhaust gases (e.g. garages, boiler rooms, kitchens, etc.). Microprocessor-controlled digital signal analysis. Low-profile design. Light indications via 2 LEDs which guarantee 360° visibility. Status indication every 8 seconds.
Approved to EN54-5.

EN54-5 TEMPERATURE



43RCS102

CONVENTIONAL HEAT DETECTOR, THRESHOLD 75°
This conventional detector has a set threshold of 75 °C, as set out in standard EN 54-5 for class B/S. The control algorithms implemented mean it can be used in environments subject to rapid and considerable changes in temperature and is particularly useful for applications in dusty environments, with a high concentration of vapours and exhaust gases (e.g. garages, boiler rooms, kitchens, etc.). Microprocessor-controlled digital signal analysis. Low-profile design. Light indications by means of 2 LEDs with 360° visibility.
Approved to EN54-5.

EN54-5 TEMPERATURE



43RML100

CONVENTIONAL MULTI-SENSOR DETECTOR
The 43RML100 multi-sensor detector combines the detection modes of the 43RCS100 rate-of-rise detector and the 43RFU100 optical smoke detector, and is therefore particularly suited to applications where early fire detection must be ultra-reliable (hotels, museums, etc.). The detector signals an alarm if the smoke or temperature threshold is exceeded, plus if there is a sudden rise in temperature the smoke detection sensitivity is set to maximum. Microprocessor-controlled digital signal analysis. Low-profile design. Light indications via 2 LEDs which guarantee 360° visibility. Status indication every 8 seconds.
Approved to EN54-5 and EN54-7.

EN54-5 EN54-7 COMBINED



43RBX000

STANDARD BASE FOR CONVENTIONAL DETECTORS
The standard base for conventional detectors has a low-profile design and an extremely reliable sensor connection system that provides a secure fixing for the detector. Dimensions: ø 102 mm, h 11 mm.



43RBX001

BASE WITH DIODE FOR CONVENTIONAL DETECTORS
The standard base with diode for conventional detectors has a low-profile design and an extremely reliable sensor connection system that provides a secure fixing for the detector. The diode senses when the detector is removed from its base. Dimensions: ø 102 mm, h 11 mm. Weight: 42 g.



43RBX003

RELAY BASE FOR CONVENTIONAL DETECTORS
The base with relay for conventional detectors has a low-profile design and an extremely reliable sensor connection system that provides a secure fixing for the detector. The base is equipped with a 12 VDC relay for interfacing with security systems. It can also operate in reset mode. Dimensions: ø 102 mm, h 11 mm. Weight: 46 g.



43RBX004

BASE WITH DIODE FOR CONVENTIONAL DETECTORS - 45 mA
Base with diode for conventional detectors with a low-profile design and an extremely reliable sensor connection system that provides a secure fixing for the detector. Compatible with fire alarm panels, where the current in alarm status is >=45 mA. The diode senses when the detector is removed from its base. Dimensions (ø x H): 102 x 11 mm. Weight: 42 g.



43RBX005

TALL BASE FOR CONVENTIONAL DETECTORS
The tall standard base for conventional detectors has an extremely reliable system for connection to the sensor, which also allows safety locking of the detector. In addition to guaranteeing more space for routing cables, it also allows side entry of the wires using cable glands, directly into the base without having to use special spacers. Material: white Cons. Maximum cable cross-section: 2.00 mm². Dimensions: ø 102 mm, h 25.3 mm. Weight 50 g.



48FPT100

REMOTE LED INDICATOR
The 48FPT100 remote LED repeater replicates the status of detectors in alarm mode. Compatible with the bases and detectors that support this function. Revised design to ensure an excellent solution for any type of installation, even the most aesthetically demanding cases. Family feeling with the entire new range of LOGIFIRE sensors.

48FPT000

REMOTE LED INDICATOR
Remote indicator that repeats the status of detectors. Compatible with sensors and bases that support this function. Current consumption in active status: 30 mA. Cable cross-section: 0.4 - 2.5 mm². Operating temperature -10 °C / +60 °C. Operating relative humidity: 93 (±3) % @ 40 °C. Dimensions: 85x85x20 mm. Weight: 42 g.



48FPI000

FLUSH-MOUNT REMOTE LED INDICATOR, RED
High visibility optical repeater for use indoors or outdoors in sheltered areas; steady red indication and terminal connection. Flush mounting with 20 mm hole. Power supply 2 Vdc and low consumption 3 mA.



43RBA002

SPACER FOR FIRE SENSORS
The spacer allows side entry of the wires, using cable glands for visible systems and mounting of conventional and addressable sensors, conventional sounders (Art. 48SAI020, 48SCI040, 48SCI060) and bases with addressable sounders (Art. 41SCB101 and 41SAB101), even on rough surfaces, cavity ceilings, etc.



43WET000

PROTECTIVE BASE FOR FIRE DETECTORS
Protective base suitable for housing conventional and addressable Comelit fire detectors. For use where the installation surface is particularly damp, thereby ensuring the detector is protected from incoming water. Equipped with knockouts at the side for M20 cable glands (not supplied). For completion with the base for addressable or conventional detector. Material: Cons. Colour: white RAL 9016.



43PAM000

CONVENTIONAL MANUAL CALL POINT
Manual call point with protection rating IP40, designed for use in conventional type detection systems. The call point has a plastic reset key (supplied) and, when it is activated by pressing the indicated point, it sends an alarm signal to the control panel. It has an LED on the front for indicating alarm or test status. Resettable flexible element with special key. Surface mounting. Red ABS housing.
Approved to EN54-11.

EN54-11



43PAE020

CONVENTIONAL MANUAL CALL POINT IP67
Manual call point with protection rating IP67, designed for use in conventional type detection systems. The manual call point has a transparent protective cover to prevent accidental activation, in addition to a plastic reset key (supplied); when it is activated by pressing the indicated point, it sends an alarm signal to the control panel. It has an LED on the front for indicating alarm or test status. Resettable flexible element with special recovery key supplied. Surface mounting. Red ABS housing.
Approved in compliance with EN54-11.

EN54-11 PROTECTION RATING IP67



43CPM000

METAL SIGN FOR ALARM BUTTON, 5 PCS
Metal sign for indicating fire alarm buttons, as required by reference standard UNI 9795. It has 4 holes in the corners for rapid wall installation. Dimensions 120x120 mm. Aluminium construction. Pack of 5 units.



43PAK000

SPARE KEY FOR MANUAL CALL POINTS
Spare key for manual buttons art. 41PAM000, 43PAM000, 41PAE020, 43PAE020 and 45PAM100.



43PAT000

PLASTIC COVER FOR MANUAL CALL POINT, SET OF 5
Set of 5 protective covers in transparent plastic material, for button models 41PAM000, 43PAM000, 43PAE020, 41PAE020 and 45PAM100.

THE **EXTINGUISHING** RANGE



EN54-2
EN54-4
EN12094-1









EXTINGUISHING CONTROL PANELS
TAKE ACTION BEFORE IT'S TOO LATE

The extinguishing panels are designed to manage all logics and timescales relating to automatic extinguishing systems protecting DPCs, Archives, Technical sites or anywhere it is necessary to actively safeguard the contents without creating disruption.
The extinguishing part can be entrusted to conventional technologies or, where appropriate, employed through communication with addressable panels.

EXTINGUISHING RANGE

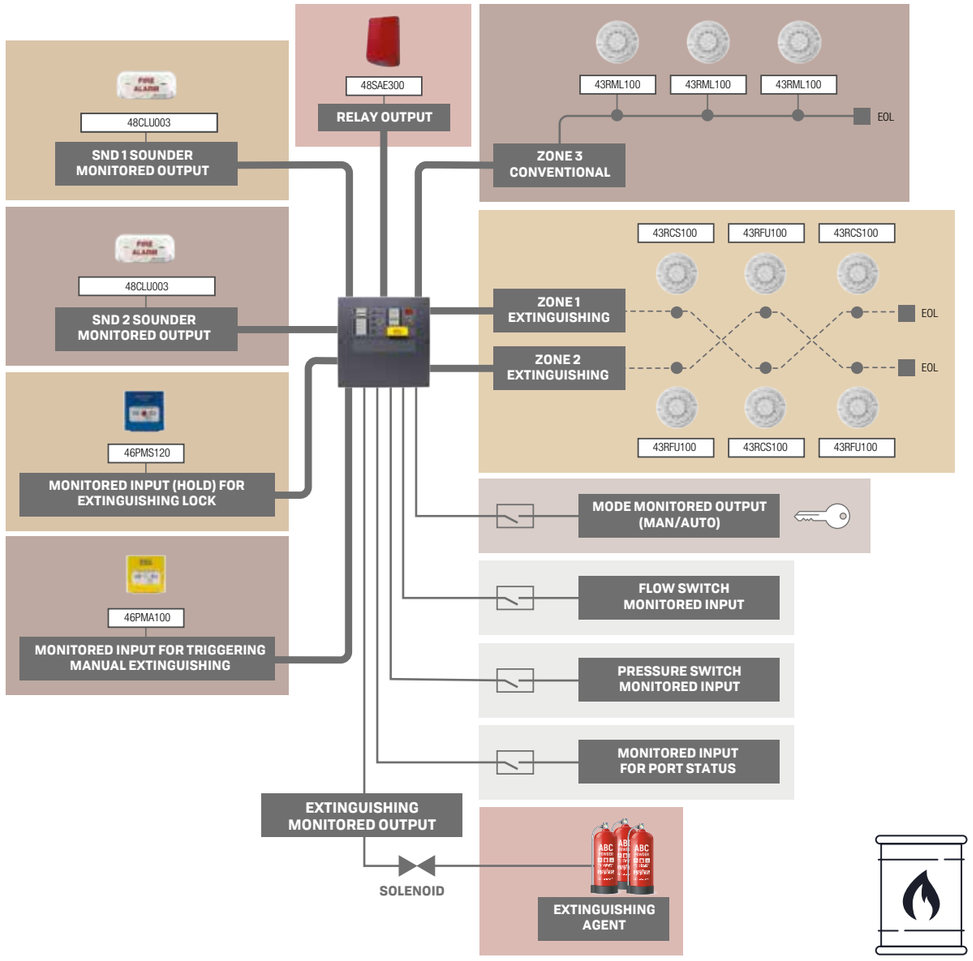
46EST003 *EXTINGUISHING PANEL*



Conventional extinguishing panel with 3 wired zones (2 for extinguishing and 1 for alarm), designed for use in conjunction with active extinguishing systems. The event log module art. 46LEP000 (optional) can also be added. LCD display for showing the countdown, manual call point directly in the control panel, mechanical key for selecting the operating mode. Logic programming via jumper. Two monitored sounder outputs (Abandon area and Extinguishing in progress), 4 OC outputs for indications (Extinguishing pre-alarm, Extinguishing, Low pressure, Manual), Input for Extinguishing exclusion, Low pressure, Manual drain, Flow switch). Maximum battery capacity 2 x 12 V / 7 Ah.

EN54-2
EN54-4
EN12094-1

3 ZONES



DEVICES



46LEP000

EVENT LOG FOR EXTINGUISHING PANEL
Optional module for storing and viewing the 46EST003 extinguishing panel event log, with the option of storing up to 1000 events.



46PMA100

YELLOW BUTTON FOR EXTINGUISHING ACTIVATION
Yellow manual button for forced triggering of the extinguishing process in the protected area. Pressing the flexible element starts the extinguishing process. Features a protective transparent cover to prevent unwanted activation; reset key supplied. Dimensions (LxHxD mm) 94x92x60. Material: Cons. Protection rating IP40.



46PMS120

BLUE BUTTON TO STOP EXTINGUISHING
Blue manual button for temporarily stopping the extinguishing process. Pressing the button stops and delays the extinguishing process within the protected area of the site, applying a time period programmed previously on the control panel. Features a protective transparent cover to prevent unwanted button activation. Dimensions (LxHxD mm) 94x92x60. Material: Cons. IP40 protection rating.



48CTS020

MAGNETIC CHANGEOVER CONTACT WITH TERMINAL
Magnetic contact for visible installation on doors, windows and REI fire doors. Connection takes place via 5 internal terminals with NO/NC changeover contact. The package includes screws for fixing the contact and push-fit screw covers. The operating distance of 25 mm in open air guarantees optimal operation on all surfaces.

THE **WIRELESS LOGIFIRE** RANGE



868-869 MHz
WIRELESS

EN54-25

1500m
COVERAGE







WIRELESS LOGIFIRE *GOES WHERE CABLES CANNOT REACH*

Wireless fire technology allows the installation of detection and alarm equipment in areas without the necessary provision, or where architectural constraints do not allow wiring to take place. With the Comelit addressable wireless range, all equipment is battery powered and monitored in two-way mode by the receiving unit, which is powered directly from the Loop line and therefore does not require additional power supplies. The detection technologies are completely identical to those for the wired addressable line, apart from the fact that all alarm, fault, device removed and test information is sent via radio signal from the devices on site to the receiving module, for subsequent transmission to the fire panel. This guarantees a communication speed equalling that of wired technology. It is therefore a perfect solution for historical sites, accommodation facilities, museums, as it can adapt to settings in which cables are not an option. Communication reliability, range and signal stability make this range - developed entirely by Comelit - a certainty in the field of fire detection via radio signal, where even aesthetics are not overlooked, retaining the family feeling with devices in the wired series to guarantee visual uniformity even in combined installations.

DEVICES



45TRA100

ADDRESSABLE WIRELESS TRANSLATOR
Addressable wireless expansion module designed for operation with Comelit addressable wireless fire panel 41CPE118. The module is powered directly by the Loop line without the need for additional power supplies and is monitored using proprietary protocol. Two-way radio communication with connected wireless devices, which are automatically recognised by the fire panel. Up to 32 devices can be enrolled on a specific module to form a linear network. Up to 5 45TRA100 expansion modules can be connected to a single Logifire 41CPE118 panel. Information on the status of enrolled wireless devices is shown on its LCD display and also reported in the addressable panel menu. Communication distance between expander and devices (in open space) over 1000 m. Equipped with dipole omnidirectional antenna with SMA connector which guarantees broad coverage and stable communication with enrolled wireless devices. 45TRA100 is housed in a plastic container suitable for wall mounting, and has a built-in isolator. It has 6 different frequency channel pairings and AFA (automatic frequency adaptation) option for automatically searching for the best radio channel for each situation. Power supply 17-30 Vdc. Operating temperature -10 °C / +55 °C. Dimensions (LxHxD) 191x125x60 mm. Material: Cons. IP40 protection rating.
Approved to EN54-17, EN54-18 and EN54-25.

EN54-17 EN54-18 EN54-25 · 868-869 MHz WIRELESS



45TRC100

CONVENTIONAL WIRELESS TRANSLATOR
Wireless expansion module designed for operation with Comelit ERACLE series conventional fire alarm panels or with the addressable module for conventional zone art. 41ISC000, and for connections with third-party conventional panels. The module is powered by an external power supply unit and monitored using proprietary protocol. Two-way radio communication with connected wireless devices. Up to 32 devices can be enrolled on a specific module to form a linear network. Up to 5 x 45TRC100 expansion modules can be connected to a single conventional panel/system. Information on the status of enrolled wireless devices is shown on its LCD display. Communication distance between expander and devices (in open space) over 1000 m. Equipped with dipole omnidirectional antenna with SMA connector which guarantees broad coverage and stable communication with enrolled wireless devices. 45TRC100 is housed in a plastic container suitable for wall mounting. It has 6 different frequency channel pairings and AFA (automatic frequency adaptation) option for automatically searching for the best radio channel for each situation. Power supply: 24 Vdc ± 10%. Maximum consumption (with LCD active) 19 mA @ 24 Vdc and (with LCD off) 15 mA @ 24 Vdc. Operating temperature -10 °C / +55 °C. Dimensions (LxHxD) 191x125x60 mm. Material: Cons. IP40 protection rating.
Approved to EN54-18 and EN54-25.

EN54-18 EN54-25 · 868-869 MHz WIRELESS



45RFU100

ADDRESSABLE WIRELESS OPTICAL SMOKE DETECTOR
Tyndall effect wireless addressable optical smoke detector with isolator designed for operation with Comelit wireless expansion modules. The detector has 360° visibility LED indication and a built-in buzzer for additional signalling in the event of a fire alarm (can be excluded) and for searching within the system. To prevent unauthorised disassembly or removal, the detector can be locked on at the base. Equipped with an anti-tamper feature to indicate opening. The digital signal processing algorithms of 45RFU100 make it particularly sensitive to detecting smoke, even in the early stages of a fire breaking out. Device enrolling is easy and instant. Communication distance between detector and expander (in open space) over 1000 m. Bidirectional radio communication with proprietary communication protocol. Batteries (3 x CR123A) with maximum life up to 10 years (depending on usage and settings). Operating temperature -10 °C / +55 °C. Dimensions (including base) Ø108x76 mm. Material: Cons. IP30 protection rating.
Approved to EN54-7 and EN54-25.

EN54-7 EN54-25 · 868-869 MHz WIRELESS



45RCS100

ADDRESSABLE WIRELESS HEAT DETECTOR
Wireless addressable heat detector designed for operation with Comelit wireless expansion modules. The detector has 360° visibility LED indication and a built-in buzzer for additional signalling in the event of a fire alarm (can be excluded) and for searching within the system. To prevent unauthorised disassembly or removal, the detector can be locked on at the base. Equipped with an anti-tamper feature to indicate opening. 45RCS100 is able to detect the fixed threshold of 58°C in addition to rapid changes in temperature (rate of rise) as set out by standard EN 54-5 for class A1R. Device enrolling is easy and instant. Communication distance between detector and expander (in open space) over 1000 m. Bidirectional radio communication with proprietary communication protocol. Batteries (2 x CR123A) with maximum life up to 10 years (depending on usage and settings). Operating temperature -10 °C / +55 °C. Dimensions (including base) Ø108x76 mm. Material: Cons. IP30 protection rating. Available temperature classes A1/R and A2/S.
Approved to EN54-5 and EN54-25.

EN54-5 EN54-25 · 868-869 MHz WIRELESS



45RML100

ADDRESSABLE WIRELESS MULTI-SENSOR DETECTOR
Wireless addressable multi-sensor detector designed for operation with Comelit wireless expansion modules. The detector has 360° visibility LED indication and a built-in buzzer for additional signalling in the event of a fire alarm (can be excluded) and for searching within the system. To prevent unauthorised disassembly or removal, the detector can be locked on at the base. Equipped with an anti-tamper feature to indicate opening. 45RML100 combines the detection modes of a heat detector and an optical smoke detector, and is therefore particularly suited to applications where early fire detection must be ultra-reliable (hotels, museums, etc.). The detector signals the alarm if the smoke or temperature threshold is exceeded. Device enrolling is easy and instant. Communication distance between detector and expander (in open space) over 1000 m. Bidirectional radio communication with proprietary communication protocol. Batteries (3 x CR123A) with maximum life up to 10 years (depending on usage and settings). Operating temperature -10 °C / +55 °C. Dimensions (including base) Ø108x82 mm. Material: Cons. IP30 protection rating. Available temperature classes A1/R and 4 different sensitivities programmable via the fire panel menu. *Approved to EN54-5, EN54-7 and EN54-25.*

EN54-5 EN54-7 EN54-25 · 868-869 MHz WIRELESS



45PAM100

ADDRESSABLE WIRELESS MANUAL CALL POINT
Wireless addressable manual call point designed for operation with Comelit wireless expansion modules. Resettable operative element with special plastic key (supplied). Device enrolling is easy and instant. Communication distance between button and expander (in open space) over 1000 m. Bidirectional radio communication with proprietary communication protocol. Main battery (1 x CR123A) with maximum life up to 10 years (depending on usage and settings). Instant transmission the event of an alarm, fault and removal of the base, thanks to the tamper device inside. Operating temperature -10 °C / +55 °C. Dimensions (LxHxD) 90x90x57 mm. Material: Cons. IP40 protection rating.
Approved to EN54-11 and EN54-25.

EN54-11 EN54-25 · 868-869 MHz WIRELESS



43CPM000

METAL SIGN FOR ALARM BUTTON, 5 PCS
Metal sign for indicating fire alarm buttons, as required by reference standard UNI 9795. It has 4 holes in the corners for rapid wall installation. Dimensions 120x120 mm. Aluminium construction. Pack of 5 units.



43PAK000

SPARE KEY FOR FIRE BUTTONS
Spare key for manual buttons art. 41PAM000, 43PAM000, 41PAE020, 43PAE020 and 45PAM100.



43PAT000

PLASTIC COVER FOR MANUAL CALL POINT, SET OF 5
Set of 5 protective covers in transparent plastic material, for button models 41PAM000, 43PAM000, 43PAE020, 41PAE020 and 45PAM100.



45SCI100

ADDRESSABLE WIRELESS SIREN WITH STROBE
Wireless addressable sounder with strobe designed for operation with Comelit wireless expansion modules. Equipped with 360° visibility LED indicators and a built-in audio alert device for additional signalling in the event of a fire alarm and for searching within the system. To prevent unauthorised disassembly or removal, it can be locked on at the base. Equipped with an anti-tamper feature to indicate opening. 45SCI100 has 4 sound levels and 32 different tones. Maximum sound power 92 dB(A) ±5 dB @ 1 m (high volume and main tone 27). Device enrolling is easy and instant. Communication distance between detector and expander (in open space) over 1000 m. Bidirectional radio communication with proprietary communication protocol. Batteries (4 x CR123A) with maximum life up to 8 years (depending on usage and settings). Operating temperature -10 °C / +55 °C. Dimensions (including base) Ø116x90 mm. Material: SAN. IP31 protection rating.
Approved to EN54-3, EN54-23 and EN54-25.

EN54-3
EN54-23
EN54-25

32 TONE SOUNDERS

STROBE

SOUNDERS



45SKW100

WIRELESS KIT SURVEY CASE
Test Kit for Comelit wireless device installations. Designed for advance testing of the radio signal strength between the expander and the device so as to guarantee proper operation of the wireless system once it is installed and allowing the installer to choose the best position for device operation. This diagnostics kit does not require specific configuration; once it is switched on and the device has been paired with the expander, it is ready to use. The signal strength is shown on the expander module display and can also be indicated through the flashing of the LEDs on the detector which, depending on their colour, indicate the quality of the signal between the 2 pieces of equipment. The kit, housed in a case to allow convenient transportation, consists of: an expander and a wireless detector, plug-in power supply unit and ducting for creating the required extension to be fitted to the sensor body. The expander module is supplied as standard with 5 x CR123A batteries to guarantee battery operation whenever power supply sources are not available at the site.

THE **SIGNALLING DEVICES** RANGE



EN54-3
EN54-23

32
TONI
SOUNDERS

STROBE
FLASH
STROBE

SOUNDER
SOUNDERS











SIGNALLING DEVICES
ALERTING TO ENSURE YOUR SAFETY

A complete range of devices for the audio-visual signalling of fire alarm events. They can be made to communicate with conventional or addressable control panels depending on the type requested in the design phase, audio only, visual, wall- or ceiling-mounted, for indoor or outdoor installation.

AUDIOVISUAL DEVICES



48SAE300

CONVENTIONAL OUTDOOR SOUNDER, EN54-3
IP44 conventional outdoor sounder, electronic part protection IP54, equipped with strobe (2 high-efficiency LEDs), red plastic material, power supply voltage 20-30 VDC, consumption 28 mA@24 V. Sound power 95 dB@1 m. Dimensions: H=310 mm, L=230 mm, P=60 mm. *Approved to EN54-3 and EN54-13. BOSEC certification.*

EN54-3 EN54-13 · SOUNDERS · STROBE · PROTECTION RATING (IP 54)



48CLU003

AUDIBLE-VISUAL SIGN EN54-3, EN54-23
Audible/visual indication sign with “Fire Alarm” text. Low consumption thanks to white high-efficiency LED lighting. Multi-tone audible part, 7 certified, can be changed via dip-switch. Designed for wall mounting or partial flush mounting. Sound power 71 to 91 dB depending on the selected tone. Power supply voltage 19-30 VDC.
Approved to EN54-3 and EN54-23.

EN54-3 EN54-23 · SOUNDERS · STROBE · PROTECTION RATING (IP 21)



48CLU006

FIRE ALARM TEXT FOR 48CLU003
Interchangeable FIRE ALARM text for audible-visual sign 48CLU003.



48CLU007

EVACUATE IMMEDIATELY TEXT FOR 48CLU003
Interchangeable "EVACUATE IMMEDIATELY" text for visual-audible sign Art. 48CLU003



48CLU008

DO NOT ENTER GAS RELEASED TEXT, 48CLU003
Interchangeable DO NOT ENTER GAS RELEASED text for audible-visual sign Art. 48CLU003.



48SAE000

ELECTRONIC SIREN - IP66 EN54-3
Low-energy, high-volume outdoor sounder with 32 tone options. Max. sound power 110 dB at 1 m. Max. consumption 39 mA. Protection rating IP66 (fixing backplate art. 48SAE001 for IP66 rating not included). Power supply voltage 9-30 Vdc. Dimensions 92 mm (diameter) x 95 mm.
Approved to EN54-3.

EN54-3 · 32 TONE SOUNDERS · SOUNDERS · PROTECTION RATING (IP 66)



48SAE001

BACKPLATE FOR 48SAE000 SIREN, IP66 MOUNTING
Mounting backplate for the 48SAE000 sounder with IP66 protection rating.

PROTECTION RATING (IP 66)



48SAI050

INDOOR SOUNDER WITH STROBE
Conventional fire protection sounder with red strobe, equipped with an input for connection to a conventional or addressable control panel by means of an output module. Compact sounder designed for indoor use and surface mounting. Simple and quick installation without having to remove any part of the sounder; a single screw is all that is required to secure it. Power supply voltage 16-29 VDC, maximum consumption 75 mA (24 Vdc). Maximum sound power 100 dB @ 1 m. Material: red Cons. Dimensions (LxHxD) 69x94x45. Weight 77 g. IP21C protection rating.
Approved to EN54-3 and EN54-13. BOSEC certification.

EN54-3 EN54-13 · SOUNDERS · STROBE · PROTECTION RATING (IP 21)



48SAI020

INDOOR 32-TONE SOUNDER
Conventional fire protection sounder with 32 different alarm tones that can be selected via DIP switch on the PCB. The sounder has two inputs for connection to a conventional fire alarm control panel: “Alarm” and “Evacuation”. The audio tones are different to make it easy for users at the protected site to recognise them. The Evacuation event takes top priority. The sounder is easy to install and has three parts: a base for the mounting surface, the sounder body and a red plastic cover.
Approved to EN54-3 and EN54-13. BOSEC certification.

EN54-3 EN54-13 · 32 TONE SOUNDERS · SOUNDERS · PROTECTION RATING (IP 21)



48SCI040

SOUNDER WITH RED STROBE
Conventional sounder with red strobe for surface mounting, designed for installation in conventional fire alarm systems. Supports 32 different tones and two sound levels, controlled via jumper. The device has two separate additional inputs for Alarm and Evacuation events. The audio tones are different to make it easy for users at the protected site to recognise them. The Evacuation event takes top priority.
Approved to EN54-3 and EN54-13. BOSEC certification.

EN54-3 EN54-13 · SOUNDERS · STROBE · 32 TONE SOUNDERS · PROTECTION RATING (IP 21)



48SCI060

SOUNDER WITH WHITE STROBE
Conventional fire alarm sounder with strobe. The sounder supports 32 different alarm tones that can be selected via DIP switch on the PCB. The sounder has two inputs for connection to a conventional fire alarm control panel: “Alarm” and “Evacuation”. If both inputs are used, the “Evacuation” input always takes top activation priority. It is designed exclusively for indoor use. The sounder is easy to install and has three parts: a surface mounting base, combined sounder and strobe in a single body and a transparent plastic cover.
Approved to EN54-3, EN54-23 and EN54-13. BOSEC certification.

EN54-3 EN54-13 EN54-23 · SOUNDERS · STROBE · 32 TONE SOUNDERS · PROTECTION RATING (IP 21)



48PIN001EN

INDICATOR PANEL WITH “FIRE ALARM” TEXT
Indicator panel in transparent Plexiglass, including FIRE ALARM text label, with space dedicated to sounder housing (41SCI000, 48SAI020, 48SCI040 and 48SCI060). Supplied with screws and spacers for fixing to a wall. Dimensions 350x140x5 mm.



48LBL001

GAS ALARM STICKER FOR 48PIN001EN
GAS ALARM label for indicator panel in transparent Plexiglass Art. 48PIN001EN..



48LBL002

EVACUATE IMMEDIATELY STICKER FOR 48PIN001EN
EVACUATE IMMEDIATELY label for indicator panel in transparent Plexiglass Art. 48PIN001EN.



48LBL003

DO NOT ENTER GAS RELEASED STICKER, 48PIN001EN
DO NOT ENTER GAS RELEASED label for indicator panel in transparent Plexiglass Art. 48PIN001EN.



43RBA002

SPACER FOR FIRE SENSORS
The spacer allows side entry of the wires, using cable glands for visible systems and mounting of conventional and addressable sensors, conventional sounders (Art.48SAI020, 48SCI040, 48SCI060) and bases with addressable sounders (Art. 41SCB101 and 41SAB101), even on rough surfaces, cavity ceilings etc.



43RBR003

SPACER FOR FIRE SENSORS, RED
The spacer allows side entry of the wires, using cable glands for visible systems, required for mounting of red sounders Art. 48SAI020 and 48SCI040.



ASNEX120DC

HIGH PERFORMANCE AUDIO SIGNALLER, 120 dB EN54-3
High performance impact-resistant audio signaller, suitable for installation in industrial environments with a particularly high level of background noise. 64 tones available. Sound power 120 dB, maximum consumption 550 mA (depending on the selected tone), power supply 10 to 60 Vdc. Convenient click-fit mounting onto the base. Operating temperature -25 to +70 °C. Material: Cons. IP66 protection rating.
Approved to EN54-3.

EN54-3 · 64 TONE SOUNDERS · SOUNDERS · PROTECTION RATING



ASNEXP110DC

AUDIO-VISUAL SIGNALLER, 110 dB EN54-3/23
High performance impact-resistant audio-visual signaller suitable for installation in industrial environments with a particularly high level of background noise. Convenient click-fit mounting onto the base. 64 tones available. Sound power 110 dB, consumption 30-85 mA (depending on the selected tone and flash frequency), power supply 17 to 60 Vdc. Optical coverage (W) 3.1-11.3. Operating temperature -25 to +70 °C. Material: Cons. IP66 protection rating.
Approved to EN54-3 and EN54-23.

EN54-3 EN54-23 · 64 TONE SOUNDERS · SOUNDERS · STROBE · PROTECTION RATING



WCW98

WALL-MOUNTED STROBE AND SOUNDER, IP65
High-efficiency audio-visual signaller with low consumption, designed for fire alarm and surface-mounted systems. Has 32 main tones and 32 alternative tones, option of 2 different volume levels and 2 levels of optical coverage. Sound power at high volume 100 dB (A) @ 1 m. Consumption 14.5 mA (high volume and coverage), 12.5 mA (low volume and coverage). Optical coverage (W) 4 m x 9 m with low-consumption white flashing LED. Synchronised flashing lights for connection with several devices. Power supply 9-60 Vdc. IP65 protection rating. Dimensions (H x W x L) 63x109x120 mm.
Approved to EN54-3 and EN54-23.

EN54-3 EN54-23 · 32 TONE SOUNDERS · SOUNDERS · STROBE · PROTECTION RATING



WCW99

WALL-MOUNTED STROBE AND SOUNDER, IP21
High-efficiency audio-visual signaller with low consumption, designed for fire alarm and surface-mounted systems. Has 32 main tones and 32 alternative tones, option of 2 different volume levels and 2 levels of optical coverage. Sound power at high volume 100 dB (A) @ 1 m. Consumption 14.5 mA (high volume and coverage), 12.5 mA (low volume and coverage). Optical coverage (W) 4 m x 9 m with low-consumption white flashing LED. Synchronised flashing lights for connection with several devices. Power supply 9-60 Vdc. IP21 protection rating. Dimensions (H x W x L) 45x109x120 mm.
Approved to EN54-3 and EN54-23.

EN54-3 EN54-23 · 32 TONE SOUNDERS · SOUNDERS · STROBE · PROTECTION RATING



WBW98

WALL-MOUNTED STROBE WITH WHITE LEDS IP65
High-efficiency visual signaller with low consumption, designed for fire alarm and surface-mounted systems. 2 different levels of optical coverage (W) 4 m x 9 m or (W) 3 m x 7 m, depending on the micro switch selections, low-consumption white flashing LED. Consumption 14.5 mA (high coverage), 8 mA (low coverage). Synchronised flashing lights for connection with several devices. Power supply 9-60 Vdc. IP65 protection rating. Dimensions (H x W x L) 63x109x120 mm.
Approved to EN54-23.

EN54-23 · STROBE · PROTECTION RATING



WBW99

WALL-MOUNTED STROBE WITH WHITE LEDS IP21
High-efficiency visual signaller with low consumption, designed for fire alarm and surface-mounted systems. 2 different levels of optical coverage (W) 4 m x 9 m or (W) 3 m x 7 m, depending on the micro switch selections, low-consumption white flashing LED. Consumption 14.5 mA (high coverage), 8 mA (low coverage). Synchronised flashing lights for connection with several devices. Power supply 9-60 Vdc. IP21 protection rating. Dimensions (H x W x L) 45x109x120 mm.
Approved to EN54-23.

EN54-23 · STROBE · PROTECTION RATING



WMS98

WALL-MOUNTED SOUNDER, IP65
High performance audio signaller with low consumption, designed for fire alarm and surface-mounted systems. Has 32 main tones and 32 alternative tones, option of 4 different volume levels. Sound power at high volume 105 dB (A) @ 1 m. Consumption 4 mA / 2.3 mA / 1.3 mA / 1 mA (high / medium-high / medium-low / low volume). Power supply 9-60 Vdc. IP65 protection rating. Dimensions (H x W x L) 63x109x120 mm.
Approved to EN54-3.

EN54-3 · 32 TONE SOUNDERS · SOUNDERS · PROTECTION RATING



WMS99

WALL-MOUNTED SOUNDER, IP21
High performance audio signaller with low consumption, designed for fire alarm and surface-mounted systems. Has 32 main tones and 32 alternative tones, option of 4 different volume levels. Sound power at high volume 105 dB (A) @ 1 m. Consumption 4 mA / 2.3 mA / 1.3 mA / 1 mA (high / medium-high / medium-low / low volume). Power supply 9-60 Vdc. IP21 protection rating. Dimensions (H x W x L) 45x109x120 mm.
Approved to EN54-3.

EN54-3 · 32 TONE SOUNDERS · SOUNDERS · PROTECTION RATING



48CME100

OUTDOOR BELL, 24 VDC 15 mA EN54-3
Aluminium outdoor bell with a high acoustic output and low consumption. Sound power 92-96 dB(A). Current consumption 15 mA. IP56 protection rating. Power supply voltage 20-27.6 Vdc. Dimensions 150 mm (diameter) x 87 mm. Weight 499 g.
Approved to EN54-3.

EN54-3 · SOUNDERS · PROTECTION RATING



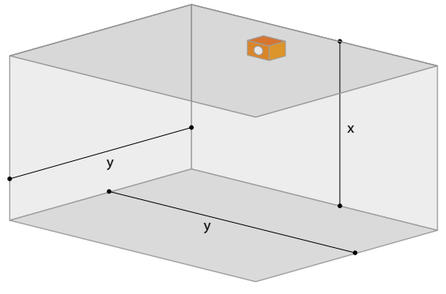
48CMI100

INDOOR BELL, 24 VDC 15 mA EN54-3
Aluminium indoor bell with a high acoustic output and low consumption. Sound power 92-96 dB(A). Current consumption 15 mA. IP21C protection rating. Power supply voltage 20-27.6 Vdc. Dimensions 150 mm (diameter) x 53 mm. Weight 410 g.
Approved to EN54-3.

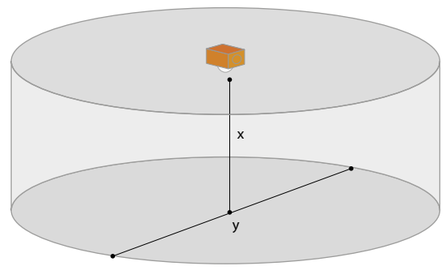
EN54-3 · SOUNDERS · PROTECTION RATING

VISUAL FIRE ALARM DEVICES - UNI EN54-23:

OPTICAL RANGE OF A SIGNALLER FOR SURFACE-MOUNTED (WALL) INSTALLATION:



OPTICAL RANGE OF A SIGNALLER FOR CEILING INSTALLATION:



THE **ASPIRATING** RANGE



1 CHANNEL
ASD ASPIRATING

2 CHANNELS
ASD ASPIRATING

EN54-20

CLASS A
ASD ASPIRATING

CLASS B
ASD ASPIRATING

CLASS C
ASD ASPIRATING









ASPIRATING *DETECT EARLY, BUT SUBTLY*

The technology applied to aspirating systems allows early detection of potential alarm causes through a complex and sophisticated air sampling process. The analysis unit pairs the aspiration system with highly sensitive detectors capable of detecting very low percentages of smoke that may be present in a room. Early detection allows the system to intervene at the very start of combustion, to prevent the fire from spreading. Calculation software can be used to size the pipes and the cross-section of holes correctly, in order to guarantee the category requested for the project. A full range of accessories allows quick and easy installation.

ASPIRATING SYSTEM CONTROL PANELS

ASD531 *ASPIRATING SMOKE DETECTOR, 1 CHANNEL*



1-channel aspirating system equipped with a detector, designed for small-sized applications with sensitivity, configuration and very early alarm detection requirements, such as: DPCs, storage rooms, sterile environments, areas with dual flooring, lift / goods lift shafts, electrical and distribution panels, etc. Complete with high sensitivity smoke detector, filter, suction device and flow monitoring system. Commissioning and configuration are carried out on the device itself, without the use of additional software, using rotary selectors and DIP switches. For pipework planning, the PipeFlow software offers optimised design for any type of installation. LED interface for instant status indication. 2 relay outputs (Alarm, Fault). 2 OC outputs (Alarm, Fault). Internal log memory capacity up to 1000 events. Capacity of the internal log memory up to 1000 events. Memory card housing included (SD Card not provided) to record up to 640,000 events. Rapid installation with the option of inverting the position of the machine (straight up/upside-down). Power supply 24 Vdc, with the option of a second redundant power supply. Consumption in alarm status 80 mA (@24 VDC). Maximum permitted length of the pipe network 75 m with branches. Class A (6 holes), class B (8 holes), class C (12 holes). IP54 protection rating. Operating temperature -10 to +55 °C.
Approved to EN54-20. Vds, UL and FM certification.

EN54-20 Vds, UL, FM | 1 CHANNEL ASD ASPIRATING | CLASS A ASD ASPIRATING | CLASS B ASD ASPIRATING | CLASS C ASD ASPIRATING | 12 HOLES ASD ASPIRATING

ASD532 *ASPIRATING SMOKE DETECTOR, 1 CHANNEL*



1-channel aspirating system designed for small-/medium-sized applications with sensitivity, configuration and very early alarm detection requirements, such as: DPCs, storage rooms, sterile environments, areas with dual flooring, cavity ceilings, lift / goods lift shafts, electrical and distribution panels, etc. Complete with filter, suction device and flow monitoring system. For completion with high sensitivity smoke detector art. SSD532. Commissioning and configuration can be carried out using specific programming SW or via simplified configuration which allows a pre-set design to be loaded using the switching devices inside the suction unit. For pipework planning, the PipeFlow software offers optimised design for any type of installation. LED interface for instant status indication. 2 relay outputs (Alarm, Fault). 2 OC outputs (Alarm, Fault). Capacity of the internal log memory up to 1000 events. Memory card housing included (SD Card not provided) to record up to 640,000 events. Rapid installation with the option of inverting the position of the machine (straight up/upside-down). Power supply 24 Vdc, with the option of a second redundant power supply. Consumption in alarm status 115 mA (@24 VDC). Maximum permitted length of the pipe network 120 m with branches. Class A (8 holes), class B (12 holes), class C (16 holes). IP54 protection rating. Operating temperature -20 to +60 °C.
Approved to EN54-20. Vds, UL and FM certification.

EN54-20 Vds, UL, FM | 1 CHANNEL ASD ASPIRATING | CLASS A ASD ASPIRATING | CLASS B ASD ASPIRATING | CLASS C ASD ASPIRATING | 16 HOLES ASD ASPIRATING

ASD533 *ASPIRATING SMOKE DETECTOR, 1 CHANNEL*



1-channel aspirating system equipped with a detector, designed for medium-/large-sized applications with sensitivity, configuration and very early alarm detection requirements, such as: DPCs, warehouses, storage rooms, sterile environments, areas with dual flooring, cavity ceilings, lift / goods lift shafts, electrical and distribution panels, etc. Complete with high sensitivity smoke detector, filter, suction device and flow monitoring system. Commissioning and configuration can be carried out using specific programming SW or via simplified configuration which allows a pre-set design to be loaded using the switching devices inside the suction unit. For pipework planning, the PipeFlow software offers optimised design for any type of installation. LED interface for instant status indication. 3 relay outputs (Alarm, Fault, Configurable). 3 OC outputs (Alarm, Fault, Configurable), where free OC output programming will be the same as the configuration for relay 3. Capacity of the internal log memory up to 430 events, can be expanded to over 16 million using the optional module Art. MCM35 (SD-Card included). Rapid installation with the option of inverting the position of the machine (straight up/upside-down). Power supply 24 Vdc, with the option of a second redundant power supply. Consumption in alarm status 160 mA (@24 VDC). Maximum permitted length of the pipe network 200 m with branches. Class A (16 holes), class B (50 holes), class C (50 holes). IP54 protection rating. Operating temperature -20 to +60 °C.
Approved to EN54-20. Vds, UL and FM certification.

EN54-20 Vds, UL, FM | 1 CHANNEL ASD ASPIRATING | CLASS A ASD ASPIRATING | CLASS B ASD ASPIRATING | CLASS C ASD ASPIRATING | 50 HOLES ASD ASPIRATING

ASD5332 *ASPIRATING SMOKE DETECTOR, 2 CHANNELS*



2-channel aspirating system equipped with 2 detectors, designed for medium-/large-sized applications with sensitivity, configuration and very early alarm detection requirements, such as: DPCs, warehouses, storage rooms, sterile environments, areas with dual flooring, false ceilings, lift / goods lift shafts, electrical and distribution panels, etc. Complete with 2 high sensitivity smoke detectors, filter, suction device and flow monitoring system. Commissioning and configuration can be carried out using specific programming SW or via simplified configuration which allows a pre-set design to be loaded using the switching devices inside the suction unit. For pipework planning, the PipeFlow software offers optimised design for any type of installation. LED interface for instant status indication. 3 relay outputs (Alarm 1, Alarm 2, Fault). 3 OC outputs (Alarm 1, Alarm 2, Fault. Capacity of the internal log memory up to 430 events, can be expanded to over 16 million using the optional module Art. MCM35 (SD-Card included). Rapid installation with the option of inverting the position of the machine (straight up/upside-down). Power supply 24 Vdc, with the option of a second redundant power supply. Absorption in alarm status 270 mA (@24VDC). Maximum permitted length of the pipe network 200 m with branches. Class A (16 holes), class B (50 holes), class C (50 holes). IP54 protection rating. Operating temperature -20 +60°C. *Approved to EN54-20. Vds, UL and FM certification.*

EN54-20 Vds, UL, FM | 2 CHANNELS ASD ASPIRATING | CLASS A ASD ASPIRATING | CLASS B ASD ASPIRATING | CLASS C ASD ASPIRATING | 50 HOLES ASD ASPIRATING

SENSORS AND ACCESSORIES FOR ASPIRATING CONTROL PANELS

	**SSD532**	**DETECTOR FOR MACHINE ASD532** Detector for 1-channel suction machine Art. ASD532. Not included in control panel configuration; order separately. Alarm sensitivity range: 0.02 obs%/m – 10 obs%/m.
	**SSD5353**	**DETECTOR FOR MACHINE ASD5352** Detector for 2-channel suction machine Art. ASD5352. Not included in control panel configuration; order separately. Alarm sensitivity range: 0.02 obs%/m – 10 obs%/m.
	**SSD31**	**SPARE DETECTOR FOR MACHINE ASD531** Spare detector for 1-channel suction machine Art. ASD531. Alarm sensitivity range: 0.02 obs%/m – 10 obs%/m.
	**SSD533**	**SPARE SENSOR FOR ASD533 / ASD5332 ASPIRATING SMOKE DETECTORS** Spare sensor for aspirating smoke detectors Art. ASD533 (1 channel) and Art. ASD5332 (2 channels). Alarm sensitivity range: 0.02 obs%/m – 10 obs%/m.
	**ADB500**	**AUTOMATIC SYSTEM FOR PIPE CLEANING** Automatic cleaning system for air sampling pipes. Particularly suitable for environments with a large amount of dust or dirt particles, to guarantee longer detector life and avoid potential false alarms. Equipped with an inlet pipe with a diameter of 25 mm. Constant air pressure of 4 bar. Required connection to a compressed air system. Power supply 15 - 30 Vdc. Maximum consumption 55 mA. IP65 protection rating. Operating temperature 0 +50 °C. Weight 2800 g. Dimensions (HxLxD) 235x205x90 mm.
	**MCM35**	**SD-CARD MODULE FOR ASD533 AND ASD5352** Memory Card module for machines ASD533 and ASD5352 allowing the tacking of over 16 million events and the recording of read data values for 80 days. This capacity is fixed (SD cards larger than 1 GB will not expand the capacity). The module is supplied with a mounting backplate, screws, flat cable for connection and industrial type SD card. Power supply 5 Vdc. Maximum consumption 25 mA. Operating temperature -30 +60 °C. Dimensions (HxLxD) 58x99x17 mm.
	**IPS35**	**SPARE MESH FILTER FOR ASD MACHINES** Spare metal mesh filter for ASD series aspirating panels, 2 pcs.
	**DFU911**	**25 MM IN-LINE EXTERNAL FILTER, FOR ASD** 25 mm external in-line filter with filtering element, for use with Comelit ASD series aspirating smoke detectors. For installation in applications that may be particularly dusty or dirty, such as sawmills, scrapyards, etc., in order to significantly extend the life of the smoke sensors inside the machine, as well as the airflow sensors and suction device used in the ASD. The internal filtering elements should be replaced regularly (product number RFC911). Operating temperature 0 +60 °C. Dimensions 210x111x137 mm. Material ABS, UL 94-V0. Grey colour.
	**RFC911**	**REPLACEMENT FOR FILTER DFU911, 1 PC.** Spare filtering element for external filter, item DFU911, 1 pc.
	**FBS25**	**25 MM EXTERNAL FILTER, FOR COLD ROOMS** 25 mm external in-line filter with filtering element. For installation before the suction machine. Suitable for application in particularly cold environments, such as cold storage rooms. Operating temperature -30 +60 °C. Dimensions 80x82x85. Material: PC. Grey colour.
	**FBS25EFM**	**REPLACEMENT FOR FILTER FBS25, 5 PCS.** Spare filtering element for external filter, item FBS25. Pack of 5 pcs.

ACCESSORIES

	**PIP-001**	**RED ABS 25 MM PIPE, 20 X 3 METRES** 20x 3 metre lengths of RAL3000 ABS 25 mm pipe.
	**PIP-002**	**CONNECTION SOCKET FOR 25 MM PIPE (10 PCS)** Connection socket for 25 mm pipe (10 pieces).
	**PIP-003**	**OPENING CONNECTION SOCKET FOR 25 MM PIPES (10 PCS)** Socket union for 25 mm pipe (10 pieces).
	**PIP-005**	**90 ELBOW FOR 25 MM PIPE (10 PCS)** 90° elbow for 25 mm pipe (10 pieces).
	**PIP-006**	**45 ELBOW FOR 25 MM PIPE (10 PCS)** 45° elbow for 25 mm pipe (10 pieces).
	**PIP-007**	**END CAP FOR 25 MM PIPE (10 PCS)** End cap for 25 mm pipe (10 pieces).
	**PIP-008**	**EQUAL TEE FOR 25 MM PIPE (10 PCS)** Equal Tee for 25 mm pipe (10 pieces).
	**PIP-009**	**CLIP FOR 25 MM PIPE (20 PCS)** Clip for 25 mm pipe (20 pieces).
	**PIP-014**	**PIPE CUTTERS** Pipe cutters (1 piece).
	**PIP-015**	**FLUSH SAMPLE POINT HEAD FOR CAPILLARY PIPE** Flush sample point head for capillary pipe (1 piece).
	**PIP-016**	**TEE ADAPTER FOR CAPILLARY PIPE (10 PCS)** Tee adapter for capillary pipe (10 pieces).
	**MV25**	**3-WAY VALVE FOR PIPE CLEANING** Manual ball valve (3-way) for air sampling pipework maintenance and cleaning procedures using compressed air. Operating temperature -40 +60 °C. Dimensions (HxLxD) 100x145x90 mm. Material: Cons. Colour: grey RAL 7001.
	**PIP-018**	**25 MM ABS PIPE TEST POINT** Socket with cap for weekly TESTING of the 25 mm pipe.
	**PIP-021**	**25 MM FLEXIBLE CONNECTOR, 100 CM** 25 mm flexible connector, 100 cm (1 piece).

	**WRT25**	**WATER FILTER WITH TRANSPARENT PIPE AND VALVE** Water trap pipe used in applications with a high humidity level and constant changes in temperature. This should be drained manually by opening the ball valve. Operating temperature -40 +70 °C. Dimensions (LxØ): 410x75 mm. (1 piece).
	**PIP-026**	**25 MM FLEXIBLE CONNECTOR, 30 CM** 25 mm flexible connector, 30 cm (1 piece).
	**PIP-027**	**REMOTE SAMPLING TEST POINT FOR CAPILLARY TUBE** Remote sampling test point for 10 mm capillary tube (1 piece).
	**COLL250**	**ADHESIVE FOR PIPES AND SOCKETS 250 ML** Adhesive for gluing pipes and fittings. Supplied with applicator brush. Contents: 250 ml.
	**059-001**	**FLUSH SAMPLE POINT KIT AND 2 M PIPE** Flush sample point kit and 2 metre length of 10 mm pipe (1 piece).
	**059-007**	**CONICAL SAMPLE POINT KIT AND 2 M PIPE** Conical sample point kit and 2 metre length of 10 mm pipe (1 piece).
	**128-014**	**ROUND SAMPLING POINT LABEL (100 PCS)** Round sampling point label (100 pieces on roll).
	**128-015**	**SMOKE DETECTOR PIPE LABEL (100 PCS)** Smoke detector pipe label (100 pieces).
	**128-046**	**RECTANGULAR SAMPLING LABEL (100 PCS)** Rectangular sampling point label (100 pieces on roll).
	**144-013**	**CONICAL SAMPLE POINT HEAD** Conical sample point head (1 piece).
	**221-035**	**RED 10 MM CAPILLARY PIPE (100 M)** RAL3000 10 mm capillary pipe (100 m reel).
	**221-036**	**CLEAR 10 MM CAPILLARY PIPE (100 M)** Clear 10 mm capillary pipe (100 m reel).
	**222-059**	**DISCREET END CAP FOR CAPILLARY PIPE (10 PCS)** End cap for capillary pipe (10 pieces).

THE **BEAM DETECTORS** RANGE



EN54-12

BEAM DETECTORS

BEAM DETECTORS

RANGE

LASER POINTER









BEAM DETECTORS
PROTECTING LARGE SPACES

Wherever the size of the areas that need protecting makes the installation of point technology difficult, beam detectors are the most suitable and effective solution. The various technologies used (reflection or transceiver) provide a solution that is suited to all application types, with a significantly lower installation cost. They can be made to communicate with conventional or addressable systems; calibration and alignment are quick and easy to perform. Ranges vary from a minimum of 5 m up to 200 m.

DEVICES



48BFC000

BEAM SMOKE DETECTOR 3-30 M
48BFC000 is a beam reflection smoke detector with reflector, featuring technology to offer a coverage area ranging in distance from 3 to 30 m and up to 15 m in breadth. Equipped with a built-in laser pointer and a set of passive reflectors, they are ideal for installation in areas where the use of normal point detectors would be impossible or particularly difficult. The built-in laser pointer allows simple self-calibration of the device without the need for special calibration tools or equipment. They also have two switching relay contacts for alarm and fault indication.
Approved to EN54-12.

EN54-12 · RANGE 3-30 m · BEAM DETECTORS · LASER POINTER



48BFA003

FLUSH MOUNTING BOX FOR BEAM 48BFC000
Accessory used for flush mounting of beam detector 48BFC000, thereby minimising the space required for installation.



48BFC002

BEAM SMOKE DETECTOR 5-50 M
48BFC002 is a beam reflection smoke detector, ideal for protecting the large areas found in industrial or commercial sites, or even long corridors, large halls or rooms with similar characteristics. The technology used offers a coverage area of between 5 and 50 metres. It is especially suitable for protecting very tall buildings as an alternative to point detectors, for aesthetic reasons or to limit the number of detectors in the room. Signals variations in status via relays and requires external power supply.
Approved to EN54-12.

EN54-12 · RANGE 5-50 m · BEAM DETECTORS · LASER POINTER · BIM

48BFA004

SPARE REFLECTOR FOR 48BFC002
Spare reflector for beam smoke detector 48BFC002.



48BFC003

BEAM SMOKE DETECTOR 50-100 M
Beam reflection smoke detector, ideal for protecting the large areas found in industrial or commercial sites, or even long corridors, large halls or rooms with similar characteristics. 48BFC003 works with a dedicated reflector, with technology that offers a coverage area ranging in distance from 50 to 100 m. It is especially suitable for protecting very tall buildings as an alternative to point detectors, for aesthetic reasons or to limit the number of detectors in the room. Signals variations in status via relays and requires external power supply.
Approved to EN54-12.

EN54-12 · RANGE 50-100 m · BEAM DETECTORS · LASER POINTER



48BFA006

SPARE REFLECTOR FOR 48BFC003
Spare reflector for beam smoke detector 48BFC003.



RK100-B

BEAM SMOKE/HEAT DETECTOR 120 M TX+RX
The RK100-B detector is an optical beam smoke detector with barrier (separate TX and RX), with a maximum optical range of 120 m (minimum useful distance 25 m). It has 2 independent smoke detection circuits: Clouding and Turbulence - and is capable of detecting white or black smoke, fumes or mists. A single detector can cover an area up to 1600 square metres (standards EN54-14 and UNI 9795) and is the ideal solution for installations in supermarkets, industrial premises, warehouses, theatres/cinemas, shops, hotels, control rooms and in situations where the optical window through which the infrared beam between Transmitter and Receiver passes is very small (goods storage warehouses with a lot of racking); an opening of around 10 cm is enough to ensure correct beam intensity. Equipped with 2 Alarm relays and 1 fault relay, 0-5 V analogue output for viewing the signal level at a distance and automatic drift compensation circuit. Integrated laser module for quick and precise optical alignment, even at greater distances. Simple installation and easy infrequent maintenance. Power supply 11/30 Vdc. Built-in LED for status indication. IP65 protection rating with polycarbonate housing.
VDS and CPR certified in accordance with standard EN54-12.

EN54-12 · RANGE 25-120 m · BEAM DETECTORS · LASER POINTER



RK100-BS

BEAM SMOKE DETECTOR 120 M TX+RX
The RK100-BS detector is an optical beam smoke detector with barrier (separate TX and RX), with a maximum optical range of 120 m (minimum useful distance 25 m). It is capable of detecting white smoke, black smoke, fumes or mists. A single detector can cover an area up to 1600 square metres (standards EN54-14 and UNI 9795) and is the ideal solution for installations in supermarkets, industrial premises, warehouses, theatres/cinemas, shops, hotels, control rooms and in situations where the optical window through which the infrared beam between Transmitter and Receiver passes is very small (goods storage warehouses with a lot of racking); an opening of around 10 cm is enough to ensure correct beam intensity. Equipped with 1 Alarm relay and 1 fault relay, 0-5 V analogue output for viewing the signal level at a distance and automatic drift compensation circuit. Integrated laser module for quick and precise optical alignment, even at greater distances. Simple installation and easy infrequent maintenance. Power supply 11/30 Vdc. Built-in LED for status indication. IP65 protection rating with polycarbonate housing.
VDS and CPR certified in accordance with standard EN54-12.

EN54-12 · RANGE 25-120 m · BEAM DETECTORS · LASER POINTER



RK200-B

BEAM SMOKE/HEAT DETECTOR 200 M TX+RX
The RK200-B detector is an optical beam smoke detector with barrier (separate TX and RX), with a maximum optical range of 200 m (minimum useful distance 40 m). It has 2 independent smoke detection circuits: Clouding and Turbulence - and is capable of detecting white or black smoke, fumes or mists. A single detector can cover an area up to 1600 square metres (standards EN54-14 and UNI 9795) and is the ideal solution for installations in supermarkets, industrial premises, warehouses, theatres/cinemas, shops, hotels, control rooms and in situations where the optical window through which the infrared beam between Transmitter and Receiver passes is very small (goods storage warehouses with a lot of racking); an opening of around 10 cm is enough to ensure correct beam intensity. Equipped with 2 Alarm relays and 1 fault relay, 0-5 V analogue output for viewing the signal level at a distance and automatic drift compensation circuit. Integrated laser module for quick and precise optical alignment, even at greater distances. Simple installation and easy infrequent maintenance. Power supply 11/30 Vdc. Built-in LED for status indication. IP65 protection rating with polycarbonate housing.
VDS and CPR certified in accordance with standard EN54-12.

EN54-12 · RANGE 40-200 m · BEAM DETECTORS · LASER POINTER



RK200-BS

BEAM SMOKE DETECTOR 200 M TX+RX
The RK200-BS detector is an optical beam smoke detector with barrier (separate TX and RX), with a maximum optical range of 200 m (minimum useful distance 40 m). It is capable of detecting white smoke, black smoke, fumes or mists. A single detector can cover an area up to 1600 square metres (standards EN54-14 and UNI 9795) and is the ideal solution for installations in supermarkets, industrial premises, warehouses, theatres/cinemas, shops, hotels, control rooms and in situations where the optical window through which the infrared beam between Transmitter and Receiver passes is very small (goods storage warehouses with a lot of racking); an opening of around 10 cm is enough to ensure correct beam intensity. Equipped with 1 Alarm relay and 1 fault relay, 0-5 V analogue output for viewing the signal level at a distance and automatic drift compensation circuit. Integrated laser module for quick and precise optical alignment, even at greater distances. Simple installation and easy infrequent maintenance. Power supply 11/30 Vdc. Built-in LED for status indication. IP65 protection rating with polycarbonate housing.
VDS and CPR certified in accordance with standard EN54-12.

EN54-12 · RANGE 40-200 m · BEAM DETECTORS · LASER POINTER



RK100-BS-EX

BEAM SMOKE DETECTOR 120 M TX+RX, ATEX
The RK100-BS-EX detector is an optical beam smoke detector with barrier (separate TX and RX). It is designed to detect fires in hazardous environments, where regulations require explosion proof execution of the system. It is used in areas at risk of explosion or fire, in compliance with installation standards CEI 31-33 CEI31-35. More specifically, in hazardous areas classified as zones 1-2-21-22. The RK100-BS-EX detector has a maximum optical range of 120 m (minimum useful distance 25 m) and built-in laser pointer for correct and rapid pointing between transmitter and receiver. Operation is based on the interaction between the smoke in the room, generated by the start of a fire and an infrared beam emitted by the transmitter to the receiver. This detector is also capable of detecting smoke, vapours and mists. *ATEX CESI 036 approved. VDS and CPR certified in accordance with standard EN54-12.*

EN54-12 · RANGE 25-120 m · BEAM DETECTORS · EX

THE **GAS DETECTION** RANGE



GAS

SENSORS









GAS DETECTION

WHEN YOU CAN'T SEE THE DANGER

Gas detection is utilised in areas where precise and punctual readings of the percentage of a specific gas in the room are required. Possible solutions include detection in garages, boiler rooms, laboratories, depots and storage sites, with many types (electrochemical-catalytic) linked to the environment in which they are installed.

GAS DETECTION CONTROL PANELS

47CPG424 *WALL-MOUNTED CONTROL PANEL 4 - 24 SENSORS*



The wall-mounted gas control panel art. 47CPG424 can manage up to 4, 8, 16 or 24 remote gas detectors. The backlit colour graphic display (RGB) on the front of the control panel can be used to view the values of all gas detectors connected to it in real time. Equipped with 4 inputs and 5 relay outputs, which can be expanded up to 24 detectors and 25 relays using the relevant expansion boards. Power supply voltage 230 Vac.

4-20 mA SENSORS · 4-IN MODULES · 5-OUT MODULES

47CPG408 *WALL-MOUNTED GAS PANEL FOR 4 - 8 SENSORS*



The wall-mounted gas control panel art. 47CPG408 can manage up to 4 or 8 remote gas detectors. The backlit graphic display on the front of the control panel can be used to view the values of all gas detectors connected to it in real time. Equipped with 4 inputs and 5 relay outputs, which can be expanded up to 8 detectors and 9 relays using the relevant expansion boards. Power supply voltage 230 Vac.

4-20 mA SENSORS · 4-IN MODULES · 5-OUT MODULES

ACCESSORIES



47ESP040
4 INPUT EXPANSION FOR GAS CONTROL PANEL 47CPG424
Additional expansion board with 4 inputs for 4–20 mA sensors, can be connected to control panels art. 47CPG408 (max. 1 expansion) control panel art. 47CPG424 (max. 1 expansion).
4-20 mA SENSORS · 4-IN MODULES



47REL040
4 RELAY EXPANSION FOR GAS CONTROL PANELS
Additional expansion board with 4 relay outputs, can be connected to control panels art. 47CPG408 (max. 1 expansion) and control panel art. 47CPG424 (max. 1 expansion).
4-OUT MODULES



47ESP080
8 INPUT EXPANSION FOR GAS CONTROL PANEL 47CPG424
Remote unit with 8 inputs for 4–20 mA sensors, an only be connected to control panel art. 47CPG424 via RS485 ports (max. 2 units). Power supply 230 Vac.
4-20 mA SENSORS · 8-IN MODULES



47SER080
BOARD WITH 4 RELAY OUTPUTS FOR 47ESP080 (MAX 2)
Additional expansion board with 4 relay outputs, can be connected to remote unit 47ESP080 (max. 2 expansions per unit).
4-OUT MODULES

GAS CONTROL PANELS AND DETECTORS



47CDG206
GAS PANEL ON DIN RAIL 2 - 6 SENSORS
The control panel art. 47CDG206 on DIN rail is used in centralised alarm systems for car parks, industry and areas to be protected that are at risk of potential leaks of flammable or toxic gases and oxygen. 2 remote 4–20 mA sensors and up to 6 sensors can be connected to the control panel using 2 expansions art. 47EDG020. Dimensions: 4 DIN modules. Power supply voltage 12–24 VDC.
4-20 mA SENSORS · 2-IN MODULES



47EDG020
2 SENSOR EXPANSION FOR 47CDG206
Expansion module for two sensors. 2 modules art. 47EDG020 can be added to panel art. 47CDG206, for the connection of up to 6 sensors. Connection to the panel: 4 wires. Dimensions: 2 DIN modules.
4-20 mA SENSORS · 2-IN MODULES



47ADG206
DIN RAIL POWER SUPPLY UNIT FOR CONTROL PANEL 47CDG206
Power supply unit 230 VAC/24 VDC. Capable of powering panel art. 47CDG206, as well as additional modules art. 47EDG020 and the corresponding sensors connected to them. Dimensions: 3 DIN modules.



47BDL012
LITHIUM BATTERY ON DIN RAIL
Lithium battery for panel art. 47CDG206 which provides 30/40 minutes of independent run time with a full system setup. Can be installed on DIN rail, with obvious advantages in terms of space and cost. Dimensions: 3 DIN modules. Output voltage: 10.8 VDC. Capacity of 1.7 Ah.



47ADB012
POWER SUPPLY UNIT FOR 12 V LITHIUM BATTERY
230 VAC power supply unit with 12 VDC output. Can be used to recharge lithium batteries art. 47BDL012. Dimensions: 3 DIN modules.



47CMZ001
WALL-MOUNTED SINGLE-ZONE GAS PANEL
Art. 47CMZ001 is a wall-mounted control panel suitable for heating plants, for the connection of a remote catalytic detector for flammable gases, for methane gas art. 47SE192KM and for LPG gas art. 47SE192KG. The control panel is mains powered (230 VAC), at 12–24 VAC or at 12–24 VDC. IP65 protection rating.
4-20 mA SENSORS · 1-IN MODULES · 1 RELAYS · IP 65 PROTECTION RATING



47CPZ003
WALL-MOUNTED GAS PANEL, 3 SENSORS
Art. 47CPZ003 is a wall-mounted control panel suitable for heating plants, for the connection of up to 3 remote catalytic detector for flammable gases, for methane gas art. 47SE192KM and for LPG gas art. 47SE192KG. The control panel is mains powered (230 VAC), or at 24 VDC. IP65 protection rating.
4-20 mA SENSORS · 3-IN MODULES · 1 RELAYS · IP 65 PROTECTION RATING



47SE192KM

METHANE GAS DETECTOR FOR THERMAL PANELS
Catalytic sensor for methane gas. Exclusively for connection to panels art. 47CMZ001/47CPZ003. Completely unaffected by temperature and humidity, with professional-level sensitive element. Ideal for installation in thermal or small/medium operation panels, for detecting potential gas leaks. Powered directly by panel art. 47CMZ001/47CPZ003. Power supply 12 VDC, consumption 1 W, output 4–20 mA. Range of measurement 0–20% L.E.L., protection rating IP44. Approximate duration 5 years.

GAS · 4-20 mA SENSORS · IP 44 PROTECTION RATING



47SE192KG

LPG GAS DETECTOR FOR THERMAL PANELS
Catalytic sensor for LPG. Exclusively for connection to panels art. 47CMZ001/47CPZ003. Completely unaffected by temperature and humidity, with professional-level sensitive element. Ideal for installation in thermal or small/medium operation panels, for detecting potential gas leaks. Powered directly by panel art. 47CMZ001/47CPZ003. Power supply 12 VDC, consumption 1 W, output 4–20 mA. Range of measurement 0–20% L.E.L., protection rating IP44. Approximate duration 5 years.

GAS · 4-20 mA SENSORS · IP 44 PROTECTION RATING



47TS255CB

DUAL INDUSTRIAL GAS DETECTOR 4-20 MA
Detector art. 47TS255CB is a 4–20 mA dual transmitter for Carbon monoxide (CO) and Gasoline vapour, with two sensors and replaceable cartridges. The detector is perfect for installation in areas such as underground car parks, or wherever the detection of various gases is required. It occupies 2 physical inputs on the control panel.

GAS · 4-20 mA SENSORS · 2-IN MODULES · IP 65 PROTECTION RATING



47RTS282KM
47TS282KM

AUTONOMOUS INDUSTRIAL GAS DETECTOR, METHANE
Autonomous detector with catalytic sensor for detecting Methane (CH4), equipped with 3 alarm relays and one fault relay. 4–20 mA output signal and replaceable sensor cartridge. Power supply 12-24 VDC. IP65 protection rating.

47TS282KM: option without built-in relay

GAS · 4-20 mA SENSORS · 3+1 RELAYS · IP 65 PROTECTION RATING



47RTS282KG
47TS282KG

AUTONOMOUS INDUSTRIAL GAS DETECTOR, LPG
Autonomous detector with catalytic sensor for detecting LPG (liquefied petroleum gas), equipped with 3 alarm relays and one fault relay. 4–20 mA output signal and replaceable sensor cartridge. Power supply 12-24 VDC. IP65 protection rating.

47TS282KG: option without built-in relay

GAS · 4-20 mA SENSORS · 3+1 RELAYS · IP 65 PROTECTION RATING



47RTS282KI
47TS282KI

AUTONOMOUS INDUSTRIAL GAS DETECTOR, HYDROGEN
Autonomous detector with catalytic sensor for detecting Hydrogen (H2), equipped with 3 alarm relays and one fault relay. 4–20 mA output signal and replaceable sensor cartridge. Power supply 12-24 VDC. IP65 protection rating.

47TS282KI: option without built-in relay

GAS · 4-20 mA SENSORS · 3+1 RELAYS · IP 65 PROTECTION RATING



47RTS282KB
47TS282KB

AUTONOMOUS INDUSTRIAL GAS DETECTOR, GASOLINE
Autonomous detector with catalytic sensor for detecting Gasoline vapour (unleaded petrol), equipped with 3 alarm relays and one fault relay. 4–20 mA output signal and replaceable sensor cartridge. Power supply 12-24 VDC. IP65 protection rating.

47TS282KB: option without built-in relay

GAS · 4-20 mA SENSORS · 3+1 RELAYS · IP 65 PROTECTION RATING



47RTS282EO
47TS282EO

AUTONOMOUS INDUSTRIAL GAS DETECTOR, OXYGEN
Autonomous detector with electrochemical sensor for detecting a lack or an excess of Oxygen (O2) or inert gas, equipped with 3 alarm relays and one fault relay. 4–20 mA output signal and replaceable sensor cartridge. Power supply 12-24 VDC. IP65 protection rating.

47TS282EO: option without built-in relay

GAS · 4-20 mA SENSORS · 3+1 RELAYS · IP 65 PROTECTION RATING



47RTS282EC-S
47TS282EC-S

AUTONOMOUS INDUSTRIAL GAS DETECTOR, CO
Autonomous detector with electrochemical sensor for detecting Carbon Monoxide (CO), equipped with 3 alarm relays and one fault relay. 4–20 mA output signal and replaceable sensor cartridge. Power supply 12-24 VDC. IP65 protection rating.

47TS282EC-S: option without built-in relay

GAS · 4-20 mA SENSORS · 3+1 RELAYS · IP 65 PROTECTION RATING

ACCESSORIES



47ZSK01/IP

AUTONOMOUS INDUSTRIAL GAS CARTRIDGE, METHANE+LPG
Replacement cartridge for methane or LPG detector.



47ZSK02/IP

AUTONOMOUS INDUSTRIAL GAS CARTRIDGE, HYDROGEN
Replacement cartridge for Hydrogen detector.



47ZSKB/IP

AUTONOMOUS INDUSTRIAL GAS CARTRIDGE, GASOLINE VAPOUR
Replacement cartridge for Gasoline vapour detector.



47ZSEC/IP

AUTONOMOUS INDUSTRIAL GAS CARTRIDGE, CO
Replacement cartridge for Carbon Monoxide detector.



47ZSEO/IP

AUTONOMOUS INDUSTRIAL GAS CARTRIDGE, OXYGEN
Replacement cartridge for Oxygen detector.



47ZSEC1

DETECTOR CARTRIDGE 47TS255CB, CO
Replacement cartridge for Carbon Monoxide detector art. 47TS255CB.



47ZSK04

DETECTOR CARTRIDGE 47TS255CB, GASOLINE VAPOUR
Replacement cartridge for Gasoline vapour detector art. 47TS255CB.



47RFM000

METHANE GAS DETECTOR FOR DOMESTIC USE
This domestic detector for Methane gas leaks uses a visual signal (3 LEDs) and an audible signal (internal buzzer) to indicate the presence of gas within a space. It is designed to work as a gas detector with voltage-free relay output. Contacts capacity 8 A-250 VAC/30 VDC. The detector is calibrated to detect a gas concentration of 10% of the L.E.L. (Lower Explosive Limit); this threshold may vary depending on environmental conditions but will not exceed 15% of the L.E.L. during the first 4 years.

GAS · 3+1 RELAYS



47RFG000

LPG GAS DETECTOR FOR DOMESTIC USE
This domestic detector for LPG gas leaks uses a visual signal (3 LEDs) and an audible signal (internal buzzer) to indicate the presence of gas within a space. It is designed to work as a gas detector with voltage-free relay output. Contacts capacity 8 A-250 VAC/30 VDC. The detector is calibrated to detect a gas concentration of 10% of the L.E.L. (Lower Explosive Limit); this threshold may vary depending on environmental conditions but will not exceed 15% of the L.E.L. during the first 4 years.

GAS · 3+1 RELAYS

THE **ATEX** RANGE



EX









ATEX

HIGH RISK OF EXPLOSION

The ATEX acronym identifies an environment with a high explosion risk. The devices used in these environments must have ultra-low operating voltage and avoid creating potential sparks which could start a fire or cause an explosion.

DEVICES



48BAZ000

SAFETY BARRIER FOR ATEX DETECTORS
Zener barrier certified as an electrical system with built-in safety. Designed specifically for use with our 48RCX000 and 48RFX000 detectors and manual recall button 48PAX000. Voltage: 24 Vdc. Dimensions: 104 x 70 x 12.2 mm.
Approved in compliance with standards CE 0081 II (1/2) G [Eex ia/ib] IIC/IIB/ PTB 01 ATEX 2088.

EX



48BAZ001

SAFETY BARRIER FOR ATEX SIRENS
Zener barrier certified as an electrical system with built-in safety. Designed specifically for use with our sounder 48SAX000. Voltage: 15-28 Vdc. Dimensions: 70 x 80 x 10 mm.
Approved in compliance with standards CE 0359 II (1) GD [Eex ia] IIC/BAS 01 ATEX 7005.

EX



48RCX000

ATEX HEAT-RATE OF RISE DETECTOR
Temperature detector 59 °C and rate of rise 9 °C/min with static safety of 59 °C for zones with an atmosphere with a very high risk of explosion. Pairs with barrier 48BAZ000. Voltage: 12-30 Vdc. Current consumption in standby: 120 µA.
Approved as conforming to standards CE 0081 II 1 G Eex ia IIC T6/LCIE 03 ATEX 6350 X and approved to standard EN54-5

EN54-5 EX



48RFX000

ATEX WIRELESS OPTICAL SMOKE DETECTOR
Optical smoke detector with built-in safety and Tyndall effect operating principle. Designed for installation in premises with an explosive atmosphere (Zone 0, Zone 1, Zone 2). Pairs with barrier 48BAZ000.
Approved as conforming to standards CE 0081 II 1 G Eex ia IIC T6/LCIE 03 ATEX 6350 X and approved to standard EN54-7.

EN54-7 EX



48RBX000

MOUNTING BASE FOR ATEX DETECTORS
Mounting base for Atex detectors 48RCX000 and 48RFX000.

EX



48PAX000

ATEX MANUAL CALL POINT
Manual call point for atmospheres with a high risk of explosion. Pairs with barrier 48BAZ000. Activated mechanically, by pressing the front window. Includes an operating element that can be reset with the aid of special key. Operating voltage: from 13 to 28 V d.c. Current consumption: 150 µA.
Approved to EN60079-0 (09), EN 60079-11 (07) and conforms to ATEX directives 94/9/EC.

EX



43CPM000

METAL SIGN FOR ALARM BUTTON, 5 PCS
Metal sign for indicating fire alarm buttons, as required by reference standard UNI 9795. It has 4 holes in the corners for rapid wall installation. Dimensions 120x120 mm. Aluminium construction. Pack of 5 units.



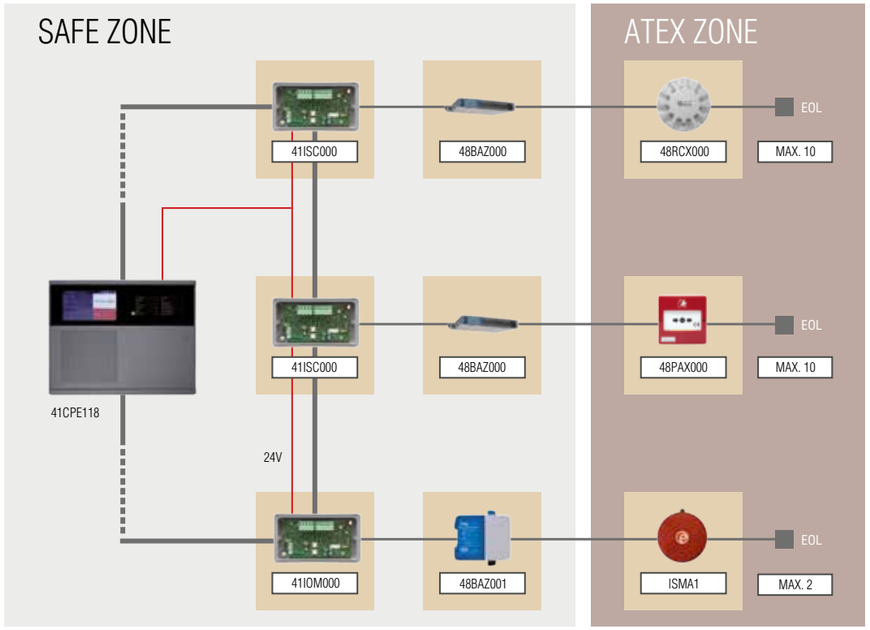
ISMA1

ATEX SIREN, EN54-3, IP65
ATEX fire alarm sounder, designed for installation in environments where the atmosphere has a high explosion risk. For connection to the Zener barrier art. 48BAZ001, up to 2 sounders per line, with tone synchronisation. It has 49 different tones that can be programmed via DIP-switch, and the option of a second and third tone for different alarm stages. Operating voltage 16-28 Vdc. Maximum input current: 25 mA. IP65 protection rating.
Approved and certified to ATEX II 1G Ex ia IIC T4 Ga.
Certification in accordance with standard EN54-3.

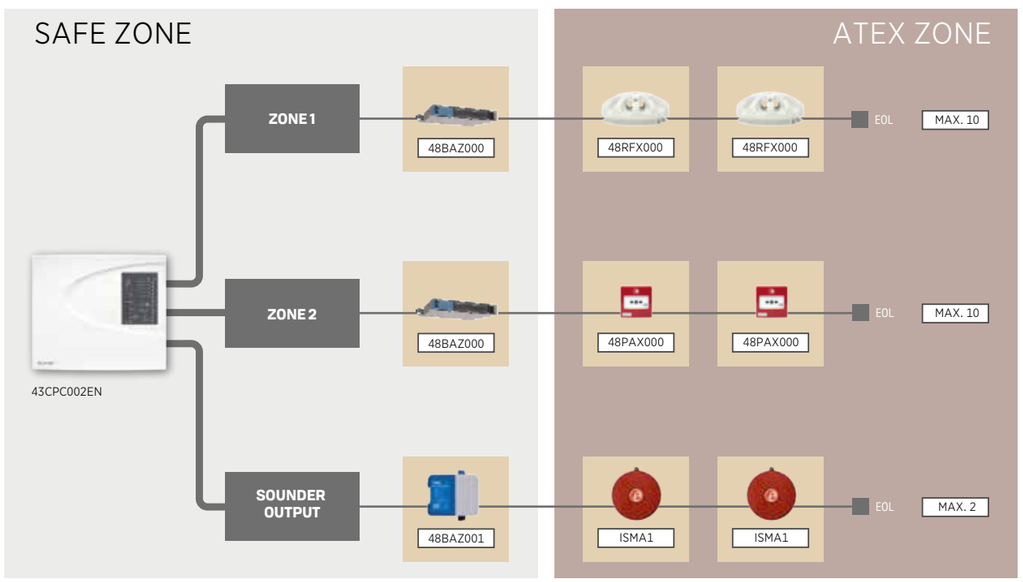
EN54-3

ATEX DIAGRAM

EXAMPLE OF ATEX CONNECTION TO AN ADDRESSABLE CONTROL PANEL



EXAMPLE OF ATEX CONNECTION TO A CONVENTIONAL CONTROL PANEL



COMMON ACCESSORIES RANGE



EN54-4
EN54-21
EN50200

50 Kg

DOOR HOLDER

100 Kg

DOOR HOLDER









COMMON ACCESSORIES

An entire series of required devices supplied to complete the range. It includes additional power supply units, electromagnets, analysis chambers, cables and batteries.

DEVICES



EN54C-2A17

ADDITIONAL POWER SUPPLY UNIT 2A - EN54-4
Power supply unit designed to provide fire protection devices with auxiliary power. Metal casing with keyed lock, in 1 mm thick DC01 sheet steel and with IP30 protection rating. Total available current: 2A. Maximum recommended capacity for battery housing (with connection in series) 2 x 12 V / 18 Ah. Power supply voltage: 230 VAC. Nominal output voltage 22 V - 27.6 VDC (standard operation, no battery). The power supply unit is equipped with 2 outputs with volt-free relays (1A @ 30 VDC or 50 VAC) for the signals required by EN54-4. Equipped with an internal sensor for measuring the temperature of the batteries and a tamper device on the front door. Cable glands supplied. Dimensions (LxHxD): 390 x 406 x 96 mm.
Approved to EN54-4, EN12101-10.

EN54-4 EN12101-10



EN54C-5A17

ADDITIONAL POWER SUPPLY UNIT 5A - EN54-4
Power supply unit designed to provide fire protection devices with auxiliary power. Metal casing with keyed lock, in 1 mm thick DC01 sheet steel and with IP30 protection rating. Total available current: 5A. Maximum recommended capacity for battery housing (with connection in series) 2 x 12 V / 18 Ah. Power supply voltage: 230 VAC. Nominal output voltage 22 V - 27.6 VDC (standard operation, no battery). The power supply unit is equipped with 2 outputs with volt-free relays (1A @ 30 VDC or 50 VAC) for the signals required by EN54-4. Equipped with an internal sensor for measuring the temperature of the batteries and a tamper device on the front door. Cable glands supplied. Dimensions (LxHxD): 390 x 406 x 96 mm.
Approved to EN54-4, EN12101-10.

EN54-4 EN12101-10



CT440EN

TELEPHONE DIALLER GSM 3G IP EN54-21
IP, GSM telephone dialler, 3G/4G. EN54-21 certified. Features a touchscreen for configuring the settings; configuration is simplified via Wizard programming. With 4 monitored inputs, 2 of which are dedicated to fire alarm and fault signals when the dialler is in EN54-21 mode and 4 on-board relays (100 mA@24 VDC), housed in a plastic box for practical fitting. Power supply 9-28 VDC, consumption 151 mA. N.B. The alarm receiving centre / facility must be certified for current standards and equipped with software (ISA-4) that can guarantee the performance required by the standard.

EN54-21



CT400EN

TELEPHONE DIALLER GSM 3G EN54-21
GSM telephone dialler, 3G/4G. EN54-21 certified. Features a touchscreen for configuring the settings; configuration is simplified via Wizard programming. With 4 monitored inputs, 2 of which are dedicated to fire alarm and fault signals when the dialler is in EN54-21 mode and 4 on-board relays (100 mA@24 VDC), housed in a plastic box for practical fitting. Power supply 9-28 VDC, consumption 151 mA. N.B. The alarm receiving centre / facility must be certified for current standards and equipped with software (ISA-4) that can guarantee the performance required by the standard.

EN54-21



48CAC001

TEST CHAMBER FOR DUCTS
Test chamber designed to house an analogue or conventional detector for the testing of ventilation ducts; uses the Pitot tube principle to continuously sample air circulating through the duct and analyse it using the smoke detector housed in the chamber. Positioned inside the duct, the test chamber has an air inlet pipe and an outlet pipe; inside the test chamber the detector analyses the sampled air. To be used in conjunction with a base and an analogue or conventional smoke detector.



48FME051

50 KG MAGNETIC DOOR HOLDER
Electromagnet with 50 kg holding force for fire doors. Can be wall or floor mounted, with optional backplate (art. 48FMA03). Automatic release in the event of fire. Manual release button included. Connection terminals, equipped with diode for protection against inverse polarity and current limiting resistor. Quick-fix keeper plate. Nickel-plated steel body for maximum corrosion resistance. Fibreglass-reinforced thermoplastic base. Power supply 24 VDC. Consumption 50 mA. Low consumption mode.
Approved to EN1155.

EN1155 DOOR HOLDER



48FME052

MAGNETIC DOOR HOLDER 50 KG WITH 15 CM BACKPLATE
Electromagnet with 50 kg holding force for fire doors. For wall-mounted or floor installation. Automatic release in the event of fire. Manual release button included. Connection terminals, equipped with diode for protection against inverse polarity and current limiting resistor. Quick-fix keeper plate. Nickel-plated steel body for maximum corrosion resistance. Fibreglass-reinforced thermoplastic base. Power supply 24 VDC. Consumption 50 mA. Low consumption mode. 15 cm wall or floor backplate.
Approved to EN1155.

EN1155 DOOR HOLDER



48FME053

MAGNETIC DOOR HOLDER 50 KG WITH 30 CM BACKPLATE
Electromagnet with 50 kg holding force for fire doors. For wall-mounted or floor installation. Automatic release in the event of fire. Manual release button included. Connection terminals, equipped with diode for protection against inverse polarity and current limiting resistor. Quick-fix keeper plate. Nickel-plated steel body for maximum corrosion resistance. Fibreglass-reinforced thermoplastic base. Power supply 24 VDC. Consumption 50 mA. Low consumption mode. 30 cm wall or floor backplate.
Approved to EN1155.

EN1155 DOOR HOLDER



48FME101

100 KG MAGNETIC DOOR HOLDER
Electromagnet with 100 kg holding force for fire doors. Can be wall or floor mounted, with optional backplate (art. 48FMA03). Automatic release in the event of fire. Manual release button included. Connection terminals, equipped with diode for protection against inverse polarity and current limiting resistor. Quick-fix keeper plate. Nickel-plated steel body for maximum corrosion resistance. Fibreglass-reinforced thermoplastic base. Power supply 24 VDC. Consumption 100 mA. Low consumption mode.
Approved to EN1155.

EN1155 DOOR HOLDER



48FME102

MAGNETIC DOOR HOLDER 100 KG WITH 15 CM BACKPLATE
Electromagnet with 100 kg holding force for fire doors. For wall-mounted or floor installation. Automatic release in the event of fire. Manual release button included. Connection terminals, equipped with diode for protection against inverse polarity and current limiting resistor. Quick-fix keeper plate. Nickel-plated steel body for maximum corrosion resistance. Fibreglass-reinforced thermoplastic base. Power supply 24 VDC. Consumption 100 mA. Low consumption mode. 15 cm wall or floor backplate.
Approved to EN1155.

EN1155 DOOR HOLDER



48FME103

MAGNETIC DOOR HOLDER 100 KG WITH 30 CM BACKPLATE
Electromagnet with 100 kg holding force for fire doors. For wall-mounted or floor installation. Automatic release in the event of fire. Manual release button included. Connection terminals, equipped with diode for protection against inverse polarity and current limiting resistor. Quick-fix keeper plate. Nickel-plated steel body for maximum corrosion resistance. Fibreglass-reinforced thermoplastic base. Power supply 24 VDC. Consumption 100 mA. Low cbsorption mode. 30 cm wall or floor backplate.
Approved to EN1155.

EN1155 DOOR HOLDER



48FMA01

ALUMINIUM COVER FOR 48FME051
Aluminium cover for electromagnetic door stop 48FME051.



48FMA02

ALUMINIUM COVER FOR 48FME101
Aluminium cover for electromagnetic door stop 48FME101.



48FMA03

FLOOR BRACKET FOR 48FME051 AND 48FME101
Aluminium backplate for floor mounting of electromagnetic door holders 48FME051 and 48FME101.

DEVICES



48CTR068

NON-RESETTABLE LINEAR THERMAL CABLE, 68 °C
Non-resettable 68 °C linear thermal cable; at the nominal temperature the insulation melts, causing a short circuit between the 2 wires and triggering an alarm indication. Ideal for installation in hazardous areas or where access is difficult, it can be connected to conventional Comelit fire alarm panels or, if used in conjunction with addressable module 41ISC000, to addressable Comelit panels. Take extra care with packaging and transportation, to prevent the cable from reaching its maximum storage temperature (40 °C).
Certification in accordance with standard EN54-28.

EN54-28



48CTR105

NON-RESETTABLE LINEAR THERMAL CABLE, 105 °C
Non-resettable 105 °C linear thermal cable; at the nominal temperature the insulation melts, causing a short circuit between the 2 wires and triggering an alarm indication. Ideal for installation in hazardous areas or where access is difficult, it can be connected to conventional Comelit fire alarm panels or, if used in conjunction with addressable module 41ISC000, to addressable Comelit panels. Take extra care with packaging and transportation, to prevent the cable from reaching its maximum storage temperature (40 °C).
Certification in accordance with standard EN54-28.

EN54-28



48CVI2-115

FIRE CABLE EN50575 PH120 2X1.5, 100 M REEL
Red cable for use when creating fire alarm systems, with fire resistance rating PH120, 100 m reel, wire cross-section 2 x 1.5 mm².
Certification in accordance with standard EN50575:2016.

CEI 20-105 · PH 120 · EN50200 EN50575:2016



48CVI2-125

FIRE CABLE EN50575 PH120 2X2.5, 100 M REEL
Red cable for use when creating fire alarm systems, with fire resistance rating PH120, 100 m reel, wire cross-section 2 x 2.5 mm².
Certification in accordance with standard EN50575:2016.

CEI 20-105 · PH 120 · EN50200 EN50575:2016



48CVI2-215

FIRE CABLE EN50575 PH120 2X1.5, 200 M REEL
Red cable for use when creating fire alarm systems, with fire resistance rating PH120, 200 m reel, wire cross-section 2 x 1.5 mm².
Certification in accordance with standard EN50575:2016.

CEI 20-105 · PH 120 · EN50200 EN50575:2016



48CVI2-225

FIRE CABLE EN50575 PH120 2X2.5, 200 M REEL
Red cable for use when creating fire alarm systems, with fire resistance rating PH120, 200 m reel, wire cross-section 2 x 2.5 mm².
Certification in accordance with standard EN50575:2016.

CEI 20-105 · PH 120 · EN50200 EN50575:2016



48CVE2-115

PA/VA CABLE EN50575 PH120 2X2.5, 100 M REEL
Purple cable for use when creating voice evacuation systems, with fire resistance rating PH120, 100 m reel, wire cross-section 2 x 2.5 mm².
Certification in accordance with standard EN50575:2016.

CEI 20-105 · PH 120 · EN50200 EN50575:2016



48CVE2-125

PA/VA CABLE EN50575 PH120 2X2.5, 100 M REEL
Purple cable for use when creating voice evacuation systems, with fire resistance rating PH120, 100 m reel, wire cross-section 2 x 2.5 mm².
Certification in accordance with standard EN50575:2016.

CEI 20-105 · PH 120 · EN50200 EN50575:2016



48SDT001

AEROSOL FOR SMOKE DETECTOR TESTING
Aerosol for smoke detector testing.



30076003

12 VDC/ 7 AH LEAD ACID BATTERY
Lead battery with AGM technology. 12 VDC / 7 Ah. Each individual battery cell is fitted with a one-way safety valve which guarantees the disposal of any gas build-up inside. Dimensions: 151x100x65 mm.



30076004

12 VDC/ 18 AH LEAD ACID BATTERY
Lead battery with AGM technology. 12 VDC / 18 Ah. Each individual battery cell is fitted with a one-way safety valve which guarantees the disposal of any gas build-up inside. Dimensions: 181x168x76 mm.



30076005

12 VDC/ 26 AH LEAD ACID BATTERY
Lead battery with AGM technology. 12 VDC / 26 Ah. Each individual battery cell is fitted with a one-way safety valve which guarantees the disposal of any gas build-up inside. Dimensions: 166x175x125 mm.



30076006

12 VDC/ 40 AH LEAD ACID BATTERY
Lead battery with AGM technology. 12 VDC / 40 Ah. Each individual battery cell is fitted with a one-way safety valve which guarantees the disposal of any gas build-up inside. Dimensions: 197x165x170 mm.



30076012

12 VDC/ 65 AH LEAD ACID BATTERY
Lead battery, 12 VDC / 65 Ah.



30076013

12 VDC/ 100 AH LEAD ACID BATTERY
Lead battery, 12 VDC / 100 Ah.

THE **LOGIVOX** RANGE



EN54-4
EN54-16
EN54-24

6
NETWORK

500
W
PA/VA
SYSTEMS

RS485
PA/VA









PA/VA SYSTEMS
A VOICE TO GUIDE YOU

PA/VA (Emergency Voice and Communication) systems perform a very important role when it comes to safety and the management of evacuation plans. A network of certified speakers alert people to any dangerous conditions present. A clear voice message allows instant interpretation of the emergency situation and the need to reach a safe place via the special escape routes. Integration with fire detection panels also means that all types of evacuation can be managed properly and in a structured manner, preventing crowds from forming and avoiding panic. The emergency stations also allow the safety managers or fire brigade to communicate “live” with all affected zones, providing important and essential information relating to the events that are occurring and the actions to be taken.

PA/VA SYSTEMS

The LOGIVOX PA/VA range of systems adapts perfectly to any installation scenario in which a voice evacuation system is required, EN54-16 and EN54-4 certified. The control panels can operate in stand-alone mode or can be connected to one another via the RS485 network, up to 6 LogiVox panels plus one addressable LogiFire panel for a total power of 3000 W. One advantage of the range is definitely the option of interfacing PA/VA systems with all LOGIFIRE addressable fire detection control panels via the RS485 network, where communication takes place by means of proprietary protocol. This makes it possible to manage all logics directly through the control panel's cause/effect matrix for each zone, with various delays in order to ensure the evacuation procedure takes place correctly and adapting it to suit all requirements.

49CCO100 *COMPACT 1-ZONE PA/VA CONTROL PANEL, 250 W*



LogiVox series compact voice evacuation system model 49CCO100, capable of managing 1 voice alarm zone with a maximum total power of 250 W over a dual A/B line. Option of connecting up to 6 control panels in link mode, or 6 LogiVox panels plus 1 Comelit LogiFire addressable control panel. On the front, the control panel has a 4.3" touchscreen display which recreates the same user interface as used in LogiFire systems, hand-held PTT microphone included for on-site transmission of messages, plus 2 USB ports located inside the recess for music playback. 8 freely configurable supervised input contacts for playback of messages such as evacuation, alert, commercials, alarm terminated messages, etc. 2 AUX inputs for playback of external audio sources and 1 balanced analogue audio with priority contact for PABX or pre-amplified microphone bases. It has 3 freely configurable relay outputs and 1 x 0 dB audio signal for connection to high-fidelity systems. All LogiVox control panels can be used to equalise the signal for each audio source and allow independent volume control for each individual zone. Designed for easy installation, it has a metal (hook-on) backplate for wall application or RACK mounting using optional item 49BRM100. Option of connecting up to 17 microphone stations (emergency and service) split over the 3 different BUS lines available in the control panel. Dimensions (L x H x D): 430x710x280 mm.
Certified according to standards EN54-16 and EN54-4.

EN54-4 EN54-16 | 1 ZONE | 250 W PA/VA SYSTEMS | 8 INGRESSI PA/VA SYSTEMS | 3 USCITE PA/VA SYSTEMS | IP 30 PROTECTION RATING | RS485 PA/VA

49CCO101 *COMPACT 2-ZONE PA/VA PANEL, 250+250 W*



LogiVox series compact voice evacuation system model 49CCO101, capable of managing 2 voice alarm zones with a maximum total power of 500 W (250 W per zone) over a dual A/B line. Option of connecting up to 6 control panels in link mode, or 6 LogiVox panels plus 1 Comelit LogiFire addressable control panel. On the front, the control panel has a 4.3" touchscreen display which recreates the same user interface as used in LogiFire systems, hand-held PTT microphone included for on-site transmission of messages, plus 2 USB ports located inside the recess for music playback. 8 freely configurable supervised input contacts for playback of messages such as evacuation, alert, commercials, alarm terminated messages, etc. 2 AUX inputs for playback of external audio sources and 1 balanced analogue audio with priority contact for PABX or pre-amplified microphone bases. It has 3 freely configurable relay outputs and 1 x 0 dB audio signal for connection to high-fidelity systems. All LogiVox control panels can be used to equalise the signal for each audio source and allow independent volume control for each individual zone. Control panel 49CCO101 features automatic switching in the event of a power amplifier fault, thereby avoiding wasted manual wiring, or the "smart volume" function when, if an amplifier breaks down, the second will step in to cover all zones with a loss of 6 dB. Designed for easy installation, it has a metal (hook-on) backplate for wall application or RACK mounting using optional item 49BRM100. Option of connecting up to 17 microphone stations (emergency and service) split over the 3 different BUS lines available in the control panel. Dimensions (L x H x D): 430x710x280 mm.
Certified according to standards EN54-16 and EN54-4.

EN54-4 EN54-16 | 2 ZONES | 500 W PA/VA SYSTEMS | 8 INGRESSI PA/VA SYSTEMS | 3 USCITE PA/VA SYSTEMS | IP 30 PROTECTION RATING | RS485 PA/VA

49CCO104 *COMPACT 4-ZONE PA/VA CONTROL PANEL, 500 W*



LogiVox series compact voice evacuation system model 49CCO104, capable of managing 4 voice alarm zones with a maximum total power of 500 W over a dual A/B line, which can be distributed freely across the different zones. Option of connecting up to 6 control panels together in link mode, or 6 LogiVox panels plus 1 Comelit LogiFire addressable control panel. On the front, the control panel has a 4.3" touchscreen display which recreates the same user interface as used in LogiFire systems, hand-held PTT microphone included for on-site transmission of messages, plus 2 USB ports located inside the recess for music playback. 8 freely configurable supervised input contacts for playback of messages such as evacuation, alert, commercials, alarm terminated messages, etc. 2 AUX inputs for playback of external audio sources and 1 balanced analogue audio with priority contact for PABX or pre-amplified microphone bases. It has 3 freely configurable relay outputs and 1 x 0 dB audio signal for connection to high-fidelity systems. All LogiVox control panels can be used to equalise the signal for each audio source and allow independent volume control for each individual zone. Control panel 49CCO104 features automatic switching in the event of a power amplifier fault, thereby avoiding wasted manual wiring. Designed for easy installation, it has a metal (hook-on) backplate for wall application or RACK mounting using optional item 49BRM100. Option of connecting up to 17 microphone stations (emergency and service) split over the 3 different BUS lines available in the control panel. Dimensions (L x H x D): 430x710x280 mm.
Certified according to standards EN54-16 and EN54-4.

EN54-4 EN54-16 | 4 ZONES | 500 W PA/VA SYSTEMS | 8 INGRESSI PA/VA SYSTEMS | 3 USCITE PA/VA SYSTEMS | IP 30 PROTECTION RATING | RS485 PA/VA

49CCO106 *COMPACT 6-ZONE PA/VA CONTROL PANEL, 500 W*



LogiVox series compact voice evacuation system model 49CCO106, capable of managing 6 voice alarm zones with a maximum total power of 500 W over a dual A/B line, which can be distributed freely across the different zones. Option of connecting up to 6 control panels together in link mode, or 6 LogiVox panels plus 1 Comelit LogiFire addressable control panel. On the front, the control panel has a 4.3" touchscreen display which recreates the same user interface as used in LogiFire systems, hand-held PTT microphone included for on-site transmission of messages, plus 2 USB ports located inside the recess for music playback. 8 freely configurable supervised input contacts for playback of messages such as evacuation, alert, commercials, alarm terminated messages, etc. 2 AUX inputs for playback of external audio sources and 1 balanced analogue audio with priority contact for PABX or pre-amplified microphone bases. It has 3 freely configurable relay outputs and 1 x 0 dB audio signal for connection to high-fidelity systems. All LogiVox control panels can be used to equalise the signal for each audio source and allow independent volume control for each individual zone. Control panel 49CCO106 features automatic switching in the event of a power amplifier fault, thereby avoiding wasted manual wiring. Designed for easy installation, it has a metal (hook-on) backplate for wall application or RACK mounting using optional item 49BRM100. Option of connecting up to 17 microphone stations (emergency and service) split over the 3 different BUS lines available in the control panel. Dimensions (L x H x D): 430x710x280 mm.
Certified according to standards EN54-16 and EN54-4.

EN54-4 EN54-16 · 6 ZONES · 500 W PA/VA SYSTEMS · 8 INGRESSI PA/VA SYSTEMS · 3 USCITE PA/VA SYSTEMS · IP 30 PROTECTION RATING · RS485 PA/VA

ACCESSORIES



49MVF101

RED SURFACE-MOUNTED CABINET WITH PTT MICROPHONE
Red wall box with transparent front window, equipped with hand-held microphone with PTT key for emergency voice communications. Direct connection to the LogiVox control panel at the BUS EMG (emergency) port. Box 49MVF101 is powered directly from the BUS line for a maximum of 2 units (these can de different, albeit emergency types). "Busy" and "system" LEDs at the front for line status viewing. Addressing takes place by programming the internal DIP-SWITCHES located underneath the station. Input (in/out) with dual RJ45 connector. Mechanical key closure mechanism. Dimensions (L x H x D): 265x300x165 mm.
Certified in accordance with standard EN54-16.

EN54-16



49BME101

EMERGENCY MICROPHONE BASE STATION, 1 KEY
Emergency microphone base station with 1 button for "live" emergency voice messages when the red "TALK" button is pressed. It can work over the entire control panel/system or over specific zones selected through control panel programming on the LogiVox panel display. For connection to the BUS EMG (emergency) on the control panel, base 49BME101 has 2 RJ45 ports on the rear for cascade connection (in/out) to other emergency stations, even if they are different models. Up to 2 stations can be connected to the BUS EMG. Extremely durable base with matt black painted steel bottom panel and anodised aluminium top, equipped with a gooseneck microphone and 2 "BUSY" and "SYSTEM" LEDs positioned at the front for line status viewing purposes; the "Talk" button is protected by a plastic door to prevent unwanted activations, as with all stations used for this purpose. Volume and tone control for each individual base can be programmed via the control panel. Addressing takes place through programming via DIP-SWITCH; access to the switches is protected by a metal door. The base is powered by the system and does not require an external power supply, as specified by the reference standard. RJ45 patch cable, length 3 m, supplied.
Certification in accordance with standard EN54-16.

EN54-16



49BME107

EMERGENCY MICROPHONE BASE STATION, 7 KEYS
Emergency microphone base station with 7 keys (1 to 6 + ALL) plus red "TALK" key for "live" emergency voice communications and the transmission of prerecorded messages (PA/VA, Alert, Service). It can work over the entire control panel/system or over specific zones selected through control panel programming on the LogiVox panel display. For connection to the BUS EMG (emergency) on the control panel, base 49BME107 has 2 RJ45 ports on the rear for cascade connection (in/out) to other emergency stations, even if they are different models. Up to 2 stations can be connected to the BUS EMG. Extremely durable base with matt black painted steel bottom panel and anodised aluminium top, equipped with a gooseneck microphone and 2 "BUSY" and "SYSTEM" LEDs positioned at the front for line status viewing purposes; the "Talk" button is protected by a plastic door to prevent unwanted activations, as with all stations used for this purpose. Volume and tone control for each individual base can be programmed via the control panel. Addressing takes place through programming via DIP-SWITCH; access to the switches is protected by a metal door. The base is powered by the system and does not require an external power supply, as specified by the reference standard. RJ45 patch cable, length 3 m, supplied.
Certification in accordance with standard EN54-16.

EN54-16



49BMC101

SERVICE MICROPHONE BASE STATION, 1 KEY
Service microphone base station with 1 button for "live" service/commercial voice messages when the "TALK" button is pressed. It can work over the entire control panel/system or over specific zones selected through control panel programming on the LogiVox panel display. For connection to the BUS SRV (service) on the control panel, base 49BMC101 has 2 RJ45 ports on the rear for cascade connection (in/out) to other service stations, even if they are different models. Up to 7 stations can be connected to the BUS SRV. Extremely durable base with matt black painted steel bottom panel and anodised aluminium top, equipped with a gooseneck microphone and 2 "BUSY" and "SYSTEM" LEDs positioned at the front for line status viewing purposes. Volume and tone control for each individual base can be programmed via the control panel. Addressing takes place through programming via DIP-SWITCH; access to the switches is protected by a metal door. The base should be powered separately using a power supply unit with 2-pole dial connector art. 49ABM124, supplied with every station. RJ45 patch cable, length 3 m, supplied.



49BMC107

SERVICE MICROPHONE BASE STATION, 7 KEYS
Service microphone base station with 7 keys (1 to 6 + ALL) plus "TALK" key for "live" service/commercial communications or transmission of prerecorded messages. It can work over the entire control panel/system or over specific zones selected through control panel programming on the LogiVox panel display. For connection to the BUS SRV (service) on the control panel, base 49BMC107 has 2 RJ45 ports on the rear for cascade connection (in/out) to other service stations, even if they are different models. Up to 7 stations can be connected to the BUS SRV. Extremely durable base with matt black painted steel bottom panel and anodised aluminium top, equipped with a gooseneck microphone and 2 “BUSY” and “SYSTEM” LEDs positioned at the front for line status viewing purposes. Volume and tone control for each individual base can be programmed via the control panel. Addressing takes place through programming via DIP-SWITCH; access to the switches is protected by a metal door. The base should be powered separately using a power supply unit with non-reversible 2-pole dial connector art. 49ABM124, supplied with every station. RJ45 patch cable, length 3 m, supplied.



49BMD110

DIGITAL SERVICE MICROPHONE BASE STATION
Service microphone base station with digital LCD display, featuring a keypad with numbers "0" to "9", "CLEAR", "MUSIC" and "TALK" keys, plus a further 3 additional keys “MSG-1”, “MSG-2” and “MSG-3” for rapid message transmission. This base can be used for "live" service/commercial communications or the transmission of prerecorded messages. Option of programming key combinations, to make 50 different configurations in total. It can work over the entire control panel/system or over specific zones selected through control panel programming on the LogiVox panel display. For connection to the BUS SRV (service) on the control panel, base 49BMD110 has 2 RJ45 ports on the rear for cascade connection (in/out) to other service stations, even if they are different models. Up to 7 stations can be connected to the BUS SRV. Extremely durable base with matt black painted steel bottom panel and anodised aluminium top, equipped with a gooseneck microphone and 2 “BUSY” and “SYSTEM” LEDs positioned at the front for line status viewing purposes. Volume and tone control for each individual base can be programmed via the control panel. Addressing takes place through programming via DIP-SWITCH; access to the switches is protected by a metal door. The base should be powered separately using a power supply unit with non-reversible 2-pole dial connector art. 49ABM124, supplied with every station. RJ45 patch cable, length 3 m, supplied.



49PMS101

SERVICE MICROPHONE BASE STATION, 1 KEY
Easy-to-use microphone base with 1 key for service/commercial voice communications which take priority over music events. It works over the entire control panel or over specific zones selected through control panel programming on the LogiVox display. Connection to the dedicated bus (BUSP) takes place by means of an RJ25 connector. The base 49PMS101 is powered directly by the control panel, and up to 8 stations of the same type can be installed on the same line. A DIP-SWITCH positioned underneath the base is used to program the key for microphone activation with a button (PTT) or with On/Off operation. A two-tone LED on the front indicates the line status (green - line free; red - line busy). Strong metal material used to construct the compact base. Equipped with a gooseneck microphone with anti-pop headset, output volume controller and microphone sensitivity control located underneath the base. RJ25 cable, length 3 m, supplied; line splitter provided to allow practical and quick cascade wiring (in/out) with other 49PMS101 stations using cables with RJ45 connector.



49SPT503

RJ45 LINE SPLITTER BOX 503 PLANA
Line splitter with 2 RJ45 ports mounted on a 3-unit support for flush-mounted box, PLANA domestic series. For use in the connection (in/out) of LogiVox emergency and service microphone base stations. Can be finished with Comelit 3-unit entrance panels in the ONE series (codes ONE/Px/VP3).



49SPT100

RJ45 T LINE SPLITTER
External "T" line splitter with 2 + 1 RJ45 ports, for use in the connection (in/out) of LogiVox service microphone bases art. 49PMS101. Product supplied with station 49PMS101.



49BRM100

SIDE BACKPLATES FOR RACK MOUNTING
Pair of side backplates for RACK mounting of LogiVox series voice evacuation control panels. The kit includes 8 galvanised 6 x 10 screws for securing the backplates to the panel, and 8 black 5 x 16 screws complete with M5 caged nut for mounting on the rack. Height 16 UM.



49MSC106

CERAMIC TERMINAL FOR PA/VA SPEAKERS - 5 PCS
Ceramic terminal with thermal fuse for connection of speakers which require external wiring. Maximum cable cross-section: 4 mm². Quantity 5 pcs.



49DIR106

FLUSH-MOUNTED RECTANGULAR SPEAKER EN54-24
The flush-mounted speaker Art. 49DIR106 has a black high strength self-extinguishing ABS body and a removable front grille in white steel. IT has a 165 mm full-range loudspeaker and 100 V transformer with three power levels (6 / 3 / 1.5 W). These speakers are designed and constructed for use in emergency and evacuation systems. Equipped with a ceramic terminal block and thermal fuse for protecting the loudspeaker connection line in the event that a potential fire stops one or more of the speakers connected to it from working.
Approved to standard EN54-24.

EN54-24 · SPEAKERS · 6 W PA/VA SYSTEMS · 99 dB SPL SPEAKERS



49DPQ110

SURFACE-MOUNTED ROUND SPEAKER EN54-24
The round speaker Art. 49DPQ110 has a metal body with a white powder coating and a removable front grille in white steel. IT has a 165 mm full-range loudspeaker and 100 V transformer with four power levels (10 / 6 / 3 / 1.5 W). Speaker designed for wall or ceiling installation, capable of guaranteeing excellent strength and durability of the outer frame over time. Equipped with a ceramic terminal block and thermal fuse for protecting the loudspeaker connection line in the event that a potential fire stops one or more of the speakers connected to it from working. Designed and constructed for use in emergency and evacuation systems.
Approved to standard EN54-24.

EN54-24 · SPEAKERS · SOFFITTO SPEAKERS · 10 W PA/VA SYSTEMS · 102 dB SPL SPEAKERS



49PLA106 / 49PLA106-B

CAVITY CEILING LIGHT 6W EN54-24
The cavity ceiling light Art. 49PLA106-B has a metal body with a white powder coating and a removable front grille in white steel. IT has a 130 mm full-range loudspeaker and 100 V transformer with three power levels (6 / 3 / 1.5 W). The ceiling light was designed to be discreet when installed, with minimal visual impact, and is capable of elegantly blending in to any environment. Quick and easy mounting, thanks to its “WAGO” push-fit coupling and the sturdy spring retainers with protective covers; it also has a fire resistant cap with rubber sleeves for routing the protective cables and thermal fuse. Designed and constructed for use in emergency and evacuation systems.
Approved to standard EN54-24.
49PLA106-B: option with the visible part black colored, RAL 9005

EN54-24 · SPEAKERS · 6 W PA/VA SYSTEMS · 97 dB SPL SPEAKERS



49PLA110 / 49PLA110-B

CAVITY CEILING LIGHT 10W EN54-24
The cavity ceiling light Art. 49PLA110-B has a metal body with a white powder coating and a removable front grille in white steel. IT has a 165 mm full-range loudspeaker and 100 V transformer with three power levels (10 / 5 / 2.5 W). The ceiling light was designed to be discreet when installed, with minimal visual impact, and is capable of elegantly blending in to any environment. Quick and easy mounting, thanks to its “WAGO” push-fit coupling and the sturdy spring retainers with protective covers; it also has a fire resistant cap with rubber sleeves for routing the protective cables and thermal fuse. Designed and constructed for use in emergency and evacuation systems.
Approved to standard EN54-24.
49PLA110-B: option with the visible part black colored, RAL 9005

EN54-24 · SPEAKERS · 10 W PA/VA SYSTEMS · 97 dB SPL SPEAKERS



49PRB105

5+5W BI-DIRECTIONAL SOUND PROJECTOR, EN54-24
Bi-directional projector Art. 49PRB105 (5 + 5 W) features a water-resistant cylindrical frame (rating IP56) in white ABS with adjustable aluminium mounting backplate and cable L = 1 m. IT has two 130 mm full-range loudspeakers and a 100 V line transformer with three power levels (10 / 5 / 2.5 W). Designed to achieve sound emission with a pronounced direction, it is particularly suitable for installation in passageways, corridors and very large areas. Includes a thermal protection fuse and ceramic terminal block, all housed in a junction box to make installation quicker and easier. Designed and constructed for use in emergency and evacuation systems. *Approved to standard EN54-24.*

EN54-24 · SPEAKERS · SOFFITTO SPEAKERS · 5+5 W PA/VA SYSTEMS · 90 dB SPL SPEAKERS



49PRM120

20W MONO-DIRECTIONAL SOUND PROJECTOR, EN54-24
Mono-directional projector Art. 49PRM120 features a water-resistant cylindrical frame (rating IP66) in white ABS with adjustable aluminium mounting backplate and cable L = 1 m. It has a 130 mm full-range loudspeaker and 100 V line transformer with four power levels (20 / 10 / 5 / 2.5 W). Designed to achieve sound emission with a pronounced direction, it is particularly suitable for installation in passageways, corridors and very large areas. Includes a thermal protection fuse and ceramic terminal block, all housed in a junction box to make installation quicker and easier. Designed and constructed for use in emergency and evacuation systems.
Approved to standard EN54-24.



49TRM115

HORN SPEAKER, 15W EN54-24 IP66
Horn speaker Art. 49TRM115 features a waterproof body (rating IP66), ABS frame (UL94V0) which ensures impact resistance and durability and an adjustable stainless steel backplate. It has a 100 V line transformer with four power levels (15 / 7.5 / 3.75 / 1.9 W) and the option of low impedance operation at 20 Ohm. Designed to provide high sound pressure, they are ideal for industrial applications and, thanks to the materials used, can be installed outdoors or in particularly damp environments (e.g. swimming pools). Includes a thermal protection fuse and ceramic terminal block. Designed and constructed for use in emergency and evacuation systems.
Approved to standard EN54-24.



49TRM130

HORN SPEAKER, 30W EN54-24 IP66
Horn speaker Art. 49TRM130 features a waterproof body (rating IP66), ABS frame (UL94V0) which ensures impact resistance and durability and an adjustable stainless steel backplate. It has a 100 V line transformer with four power levels (30 / 20 / 10 / 5 W) and the option of low impedance operation at 20 Ohm. Designed to provide high sound pressure, they are ideal for industrial applications and, thanks to the materials used, can be installed outdoors or in particularly damp environments (e.g. swimming pools). Includes a thermal protection fuse and ceramic terminal block. Designed and constructed for use in emergency and evacuation systems.
Approved to standard EN54-24.

REFUGE AREAS

SAFE PLACES FOR PEOPLE

The first definition of a refuge area is a temporary safe space where the occupants can wait and receive assistance to complete their evacuation to a safe place.
To meet the definition of a temporary safe space, it must have the features of a chamber or an uncovered space from which it is possible to reach the safe place without having to re-enter the area involved in the fire. At the same time, it should be adjacent to and connected with an escape route, or built into it, without causing an obstruction. Consequently the most widespread solution which involves creating it either on a landing or stairwell by making it larger or creating an opening/alcove in the wall which is to be used for this purpose.

1. TO ALLOW THE OCCUPANT TO WAIT AND RECEIVE ASSISTANCE, THE REFUGE AREA MUST:

• be adjacent to and connected with an escape route, or built into it, without causing an obstruction;
• be large enough to accommodate all occupants of the floor who may need to use it, in line with the minimum space per occupant as shown in the table below.

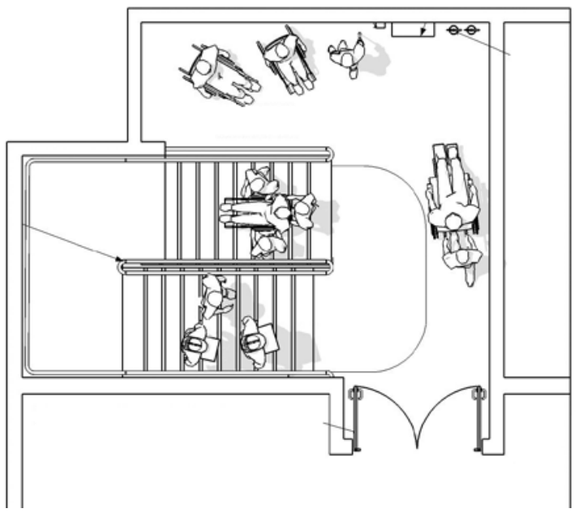
Type	Minimum space per occupant
Able-bodied occupant	0.70 m²/person
Wheelchair user	1.77 m²/person
Bedridden occupant	2.25 m²/person

The manoeuvring space required for using any necessary movement aids (e.g. bed, wheelchair, ...) must be added to the minimum surface area required for the occupants.

2. EVERY REFUGE AREA MUST HAVE:

• a bi-directional communication system to allow the users to indicate their presence and request assistance from the rescue workers;
• any equipment required for assistance (e.g. evacuation seat or stretcher, ...);
• instructions regarding required conduct while waiting for the rescue workers to arrive.

3. THE REFUGE AREA MUST BE IDENTIFIED WITH THE REQUIRED SIGN AS PER UNI EN ISO 7010-E024.



REFUGE AREA EXAMPLE: IN ACCORDANCE WITH ISO 21542

EMERGENCY

The refuge area is, by definition, a temporary safe space where occupants can wait and communicate with personnel or the employee in charge of managing emergency situations. It is essential to reassure people in these spaces by providing them with clear instructions that are easy to understand. The Emergency button communicates with a manned station which can manage or divert calls directly to SIP telephone switchboards or, via the App, to smartphones and tablets, so as to receive guidance as to how best to manage the situation and then complete evacuation to a safe place.

3460HEV *VIDEO PANEL FOR EMERGENCY CALLS. VIP H264 SYSTEM*



Stainless steel panel with a single call button and indicator LEDs for call forwarded and call answered. Complete with POE audio/video module for ViP system and flush-mounted box. “EMERGENCY” model with Braille text. Can be wall-mounted using accessory art. 3461. The panel is POE. Compatible with H.264 video format. Dimensions 228.6x177.8x3 mm.

3460HHV *VIDEO HELP POINT PANEL. VIP H264 SYSTEM*



Stainless steel panel with a single call button and indicator LEDs for call forwarded and call answered. Complete with POE audio/video module for ViP system and flush-mounted box. "HELP POINT" model. Can be wall-mounted using accessory Art. 3461. The panel is POE. Compatible with H.264 video format. Dimensions 228.6x177.8x3 mm.

3460EA *AUDIO PANEL FOR EMERGENCY CALLS. VIP SYSTEM*



Stainless steel panel with a single call button and indicator LEDs for call forwarded and call answered. Complete with audio module art. 1682 for ViP system and flush-mounted box. “EMERGENCY” model with Braille text. Can also be surface mounted with accessory art. 3461, available to purchase separately.

3460HA *AUDIO HELP POINT BUTTON PANEL. VIP SYSTEM*

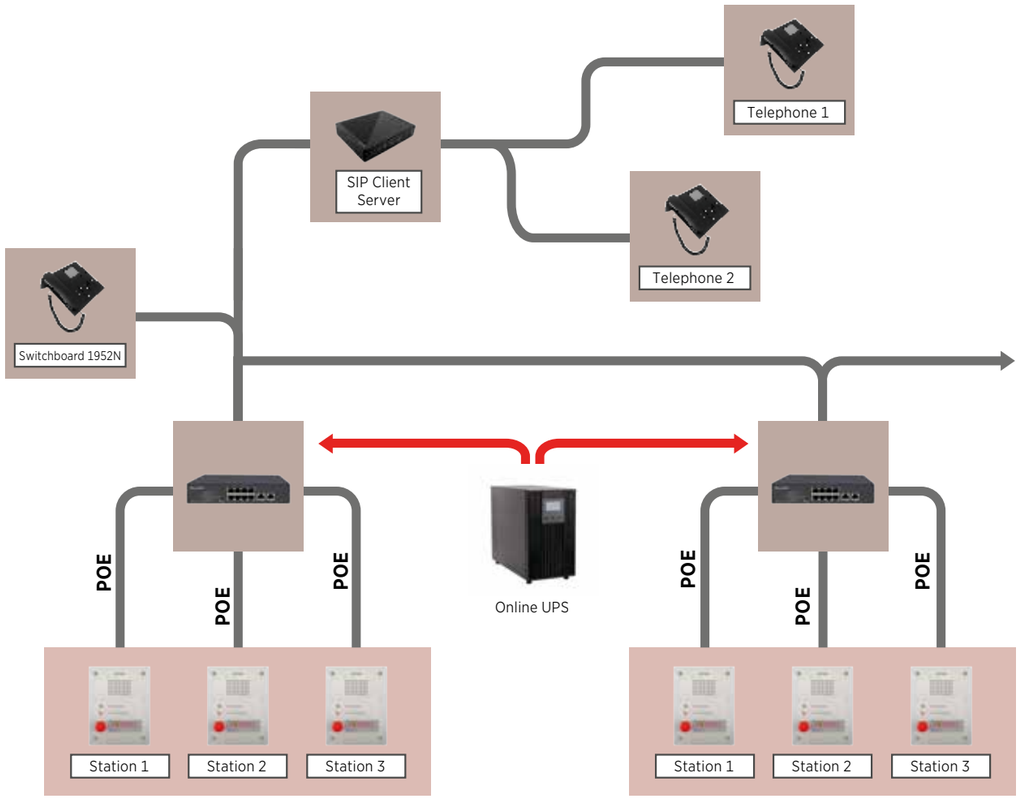


Stainless steel panel with a single call button and indicator LEDs for call forwarded and call answered. Complete with POE audio module for ViP system and flush-mounted box. "HELP POINT" model. Can be wall-mounted using accessory art. 3461. Panel dimensions: (L x H x D): 180 x 229 x 3 mm.

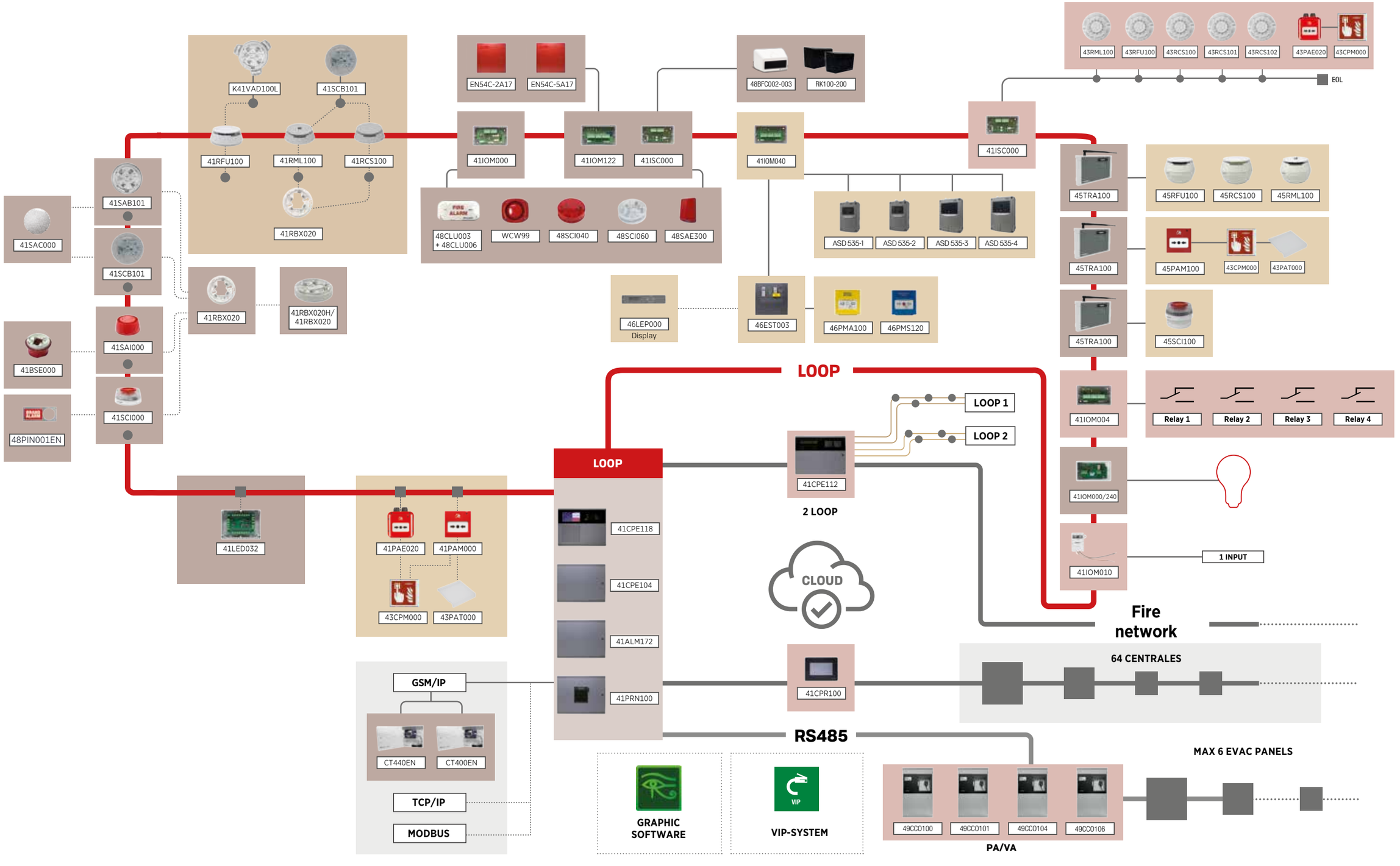
ACCESSORIES



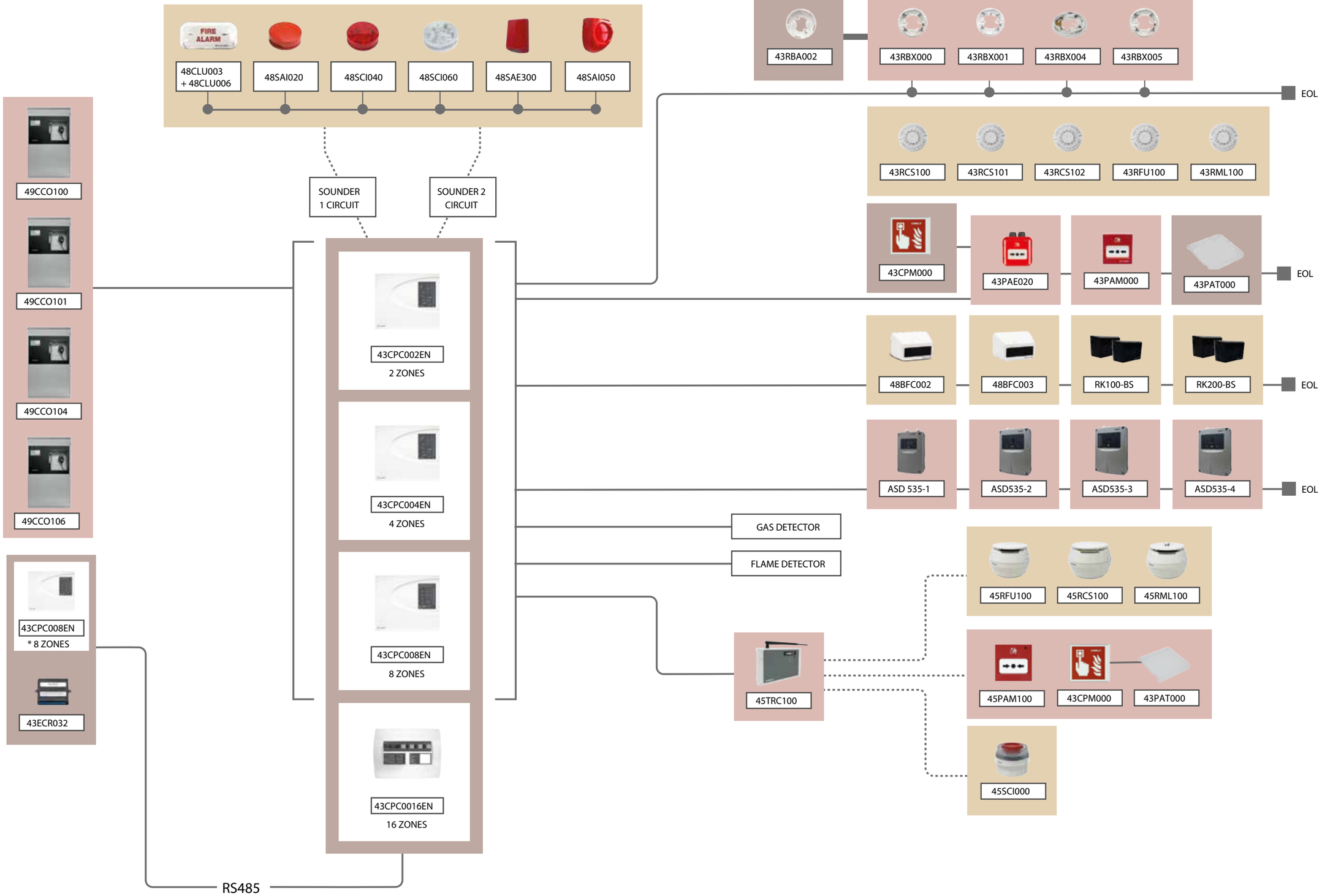
3461 **SURFACE-MOUNTED WALL HOUSING FOR EMERGENCY AND HELP POINT**
Accessory stainless steel expansion box for surface mounting panels art. 3460EA, 3460HEV, 3460HA, 3460HHV. Dimensions (L x H x D): 175.8x226.6x56.6 mm.



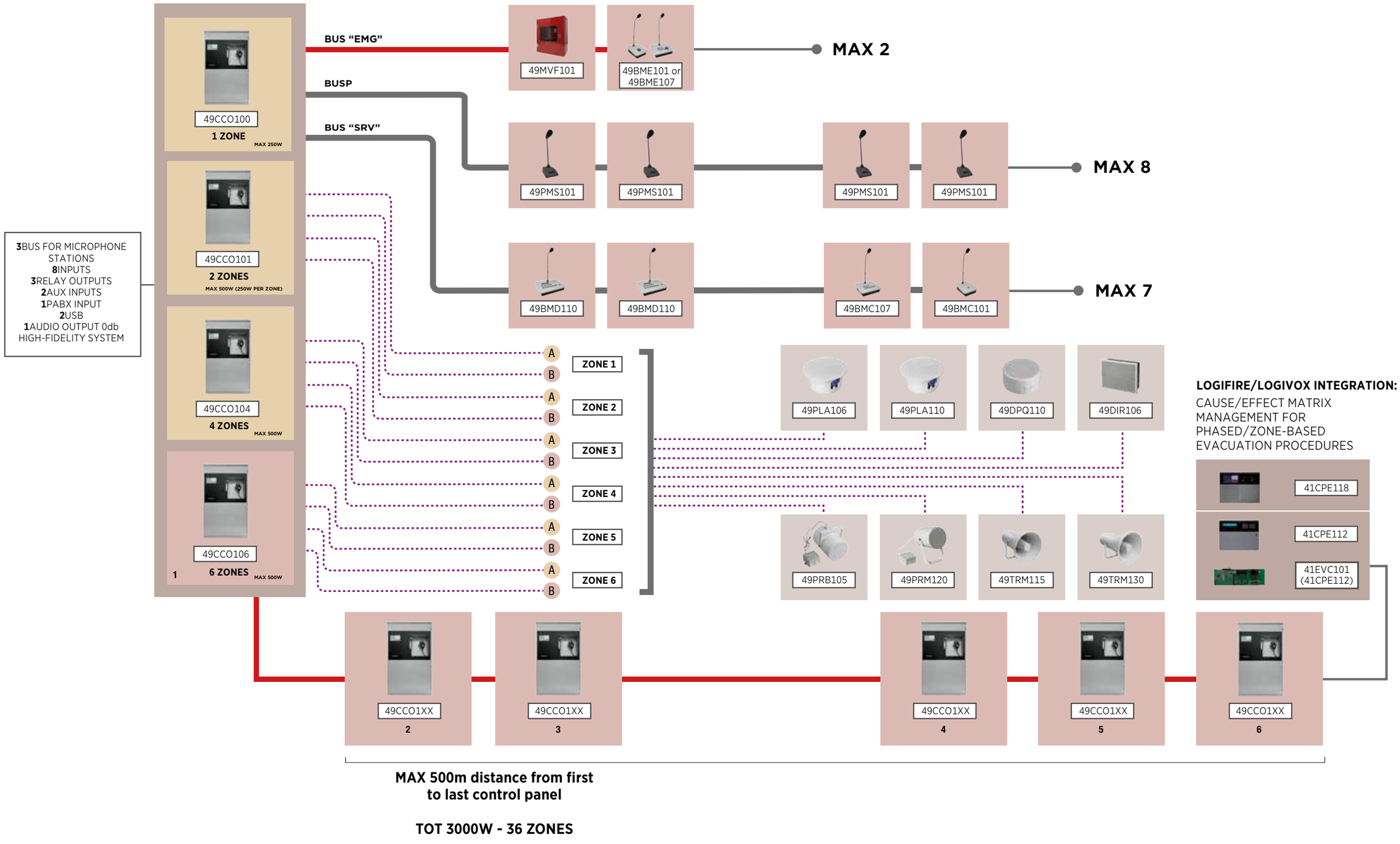
ADDRESSABLE SYSTEM



CONVENTIONAL SYSTEM



PA/VA SYSTEM


3BUS FOR MICROPHONE STATIONS
8INPUTS
3RELAY OUTPUTS
2AUX INPUTS
1PABX INPUT
2USB
1AUDIO OUTPUT 0db HIGH-FIDELITY SYSTEM
49CCO100
1 ZONE
MAX 250W
49CCO101
2 ZONES
MAX 500W (250W PER ZONE)
49CCO104
4 ZONES
MAX 500W
49CCO106
1
6 ZONES
MAX 500W
BUS "EMG"
BUSP
BUS "SRV"
49MVF101
49BME101 or 49BME107
MAX 2
49PMS101
49PMS101
49PMS101
49PMS101
MAX 8
49BMD110
49BMD110
49BMC107
49BMC101
MAX 7
A
B
ZONE 1
ZONE 2
ZONE 3
ZONE 4
ZONE 5
ZONE 6
49PLA106
49PLA110
49DPQ110
49DIR106
49PRB105
49PRM120
49TRM115
49TRM130
LOGIFIRE/LOGIVOX INTEGRATION:
CAUSE/EFFECT MATRIX MANAGEMENT FOR PHASED/ZONE-BASED EVACUATION PROCEDURES
41CPE118
41CPE112
41EVC101 (41CPE112)
49CCO1XX
2
49CCO1XX
3
49CCO1XX
4
49CCO1XX
5
49CCO1XX
6
MAX 500m distance from first to last control panel
TOT 3000W - 36 ZONES

STANDARDS:

ASPIRATING SMOKE DETECTION SYSTEMS

WHAT ARE THEY?

Aspirating smoke detectors draw in air for analysis from the protected area through pipes with holes or capillary pipes. The pipes convey the aspirated air to a sensor, which can be positioned at a distance from the protected area, thereby allowing easier and more economic maintenance. For cavity ceiling protection, for example, inspection hatches are not required as the network of pipes running through the cavity ceiling does not require maintenance; maintenance is only required for the machine, which can even be positioned outside the protected area and therefore in a more accessible location. Use a compressor to clean the holes and a vacuum cleaner to clean inside the coupling between the pipe and the machine. With an aspirating system, no wiring is required in the protected fire zone; all that is required is the installation of a simple plastic pipe. A completely invisible detection system can be created by hiding the sampling pipe in the space above the cavity ceiling and using capillary pipes (small diameter pipes) with small holes to draw air from the protected area and convey it to the detection unit.

WHERE SHOULD THEY BE INSTALLED?

This type of fire detection system is ideally suited to the following situations:

- Areas where detection would otherwise be difficult, such as, for example, in clean rooms, telephone exchanges, cavity ceilings, technical rooms, air ducts, etc.
- Aesthetically sensitive environments, such as museums, historic buildings, facilities with complex architecture etc.
- Environments where access to the system for maintenance purposes is difficult, such as cattle sheds, prisons, underground stations, etc.

WHAT REGULATIONS APPLY?

All aspirating systems must be approved to EN54-20 and installation methods must comply with the guidelines in standard UNI 9795:2021. EN54-20 groups aspirating systems into 3 classes A-B-C.

Furthermore, the maximum coverage of a single machine should not be over 1600 m2 (the equivalent of a fire zone).

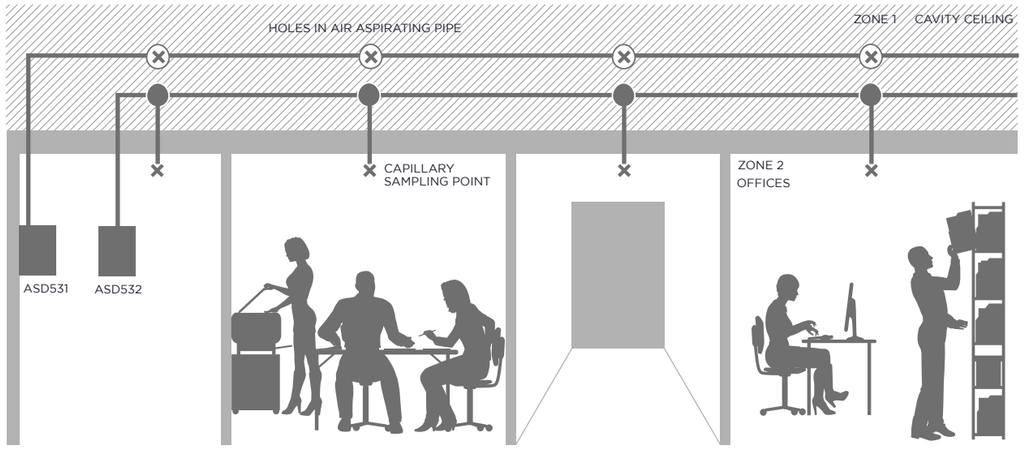
Product codes	ASD531	ASD532	ASD533	ASD5352
Description	Aspirating detector. 1 zone, 1 channel	Aspirating detector. 1 zone, 1 channel	Aspirating detector. 1 zone, 1 channel	Aspirating detector. 1 zone, 2 channels
Certification	EN54-20, Vds, UL, FM	EN54-20, Vds, UL, FM	EN54-20, Vds, UL, FM	EN54-20, Vds, UL, FM
Maximum number of holes class A	6	8	16	18 + 18
Maximum number of holes class B	8	12	50	56 + 56
Maximum number of holes class C	12	16	50	120 + 120
Max. pipe length	75 m with branches	120 m with branches	200 m with branches	2x300 m with branches
Sensitivity (alarm)	0.02% to 10% obs/m	0.02% to 10% obs/m	0.02% to 10% obs/m	0.02% to 10% obs/m

The table below specifies the sensitivity class of the aspirating system required to protect premises according to their height.

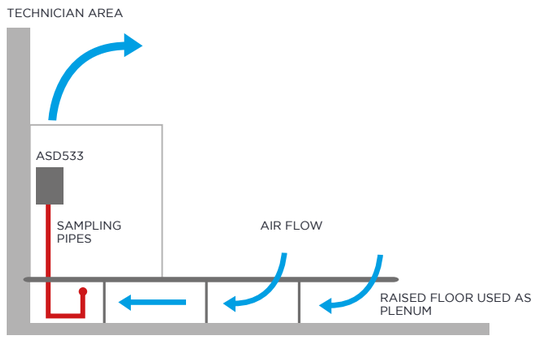
	Height (h) of the premises (m)				
	h ≤ 6	6 < h ≤ 8	8 < h ≤ 12	12 < h ≤ 16	16 < h ≤ 20
Aspirating detectors (UNI EN54-20)	Class A, B, C	Class A, B, C	Class A, B	Class A	Class A

NOTE: for all areas with a height over 12 m, fire-tests must ALWAYS be carried out to confirm the actual operation of the installed system.
If the maximum height of the protected premises exceeds 20 m, in addition to the fire-tests, detection must also take place at intermediate height levels.

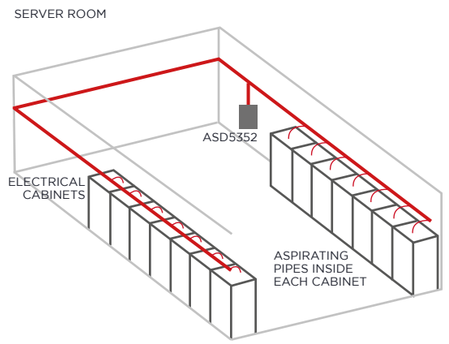
APPLICATION EXAMPLE - FULL SAMPLING



APPLICATION EXAMPLE - PRIMARY SAMPLING



APPLICATION EXAMPLE - SAMPLING AT OBJECT



SOFTWARE AVAILABLE FOR SIZING THE ASPIRATING SYSTEM

REGULATIONS

OPTICAL BEAM SMOKE DETECTORS

WHAT ARE THEY?

An optical beam smoke detector is a fire detection device that uses the attenuation and/or modulation of one or more optical beams to detect smoke. They may consist of a powered active unit that performs the functions of emitter and receiver, and an unpowered passive unit designed specifically to reflect the transmitted beam of light back to the active unit. Another type is one with an active transmitter and receiver (tx-rx), where the infrared beam emitted by the transmitter is not reflected, but “captured” by the receiver which, depending on the set sensitivity level, will indicate optical beam detector alarm status or normal operating status. This type of sensor is widely used when the distances between transmitter and receiver are longer, or where the IR beam needs a small diameter. When the active unit detects a difference between the light emitted and the light received, it triggers an alarm signal. The optical beam detector can identify whether whatever is blocking the light beam is smoke (by detecting partial variation of the transmitted beam) or simply a fixed object (by detecting the total blockage of the transmitted beam). In the latter case, the unit relays a fault signal.

WHERE SHOULD THEY BE INSTALLED?

The distinctive feature of protecting large spaces with only an optical beam device not only makes it possible to avoid having to find positions for a number of point detectors and then carry out all the necessary wiring procedures; it also improves the appearance of the protected space and makes maintenance easier. Usually optical beam detectors are installed in:

- Large premises with wide open spaces, such as workshops, dining rooms in restaurants or hotels, schools, long corridors, ball courts, sports halls, warehouses, hangars, etc.
- Historic buildings and aesthetically sensitive environments, such as churches, museums, palaces, arenas, art galleries, luxury shops, etc.

WHAT REGULATIONS APPLY?

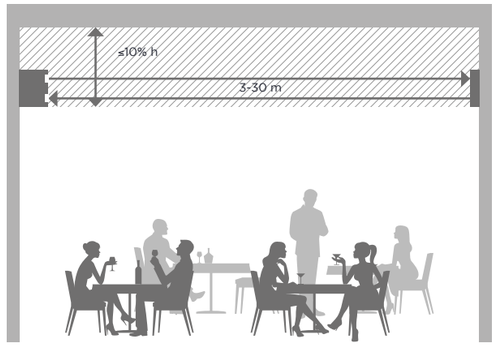
The standards which regulate optical beam detectors are EN54-12, as regards product design, and UNI9795 for system installation. The latter standard specifies that the coverage area of a single machine may not exceed 1600 square metres (the equivalent of a fire zone). This value is calculated on the basis of the coverage of the beam emitted by a single unit, which must not exceed 15 m. As far as installation height is concerned, the standard specifies that with flat coverage the optical beam detector should be positioned within 10% of the height of the protected area. If observing this 10% value is not possible, the system should in any case be installed with a maximum distance from the ceiling equal to 25% of the total room height, and the number of units installed should be increased by 50% in relation to the number normally required.

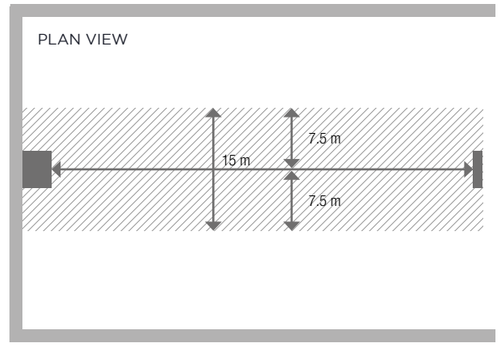
Code	Distance from ceiling (minimum)	Coverage
48BFC000	30 cm	3-30 m
48BFC002	30 cm	5-50 m
48BFC003	30 cm	50-100 m
RK100-B	30 cm	25-120 m
RK100-BS	30 cm	25-120 m
RK200-B	30 cm	40-200 m
RK200-BS	30 cm	40-200 m
RK100-BS-EX	30 cm	25-120 m

THE DISTANCE FROM THE CEILING SHOULD ADHERE TO STANDARD UNI9795 AND TO THE OPERATIONAL DISTANCE OF THE PRODUCT

APPLICATION EXAMPLE

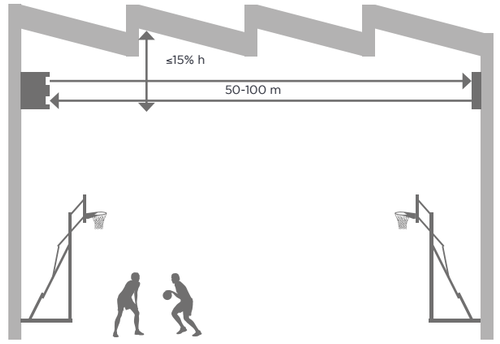
SMOKE DETECTOR 48BFC000

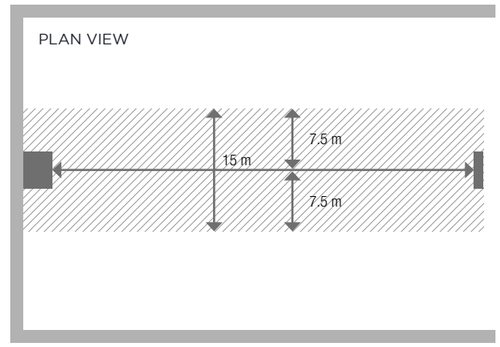




DINING ROOM - RESTAURANT

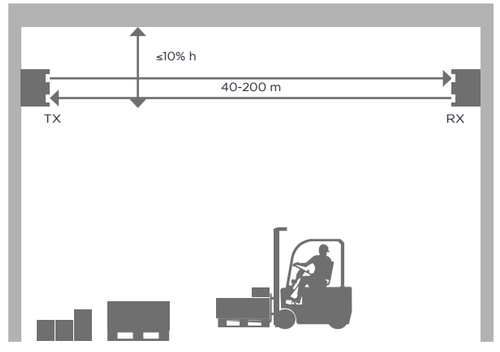
SMOKE DETECTOR 48BFC003

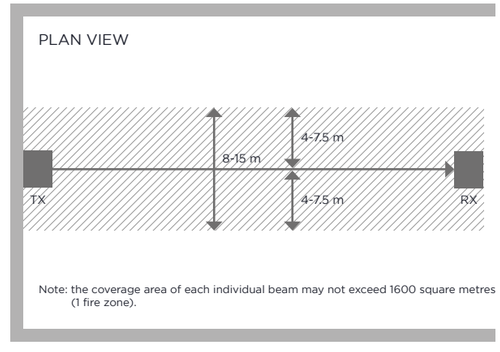




GYMNASIUM WITH PITCHED OR SHED-STYLE CEILING

SMOKE DETECTOR RK200-B





Note: the coverage area of each individual beam may not exceed 1600 square metres (1 fire zone).

WAREHOUSE

REGULATIONS

COMPACT VOICE EVACUATION PANELS APPROVED TO EN54-16 AND EN54-4

Voice evacuation systems are an increasingly essential element of fire detection systems. Leading evacuation with pre-recorded voice messages designed specifically for the type of system in which they are used, they help people inside the building to follow evacuation procedures in the safest way possible. These systems can also be used to broadcast music in normal conditions, giving priority to evacuation and alert messages in emergency conditions. This means these systems are ideal for use in public environments such as supermarkets, airports, schools, etc.
Comelit compact voice evacuation panels are certified in accordance with European standards EN54-16 for the voice part and EN54-4 for the power supply part.

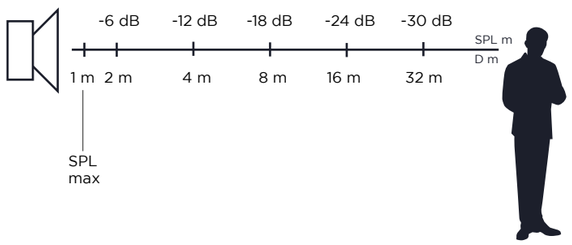
SPECIAL FEATURES

The new range of compact Logivox control panels consists of 4 different models, 49CCO100, 49CCO101, 49CCO104 and 49CCO106, which mainly differ in the number of audio zones (from 1 to 6) and the maximum power that can be distributed over them (from 250 to 500 W).
All the panels have 3 BUS lines for the connection of emergency or service microphone stations; 2 of these are powered directly by the control panel.
For models with 2-4-6 zones, “fail-over” amplifier intervention is managed automatically via relay, meaning no additional wiring is necessary.
The maximum number of panels connected in link format via RS485 cable is 6, plus 1 Logifire fire panel, for a total of 36 broadcast zones A and B.
Different audio input sources and a wide range of pre-recorded Alert, Evacuation and Test start and end messages (already available in various languages) are available, to deal with any type of event.

TABLE OF SOUND PRESSURE IN ENVIRONMENT TYPES

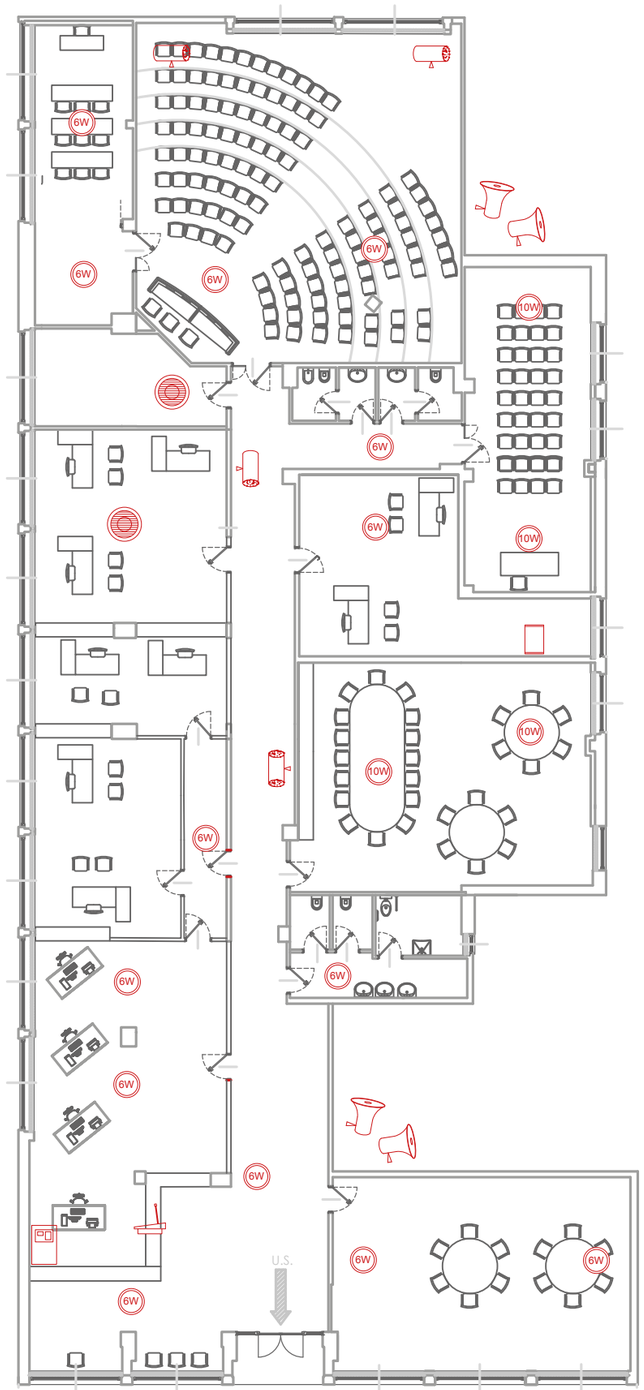
Sound pressure values in a free field are always expressed in dB SPL, or rather decibels calculated in Sound Pressure Level. In order to guarantee the spoken message can be understood, the average sound pressure level of the message must be at least 10 dBA at the existing environmental noise level. For a correct acoustic design, it is therefore essential to be aware of the noise level in the area in which the sound system needs to be set up; the table below provides a rough indication of the average values found in everyday environments.

ENVIRONMENT	NOISE (dB)
Stadium	85-95
Train station	70-80
Workshop	60-70
Gym	60-70
Swimming pool	50-60
Meeting room	50-60
Supermarket	50-60
Car parks	50-60
Restaurant	45-65
Offices	45-55
Park	40-50
Hotel hall	40-50
Classroom	30-50
Theatre	30-50
Church	30-50
Hotel room	30-45
Hospital room	30-45



As you can see from the above image, the sound level produced by a speaker decreases as the distance from the listening point increases.
If the consumption due to the environment is not taken into account, we can see that as the distance doubles this contributes to a weakening of -6 dB in the sound pressure level.

AUDIO DISTRIBUTION SYSTEM APPLICATION EXAMPLE, PA/VA SYSTEMS



VOICE EVACUATION SYSTEM LEGEND

	COMPACT PA/VA PANEL W/ 6 ZONES EN54-16 EN54-4 Comelit 49CCO106
	ROUND METAL SPEAKER FOR WALL/CEILING 10W EN54-24 Comelit 49DPQ110
	MONO-DIRECTIONAL SOUND PROJECTOR 20W EN54-24 Comelit 49PRM120
	BI-DIRECTIONAL SOUND PROJECTOR 5+5W EN54-24 Comelit 49PRB105
6W	FLUSH-MOUNT CEILING SPEAKER 6W EN54-24 Comelit 49PLA106
10W	FLUSH-MOUNT CEILING SPEAKER 10W EN54-24 Comelit 49PLA110
	HORN SPEAKER 15W EN54-24 Comelit 49TRM115
	HORN SPEAKER 30W EN54-24 Comelit 49TRM130
	RECTANGULAR FLUSH-MOUNT SPEAKER 6W EN54-24 Comelit 49DIR106
	EMERGENCY MICROPHONE STATION EN54-16 Comelit 49BME107

NB: example designed in accordance with UNI ISO 7240-19 - STI value proven through calculation using specific calculation software.

REGULATIONS

REGULATORY FRAMEWORK FOR FIRE PROTECTION SYSTEMS

FIRE PROTECTION SYSTEMS

Specifies the criteria for the design and operation of fixed automatic fire detection and fire alarm systems. Fixed automatic fire detection must in all cases comprise:

- Automatic fire detectors
- Manual call points
- Control panel for monitoring and signalling
- Power supply equipment
- Fire alarm devices

MANUAL CALL POINTS

Fixed automatic systems must be completed with manual call points. Any faults and/or exclusions of the detectors must not put the alarm buttons out of service and vice-versa. 1 button must be provided for every safety exit, where at least one of them can be reached from every point of that same zone using a route measuring no more than 30 m for medium-low fire risk activities and 15 m in the case of environments with a high fire risk. There must be at least 2 buttons in every zone.

AUDIOVISUAL ALARMS

Audiovisual devices must be sized in adherence with the latest regulatory updates (UNI 9795:2021), based on precise noise emission parameters.

EN54-13:2017+A1:2019 - COMPATIBILITY AND CONNECTIVITY ASSESSMENT OF THE COMPONENTS IN A FIRE DETECTION SYSTEM

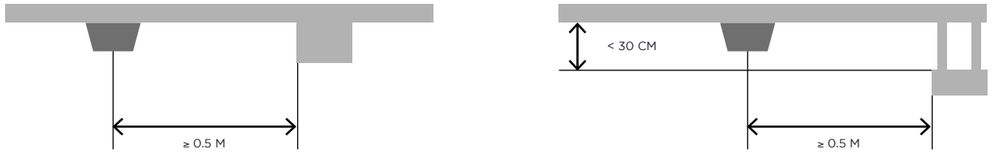
This standard specifies the compatibility requirements and the connection options for the components in a fire alarm and detection system that conform to the specifications of UNI EN 54 or, in the absence of a specific standard, to the manufacturer's specifications. This document also specifies requirements for the integrity of the fire detection and fire alarm system when connected to other systems.

The AFDS chapter S7 of the single fire prevention code is detailed below:

S.7.5 FIRE ALARM AND DETECTION SYSTEMS

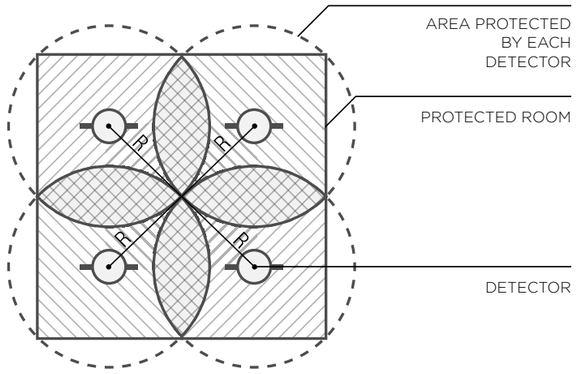
1. Fire alarm and detection systems (FADS) designed and installed in accordance with standard UNI 9795 are considered a conforming solution. Conforming solutions are described in relation to the main and secondary functions specified in standard UNI EN 54-1 and listed in tables S.7-5 and S.7-6.
2. For the correct design, installation and operation of a FADS, the compatibility and interconnection of the components must have been checked properly, in compliance with current regulations and standards adopted by the national standards body. This includes the specific operating sequence of the functions to be carried out. The FADS components checked according to standard UNI EN 54-13 are considered to be a conforming solution.

EXAMPLE INSTALLATION OF POINT SMOKE DETECTORS, DISTANCE FROM CEILING

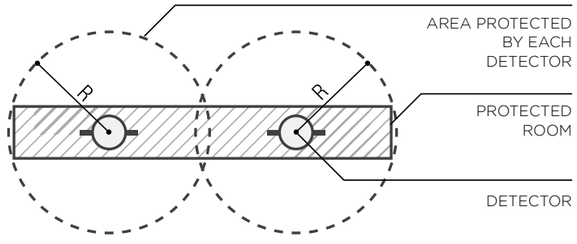


EXAMPLE INSTALLATION OF HEAT AND SMOKE DETECTORS

CASE 1: ROOM WITH DIMENSIONS THAT ARE SIMILAR TO EACH OTHER



CASE 2: ROOM WITH DIMENSIONS NOT SIMILAR TO EACH OTHER (CORRIDOR)

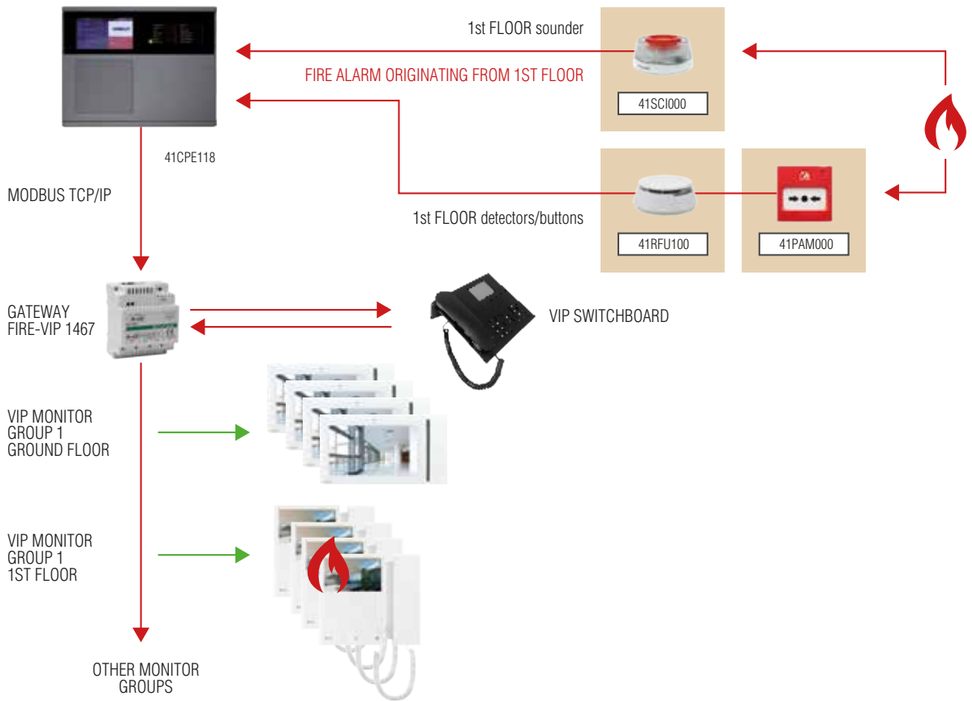


Integration Fire-VIP

Comelit offers an innovative solution that integrates the world of IP video entry with fire detection systems. Taking the systems installed in a residential/commercial context as a launch point, the company has developed module 1467 which can be used to integrate fire detection panels (LOGIFIRE and ATENA) with all ViP IP video entry systems. The 1467 module uses MODBUS TCP/IP protocol to acquire all the information relating to the fire detection control panel alarms and distributes it to users via the ViP System. In addition to the classic audio-visual indications specified by regulations, a further alert message is sent to the individual apartments/ offices via the video entry stations. Every single monitor can be programmed to receive Pre-alarm, Alarm and Evacuation signals. The logic for transmitting signals to individual monitors is fully programmable by type and event, depending on the floor or zone linked to the fire detection. Where provided, any porter switchboards can receive not only all the information sent to the monitors, but also the fault indications relating to the fire detection control panel. The system also allows, where intended, the transmission of programmable notifications directly via the MyComelit APP.

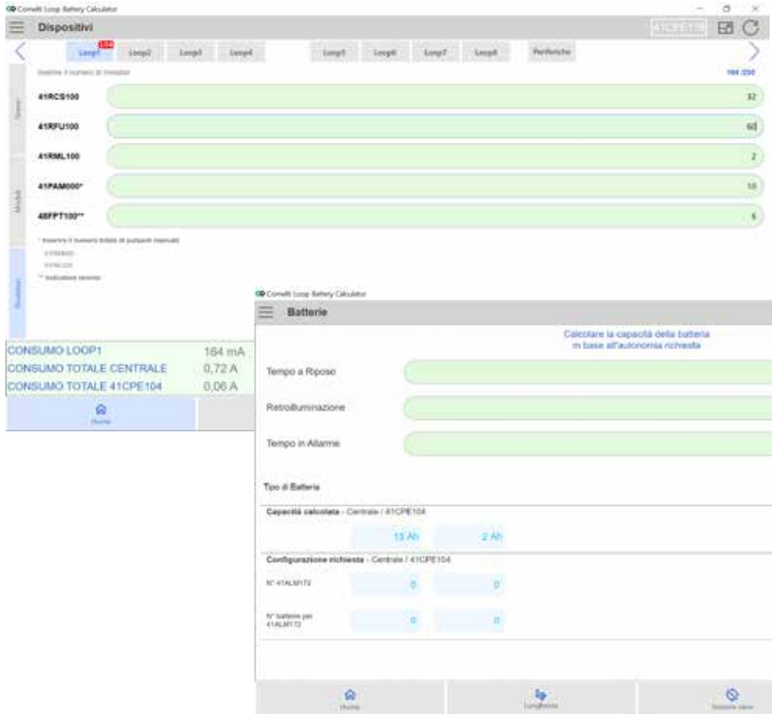
FIRE VIP Integration

Example of interfacing between fire alarm control panel 41CPE118 and ViP / FIRE 1467 module



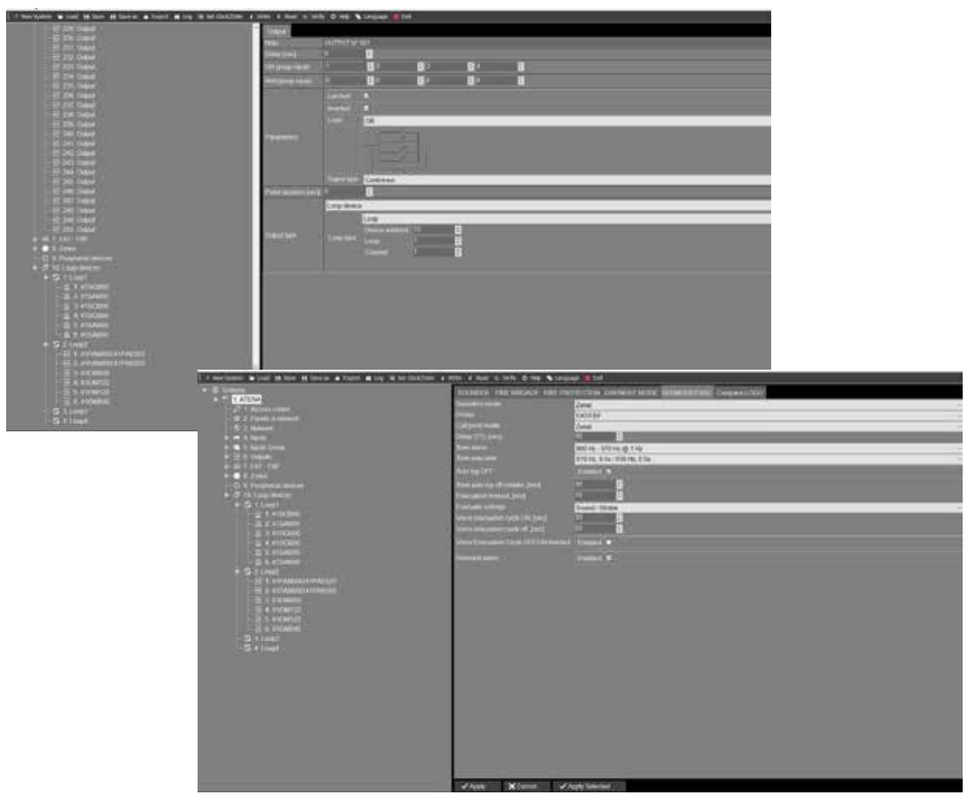
Loop + Battery Calculator All-In-One

Comelit offers calculation tools for addressable fire alarm systems so that the system can be properly sized, for full and precise awareness of any installation limits before the system is devised, in order to avoid any problems once the system has been created. It is therefore possible to calculate the cross-section of the cable to use and its maximum length in accordance with the anticipated devices, plus the maximum consumption of those devices and their resistance, to ensure and confirm that the control panel is capable of managing them. Once the number of devices on the different Loops along with the other equipment connected has been entered, simply enter the hours of autonomy required, when the LogiFire control panel will have to work without a main power supply; the required capacity of the battery will then be calculated automatically.



LogiProg Sw

The **LogiProg** software is the installer tool used to **configure** and **manage** the entire Comelit **addressable range**.
The **simple and intuitive interface** allows linear programming of the control panel parameters, such as the description of individual devices, zones, logics, timings and delays required during system startup, even in OFFLINE mode, so as to allow the installer to pre-program the system without being directly connected to the control panel. Connection with the control panel can take place via mini USB cable or directly in TCP/IP.
The software can also be used to download a copy of the programming in EXCEL format, as well as the control panel Event log and the maintenance report with the degree of contamination specified for each individual detector.



Horus system manager

The aim of fire detection systems is to guarantee the safety of people and property. In particular, when dealing with large and complex systems or multi-floor properties, the graphic support becomes absolutely indispensable for minimising reaction times. For this reason - correct and instant handling of alarm situations - it makes management of any false alarms easier or allows targeted and effective intervention in the quickest possible time.
Horus is becoming the **ideal tool** to meet this requirement. It immediately captures the attention of the personnel in charge, highlighting that there is a fire alarm; it provides all the necessary information relating to the exact location of the event, guiding the personnel to the exact point requiring intervention for checking purposes. In the event of a false alarm, it allows the authorised operator to exclude the individual device which triggered the alarm. Horus is also the integration platform for all Comelit systems.
One possible application is to pair it with the CCTV system, meaning a pop-up of the images from the cameras involved in the event will appear.

Connection between LOGIFIRE series control panels and Horus takes place via **MODBUS TCP/IP protocol**. Horus can manage **an unlimited number of control panels**, maps and points.
Maps can be imported in Bitmap, Vector or DWG format, if necessary using the original floor plans of the site to be monitored. Horus also offers an innovative function as it can be used to split any floor plans into logic views, which will be enlarged to full-screen mode in the event of an alarm so as to highlight the zone affected by that alarm. Devices are added to the maps with customisable icons; they can be excluded individually according to authorisation level and switch from static to flashing in different colours depending on their status (Alarm-Fault-Excluded). The control panel icon makes all built-in functions available, such as reset, buzzer silencing or sounder silencing. In the event of a verified alarm, the system allows delay times to be cancelled and the evacuation procedure to be started. The system can also be used to monitor all control panel alarm/fault/anomaly statuses to allow real-time diagnostics.



ADDRESSABLE RANGE

FIRE ALARM CONTROL PANELS







	41CPE118	41CPE112	41CPE104
MAIN FEATURES			
Model	1- to 8-loop addressable fire panel, LOGIFIRE series	1- to 2-loop addressable fire panel, Logifire series	4-loop expansion box, logifire series
Number of loops	1 as standard, can be expanded to 4 with 3 x 41ECL220, up to 8 with box 41CPE104 (1 as standard)	1 as standard, can be expanded to 2 with expansion device 41ECL022	1 as standard, can be expanded to 4 with 3 expansion devices 41ECL220
Loop expansion communication protocol	Comelit	Comelit	Comelit
Max. number of devices per loop	250	250	250
Number of detection zones available	200	48	
Max. number of devices per zone	32	32	
Programmable logic functions	AND/OR		
Max. number of logic inputs	250		
Max. number of logic outputs	250		
Connectivity	LAN, RS485	RS485, LAN (module 41ECN000 for monitoring SW)	
Alarm levels (T1 and T2)	Yes	Yes	
Internal buzzer	Yes	Yes	
Evacuation countdown (T3)	Yes	Yes	
Sounder activation delay	1-10 minutes	1-10 minutes	
Detection with confirmation (dual action)	Yes	Yes	
Number of password-protected access levels	3	3	
Activation delay management	Yes	Yes	
Maximum number of log events	10240	10000	
Multilingual display menu	Yes	Yes	
PA/VA control panel interfacing module	Yes, supplied	Yes, optional Art. 41EVC101	
Max. no. of PA/VA panels that can be connected	6 (Logivox) - 5 (49CCO00x)	6 (Logivox) - 5 (49CCO00x)	
Optional additional power supply unit	Yes, Art. 41ALM172 (max. 10)		Yes, Art. 41ALM172 (max. 10)
Optional thermal printer	Yes, Art. 41PRN100	Yes, Art. 41PRN100	
Installation in modular structures	Yes	Yes	Yes
Flush-mounted installation	Yes, Art. 48BIA100	Yes, Art. 48BIA100	Yes, Art. 48BIA100
Operating mode with / without supervision (day/night)	Yes	Yes	
Management via remote control	Yes	Yes	Yes
Number of panels that can be connected over Ethernet	64 with integrated TCP/IP interface	64 with Art. 41ECN000	
Programming with PC	With programming software	With programming software	With programming software
Local programming	Via menu on colour touchscreen display	Via menu on display and keypad	
Sensor addressing with auto-acquisition of loop devices	Yes	Yes	Yes
Sensor addressing with electronic programmer 41SPG000	Yes	Yes	Yes
Backwards compatibility with previous series of Comelit addressable sensors	Yes	Yes	Yes
Certification standard	EN54-2, EN54-4, EN54-13, BOSEC	EN54-2, EN54-4, EN54-13, BOSEC	EN54-2, EN54-4, EN54-13, BOSEC

MAIN FEATURES			
Dimensions (LxHxD - mm)	430 x 330 x 150	430 x 330 x 150	430 x 330 x 150
IP protection rating	IP30	IP30	IP30
Housing	Metal	Metal	Metal
Colour	Grey, RAL 7045	Grey, RAL 7045	Grey, RAL 7045
Display	Resistive 7" touchscreen	Alphanumeric LCD, 4 rows of 40 characters	N/A
Weight without battery (g)	7000	7000	6500
Zone status indicator LEDs	200	16	
Redundant CPU	Yes		
Programming ports	Micro USB-B, LAN (RJ45)	Micro USB-B	
Ethernet connection	Yes	Yes (for monitoring via SW) optional Art. 41ECN000	
Max. number of panels that can be connected over redundant RS485 network	64, with optional module 41ECB000	64, with optional module 41ECB000	
Protection upon access	Using a special mechanical key	Using a special mechanical key	Using a special mechanical key
Inputs dedicated to interfacing with extinguishing systems	3	3	
Operating temperature (°C)	-5 - 40	-5 - 40	-10 - 50
Operating humidity (max. % RH)	(93 ± 3)% @ 40 °C	(93 ± 3)% @ 40 °C	(93 ± 3)% @ 40 °C
Max. cross-section of connection cables (mm²)	0.4 - 2.5	0.4 - 2.5	0.4 - 2.5
ELECTRICAL SPECIFICATIONS			
Main power supply	110-230 VAC / 50-60 Hz	110-230 VAC / 50-60 Hz	110-230 VAC / 50-60 Hz
Backup power supply (batteries not provided)	1 x 12 VDC - 18 Ah	1 x 12 VDC - 18 Ah	1 x 12 VDC - 18 Ah
Auxiliary devices power supply output	1 (0.3A@24 VDC)	1 (0.5A@24 VDC)	1 (0.5A@24 VDC)
Programmable relay outputs with free contact (NO/NC)	4 (10A@30 VDC)	4 (15A@24 VDC)	
Monitored outputs for sounders	1 (1A@24 VDC)	2 (0.5A@24 VDC each)	1 (1A@24 VDC)
Monitored outputs	3 (Alarm transmission, Extinguishing, Fault) 0.1A@24 VDC each	3 (Alarm transmission, Extinguishing, Fault) 0.3A@24 VDC each	

**NOTE: 41CPE118R: Red color, RAL 3000. It complies with SS645 (Singapore Standard Ver. 645) clause 5.5.5 and 5.5.8.*

41CPE104R: Red color, RAL 3000

41CPE112R: Red color, RAL 3000

ADDRESSABLE RANGE

FIRE ALARM ACCESSORIES





	48FPI000	48FPT000	48FPT100
MAIN FEATURES			
Model	Flush-mounted repeater LED	Remote signaller	Repeater LED, LOGIFIRE series
HARDWARE SPECIFICATIONS			
Dimensions	24 (ø) x 38.5 (D)	85 (L) x 85 (W) x 20 (D)	48 (ø) x 32 (H)
Recess hole diameter (mm)	20		
IP protection rating		IP40	IP30
Material	ABS	ABS	ABS
Colour	Transparent	White	White
Weight (g)	5	42	30
Visual indication	Yes	Yes	Yes
Visual indication colour	Red	Red	Red
Operating temperature (°C)	0 - 50	-10 - 60	-10 - 60
Operating humidity (max. % RH)	(93 ± 3) @ 40 °C	(93 ± 3) @ 40 °C	(93 ± 3) @ 40 °C
ELECTRICAL SPECIFICATIONS			
Power supply voltage	2 Vdc ±5%	18 VDC	2.1 - 2.6 VDC
Maximum direct current (mA)	-		50
Consumption with addressable detector (mA)	3		5.2
Consumption with conventional detector (mA)	3	30 mA	5.5

FIRE PROTECTION ACCESSORIES





	41ALM172	41PRN100	41CPR100
MAIN FEATURES			
Model	Additional power supply unit, Logifire series	Thermal printer, logifire series	Repeater panel, logifire series
Compatible control panels	41CPE118 and box 41CPE104	41CPE118, 41CPE112	41CPE118, 41CPE112, 41CPE024, 41CPE012
Max. number of panels that can be connected over redundant rs485 network			64
Number of panels that can be connected over Ethernet			64 with integrated TCP/IP interface
Programming ports			Micro USB-B
Programming with pc			With programming software
Local programming			Via menu on display and keypad
Display			Resistive 7" touchscreen (159x88 mm)
Internal buzzer			Yes
Supported font types		12x24 points and 9h17 points	
Print density		8 points/mm. 576 points/line	
Print speed		170 mm / sec.	
Certification standard	EN54-4, BOSEC	BOSEC	BOSEC
HARDWARE SPECIFICATIONS			
Width (mm)	430	430	227
Height (mm)	330	330	166
Depth (mm)	150	150	38
IP protection rating	IP30	IP30	IP30
Material	Metal	Metal	ABS
Colour	Grey, RAL 7045	Grey, RAL 7045	White RAL 9002, black frame
Weight (g)	6500	5500	700
Flush-mounted installation	Yes, Art. 48BIA100	Yes, Art. 48BIA100	Yes, Art. 41KPR102
Desk base-mounted			Yes, Art. 41KPR101
Installation in modular structures	Yes	Yes	
Operating temperature (°C)	-5 - 50	-10 - 50	-5 - 50
Operating humidity (max. % RH)	(93 ± 3)% @ 40 °C	(93 ± 3)% @ 40 °C	(93 ± 3)% @ 40 °C
ELECTRICAL SPECIFICATIONS			
Power supply voltage	230 VAC (+/-10%), 50 Hz	230 VAC (+/-10%), 50 Hz	24 VDC
Maximum Consumption (mA)	9.9 - 14.2		220
Maximum current delivered by the power supply unit	7A@1 battery, 14A@2 batteries		
Backup power supply (batteries not provided)	2 x 12 Vdc - 18 Ah		

***NOTE**:*

41ALM172R: Red color, RAL 3000.

41PRN100: Red color, RAL 3000

ADDRESSABLE RANGE

DETECTORS

			
	41RFU100	**41RCS100**	**41RML100**
MAIN FEATURES			
Model	Optical smoke detector, logifire series	Heat detector / rate-of-rise detector, logifire series	Smoke/heat multi-sensor + rate-of-rise detector, logifire series
Backwards compatibility with atena series control panels	Yes	Yes	Yes
Sensitivity level settings	High/Normal/Medium/Low	A1R (58ª, RoR), A2S (60ª), BS (75ª)	High/Normal/Medium/Low (optics) - A1R (thermal - 58ª, RoR)
LED indicators	2, 360° visibility	2, 360° visibility	2, 360° visibility
Detector class (in compliance with EN54-5)		A1/R, A2/S	A1/R
Isolator	Yes	Yes	Yes
Power supply readjustment time (S)	30	30	30
Certification standard	EN54-7, EN54-17, BOSEC	EN54-5, EN54-17, BOSEC	EN54-5, EN54-7, EN54-17, BOSEC
HARDWARE SPECIFICATIONS			
Dimensions (øxh - mm - includes base)	108 x 41	108 x 41	108 x 48
IP protection rating	IP30	IP30	IP30
Type of finish	ABS	ABS	ABS
Colour	White	White	White
Weight (g)	125	125	125
Compatible base	41RBX020	41RBX020	41RBX020
Operating temperature (°C)	-10 - 60	-10 - 60	-10 - 60
Operating humidity (max. % RH)	(93 ± 3)% @ 40 °C	(93 ± 3)% @ 40 °C	(93 ± 3)% @ 40 °C
Cross-section for terminals (mm²)	0.4 - 2.5	0.4 - 2.5	0.4 - 2.5
ELECTRICAL SPECIFICATIONS			
Power supply	16 - 32 VDC (Rated 27 VDC)	16 - 32 VDC (Rated 27 VDC)	16 - 32 VDC (Rated 27 VDC)
Consumption during communication	<310 µA@27 VDC	<290 µA@27 VDC	<310 µA@27 VDC
Nominal Consumption (standby)	<190 µA@27 VDC	<170 µA@27 VDC	<190 µA@27 VDC
Input current in alarm status	6.5 mA	6.5 mA	6.5 mA
Output in alarm status for remote indication	7.5 mA@7.5 VDC	7.5 mA@7.5 VDC	7.5 mA@7.5 VDC

FIRE PROTECTION ACCESSORIES

		
	41LTS000 / 41LTS000EN	**41SPG000 / 41SPG000EN**
MAIN FEATURES		
Number of addresses available		250
Loop self-diagnosis	Yes	
Device parameter reading	Yes	
Auto-addressing functions	Yes	
Short circuit / opening search on loop	Yes	
Device LED activation	Yes	
Multilingual display menu	Yes	
HARDWARE SPECIFICATIONS		
Material	ABS	ABS
Colour	White	White
Weight (g)	250	260
Operating temperature (°C)	-5 - 40	-5 - 40
Operating humidity (max. % RH)	(93 ± 3)% @ 40 °C	(93 ± 3)% @ 40 °C
Cross-section for terminals (mm²)	0.2 - 2.5	
ELECTRICAL SPECIFICATIONS		
Power supply voltage	15 VDC	4.2-8 VDC
Secondary power supply		4 x 1.5 V batteries, type AA

ADDRESSABLE RANGE

FIRE ALARM PANEL BUTTONS





	41PAM000	41PAE020
MAIN FEATURES		
Type of detection point	Manual alarm call point	Manual alarm call point
Isolator	Yes	Yes
Certification standard	EN54-11, EN54-17, BOSEC	EN54-11, EN54-17, BOSEC
HARDWARE SPECIFICATIONS		
Dimensions (LxHxD - mm)	90x90x56	114x114x80
IP protection rating	IP40	IP67
Material	ABS	ABS
Colour	Red	Red
Weight	175	263
Fragile element type	Resettable	Resettable
Operating temperature (°C)	-10 - 60	-10 - 60
Operating humidity (max. % RH)	(93 ± 3)% @ 40 °C	(93 ± 3)% @ 40 °C
Cross-section for terminals (mm²)	0.4 - 2.5	0.4 - 2.5
ELECTRICAL SPECIFICATIONS		
Power supply voltage	15-32 VDC	15-32 VDC
Consumption during communication	160 µA@27 VDC	160 µA@27 VDC
Current consumption in alarm	3 mA	3 mA

SOUNDERS AND SIGNALLING UNITS











	41SCI000	41SCB101	41SAI000	41SAB101	K41VAD100L
HARDWARE SPECIFICATIONS					
Model	Addressable sounder with strobe	Base with sounder and strobe, logifire series	Addressable sounder	Base with sounder, logifire series	Base with strobe EN54-23 and sounder EN54-3
Backwards compatibility with atena series control panels	Yes	Yes	Yes	Yes	Yes
Number of tones available	32	32	32	32	32
Optical signal coverage in accordance with EN54-23	(W) 2.4 x 6				(C) 3 x 6
Isolator	Yes	Yes	Yes	Yes	Yes
Certification standard	EN54-3, EN54-17, EN54-23, UNI 11744:2019, BOSEC	EN54-3, EN54-17, UNI 11744:2019	EN54-3, EN54-17, UNI 11744:2019, BOSEC	EN54-3, EN54-17, UNI 11744:2019	EN54-3, EN54-17, EN54-23, UNI 11744:2019
HARDWARE SPECIFICATIONS					
Dimensions (LxHxD - mm)	116 (ø) x 55 (H)		116 (ø) x 55 (H)		162 (ø) x 40 (H)
Dimensions (øxh - mm - includes base)		121 x 38		121 x 38	
IP protection rating	IP43C	IP21C	IP43C	IP21C	IP21C
Type of finish	ABS	Polycarbonate	ABS	ABS	ABS
Colour	Red, white base	White	Red	White	White
Weight (g)	183	125	183	125	215
Visual indication	Yes	Yes			Yes
Visual indication colour	White	Red			White
Operating temperature (°C)	-10 - 50	-10 - 55	-10 - 50	-10 - 55	-10 - 50
Operating humidity (max. % RH)	(93 ± 3)% @ 40 °C	(93 ± 3)% @ 40 °C	(93 ± 3) @ 40 °C	(93 ± 3)% @ 40 °C	(93 ± 3)% @ 40 °C
Compatible base	41RBX020	41RBX020	41RBX020	41RBX020	
Cross-section of cables that can be used (mm²)	0.4 - 2.5	0.4 - 2.0	0.4 - 2.5	0.4 - 2.0	0.4 - 2.0
ELECTRICAL SPECIFICATIONS					
Power supply voltage	15 - 32 (27 VDC Nominal)	16 - 32 VDC (Nominal 27 VDC)	15 - 32 (27 VDC Nominal)	16 - 32 VDC (Nominal 27 VDC)	20 - 32 (27 VDC Nominal)
Flashing frequency (Hz)	1	1			0.5
Nominal Consumption (standby)	500 µA@27 VDC	470 µA@27 VDC	500 µA@27 VDC	470 µA@27 VDC	1 mA
Max cons. (other tones) high volume (with audio and strobe active)	<16.5 mA	10 mA @ 27 VDC			<29 mA
Max cons. (other tones) high volume (with only audio active)	<10 mA		<10 mA	9.8 mA @ 27 VDC	
Max cons. (other tones) low volume (with audio and strobe active)	<11 mA	3 mA @ 27 VDC			
Max cons. (other tones) low volume (with only audio active)	<4 mA		<4 mA	2.8 mA @ 27 VDC	
Max cons. main tone 27 high volume, with audio and strobe active	<22 mA	10 mA @ 27 VDC			<29 mA
Max cons. main tone 27 high volume, with only audio active	<16.5 mA		<16.5 mA	9.8 mA @ 27 VDC	
Max cons. main tone 27 low volume, with audio and strobe active	<12 mA	3 mA @ 27 VDC			
Max cons. main tone 27 low volume, with only audio active	<5 mA		<5 mA	2.8 mA @ 27 VDC	
Sound power (other tones) high volume (db@1 m)	80-95±3	- 87±3	80-95±3	- 87±3	- 87±3
Sound power (other tones) low volume (db@1 m)	75-85±3	- 81±3	75-85±3	- 81±3	- 81±3
Sound power (main tone 27) high volume (db@1 m)	- 92±5	- 88±3	92±5	- 88±3	- 88±3
Sound power (main tone 27) low volume (db@1 m)	- 80±6	- 81±3	80±6	- 81±3	- 81±3

ADDRESSABLE RANGE

FIRE ALARM MODULES

								
	41IOM022 41IOM022XL*	**41IOM122 41IOM122XL***	**41IOM040 41IOM040XL***	**41IOM004 41IOM004XL***		**41IOM000 41IOM000XL***	**41IOM000/240 41IOM000/240XL***	**41ISC000 41ISC000XL***
MAIN FEATURES								
Isolator	Yes	Yes	Yes	Yes		Yes	Yes	Yes
Certification standard	EN54-17, EN54-18, BOSEC	EN54-17, EN54-18, BOSEC	EN54-17, EN54-18, BOSEC	EN54-17, EN54-18, BOSEC		EN54-17, EN54-18, BOSEC	EN54-17, EN54-18, BOSEC	EN54-17, EN54-18
HARDWARE SPECIFICATIONS								
Dimensions (LxHxD - mm)	142x80x45	142x80x45	142x80x45	142x80x45		142x80x45	142x80x45	142x80x45
IP protection rating	IP21	IP21	IP21	IP21		IP21	IP21	IP21
Material	ABS	ABS	ABS	ABS		ABS	ABS	ABS
Colour	White, transparent cover	White, transparent cover	White, transparent cover	White, transparent cover		White, transparent cover	White, transparent cover	White, transparent cover
Weight (g)	230	230	230	230		230	230	230
Operating temperature (°C)	-10 - 60	-10 - 60	-10 - 60	-10 - 60		-10 - 60	-10 - 60	-10 - 60
Operating humidity (max. % RH)	(93±3)% @ 40 °C	(93±3)% @ 40 °C	(93±3)% @ 40 °C	(93±3)% @ 40 °C		(93±3)% @ 40 °C	(93±3)% @ 40 °C	(93±3)% @ 40 °C
Cross-section of cables (mm²)	0.4 - 2.5	0.4 - 2.5	0.4 - 2.5	0.4 - 2.5		0.4 - 2.5	0.4 - 2.5	0.4 - 2.5
ELECTRICAL SPECIFICATIONS								
Power supply voltage	15-32 VDC	15-32 VDC	15-32 VDC	15-32 VDC		15-32 VDC	15-32 VDC	15-32 VDC
Consumption in standby (mA)	0.24		0.3	0.18		0.27	0.18	
Nominal consumption	260 µA@27 VDC		330 µA@27 VDC	200 µA@27 VDC		270 µA@27 VDC	220 µA@27 VDC	
Consumption with 1 LED on (mA)	3.5		4	4		3.6	4	3
Nominal consumption (relay outputs selected)		<0.87 mA@27 VDC						
Consumption with 1 LED on (relay outputs selected)		3.9 mA						
Consumption with 2 LEDs on (relay outputs selected)		7.2 mA						
Nominal consumption (monitored outputs selected)		<1.03 mA@27 VDC						
Consumption with 1 LED on (monitored outputs selected)		4.15 mA						
Consumption with 2 LEDs on (monitored outputs selected)		7.2 mA						
Max. cons. with external power supply								150 µA@27 VDC
Maximum consumption with power supply from loop (standby) (mA)								5.5
Max. cons. of sensors in alarm mode								20 mA (zone powered by +L), 50 mA (zone powered by +H)
Output(s) maximum current	1 A@30 VDC/0.5 A@125 VAC	2 A@30 VDC/0.5 A@125 Vac		1 A@30 VDC/0.5 A@125 VAC		0.75 A@28 VDC/0.5 A@120 VAC	4 A@250 VAC/3 A@30 VDC	
Number of supervised inputs	2	2	4					
No. of relay outputs or no. of monitored outputs	2	2		4		1	1	

**NOTE: the XL versions of the products listed in the table only differ due to their different specifications: Dimensions (L x H x D): 191x125x61, IP rating: IP65, Material: ABS, PC, Colour: White with transparent black cover.*

ADDRESSABLE RANGE

FIRE ALARM MODULES





	41IOM010	41IOM001
MAIN FEATURES		
Isolator	no	no
Certification standard	EN54-18	EN54-18
HARDWARE SPECIFICATIONS		
Box dimensions (LxHxD - mm)	37x53x18	37x53x18
PCB dimensions (mm)	43x25	43x25
IP protection rating	IP30 (with box)	IP30 (with box)
Matrial	Plastic box	Plastic box
Color	White	White
Weight (without box) (g)	20 (15)	17 (12)
Operating temperature (°C)	-10 - 60	-10 - 60
Operating humidity (max. % RH)	(93±3)% @ 40 °C	(93±3)% @ 40 °C
Cross-section of cables (mm²)	0.4 - 2.5	0.4 - 2.5
ELECTRICAL SPECIFICATIONS		
Power supply voltage	15-32 VDC	15-32 VDC
Nominal consumption	100 QA@27 VDC	
Number of supervised inputs	1	
"No. of relay outputs or no. of monitored outputs"		1
Output(s) maximum current		0,25 A/24 VAC 2 A/30 VDC"

FIRE ALARM MODULES



	41LED032
MAIN FEATURES	
Model	Synoptic panel on Loop, logifire series
Compatible control panels	41CPE118, 41CPE112, 41CPE024, 41CPE012
Internal buzzer	Yes
Programming with pc	With programming software
Local programming	Yes, from control panel display
Isolator	Yes
Commands to control panel 41CPE118	Inputs: Sounder silencing, Buzzer silencing, Reset
Number of control panel status outputs	4
Input for indication test (LED and buzzer) 41LED032	Yes
Enable commands (silence sounders and reset)	Yes, via KeyLock input
41LED032 per control panel (max.)	5 with 41CPE112, 50 with 41CPE118
Certification standard	EN54-17, EN54-18, BOSEC
HARDWARE SPECIFICATIONS	
Height (mm)	174
Width (mm)	225
Depth (mm)	80
IP protection rating	IP43
Material	ABS
Colour	Grey
Weight (g)	750
Operating temperature (°C)	-10 - 50
Operating humidity (max. % RH)	(93±3)% @ 40 °C
Cross-section of cables (mm²)	0.4 - 2.5
ELECTRICAL SPECIFICATIONS	
Power supply voltage	12/24 Vdc
Number of LED outputs (freely programmable)	32
Number of entrance commands	5
Control panel status indication outputs	Power supply, Alarm, Exclusions, Fault
Consumption in standby (mA)	<2 @ 27 VDC
Consumption with status LED on (mA)	5.4
Output power supply voltage	12-24 VDC (12 VDC for the LEDs)
Outputs total maximum current	390 mA@24 VDC / 790 mA@12 VDC
Max. LED connection cable length (m)	3

CONVENTIONAL RANGE

FIRE ALARM CONTROL PANELS






	43CPC002EN	43CPC004EN	43CPC008EN	43CPC016EN
MAIN FEATURES				
Number of detection zones available	2	4	8	16
Comelit sensors and buttons per zone (max.)	32	32	32	32
Zone status indicator LEDs	Yes	Yes	Yes	Yes
Internal buzzer	Yes	Yes	Yes	Yes
Protection level 2	Mechanical key	Mechanical key	Mechanical key	Mechanical key
Management via remote control			Yes	Yes
Sounder activation delay			1 - 10 minutes	1-10 minutes
Detection with confirmation (dual action)			Yes	Yes
Instantaneous zone			Programmable	Programmable
Certification standard			EN54-2, EN54-4	EN54-2, EN54-4
HARDWARE SPECIFICATIONS				
No. of relays with expansion	EN54-2, EN54-4	EN54-2, EN54-4	8 (with art. 43ECR032)	16 (with art. 43ECR032)
Dimensions (LxHxD - mm)	340x290x100	340x290x100	340x290x100	340x290x100
IP protection rating	IP30	IP30	IP30	IP30
Housing	Plastic	Plastic	Plastic	Plastic
Colour	White	White	White	White
Weight without battery (g)	2100	2100	2399.51	2399.51
Operating temperature (°C)	-5 - 40	-5 - 40	-5 - 40	-5 - 40
Operating humidity (max. % RH)	(93±3)% @ 40°C	(93±3)% @ 40°C	(93±3)% @ 40°C	(93±3)% @ 40 °C
Storage temperature (°C)	-20 - 60	-20 - 60	-20 - 60	-20 - 60
Max. cross-section of connection cables (mm²)	1 - 2.5	1 - 2.5	1 - 2.5	1 - 2.5
ELECTRICAL SPECIFICATIONS				
Main power supply	230 VAC ±10% (0.3A fuse)	230 VAC ±10% (0.3A fuse)	230 VAC ±10% (0.3A fuse)	230 VAC ±10% (fuse 0.3 A)
Backup power supply (batteries not provided)	1x 12 VDC, 7 Ah, 2 A fuse	1x 12 VDC, 7 Ah, 2 A fuse	1x 12 VDC, 7 Ah, 2 A fuse	1x 12 VDC, 7 Ah, 2 A fuse
Auxiliary devices power supply output	24 (0.3A max)	24 (0.3A max)	24 (0.3A max)	24 (0.3 A max)
Mains power consumption (mA)	50	50	50	50
Max. absorp. of devices connected with charged battery (a)	0.7	0.7	0.7	0.7
Relay outputs faulty and alarm relay in switching with voltage-free contacts	3 A@120 VAC, 3 A@60 VDC	3 A@120 VAC, 3 A@60 VDC	3 A@120 VAC, 3 A@60 VDC	3 A@24 VDC
Monitored outputs	2 (0.3 A max. each)	2 (0.3 A max. each)	2 (0.3 A max. each)	2 (0.3 A max. each)
Number of fire relays	1 (3A@120 Vac; 3A@60 VDC Max)	1 (3A@120 Vac; 3A@60 VDC Max)	1 (3A@24 VDC)	1 (3 A@24 VDC)
No. of fault relays	1 (3A@120 Vac; 3A@60 VDC Max)	1 (3A@120 Vac; 3A@60 VDC Max)	1 (3A@24 VDC)	1 (3 A@24 VDC)
Circuit outputs for sounders	24 VDC/0.3 A, 0.3 A fuse	24 VDC/0.3 A, 0.3 A fuse	0.5A@24 VDC, 0.5A fuse (PTC)	0.5 A@24 VDC, 0.5 A fuse (PTC)
Circuit outputs for sounders 2	24 VDC/0.3 A, 0.3 A fuse	24 VDC/0.3 A, 0.3 A fuse	0.5A@24 VDC, 0.5A fuse (PTC)	0.5 A@24 VDC, 0.5 A fuse (PTC)
Alarm zone thresholds (mA)	10 - 110	10 - 110	10 - 110	10 - 110
Short-circuit zone thresholds	>110	>110	>110	>110
Fault zone or line break thresholds (mA)	2	2	2	2
Normal mode zone thresholds (mA)	2 - 10	2 - 10	2 - 10	2 - 10

FIRE ALARM MODULES



	43ECR032
HARDWARE SPECIFICATIONS	
Dimensions (LxHxD - mm)	130x111x41
Weight (g)	400
Operating temperature (°C)	-5 - 40
Operating humidity (max. % RH)	(93±3)% @ 40 °C
Cross-section of cables (mm²)	1.5 - 2.5
ELECTRICAL SPECIFICATIONS	
Number of relay outputs	8
Outputs maximum current	1A@12 V or 0.5A@24 V

CONVENTIONAL RANGE

DETECTORS







	43RFU100	43RCS100	43RCS101	43RCS102	43RML100
MAIN FEATURES					
Type of detection point	Optical smoke detector	Heat detector with fixed threshold 58 °C + rate-of-rise detector	Heat detector with fixed threshold of 60 °C	Heat detector with fixed threshold of 75 °C	Smoke/heat multi-sensor + rate-of-rise detector
Self-diagnosis	Yes	Yes	Yes	Yes	Yes
LED indicators	2, 360° visibility	2, 360° visibility	2, 360° visibility	2, 360° visibility	2, 360° visibility
Detector class (in compliance with EN54-5)		A1/R	A2/S	B/S	A1/R
Drift compensation	Yes				
Power supply readjustment time (s)	30	30	30	30	30
Certification standard	EN54-7	EN54-5	EN54-5	EN54-5	EN54-5, EN54-7
HARDWARE SPECIFICATIONS					
Dimensions (øxh - mm - includes base)	102x42	102x42	102x42	102x42	102x42
IP protection rating	IP30	IP30	IP30	IP30	IP30
Colour	White	White	White	White	White
Weight (g)	160	160	160	160	170
Operating temperature	-10 - 60	-10 - 60	-10 - 60	-10 - 60	-10 - 60
Operating humidity (max. % RH)	(93±3)% @ 40 °C	(93±3)% @ 40 °C	(93±3)% @ 40 °C	(93±3) @ 40 °C	(93±3) @ 40 °C
Cross-section for terminals (mm²)	0.4 - 2.5	0.4 - 2.5	0.4 - 2.5	0.4 - 2.5	0.4 - 2.5
ELECTRICAL SPECIFICATIONS					
Power supply	9-30 (12-24 VDC Nominal)	9-30 (12-24 VDC Nominal)	9-30 (12-24 VDC Nominal)	9-30 (12-24 nominal)	9-30 (12-24 nominal)
Current absorbed in alarm with bases 43RBX000, 43RBX001 and 43RBX005	20 mA, 12-30 VDC	20 mA, 12-30 VDC	20 mA, 12-30 VDC	20 mA, 12-30 VDC	20 mA, 12-30 VDC
Current absorbed in alarm with base type 43RBX003	18 mA @ 9 VDC, 29 mA @ 12 VDC, 32 mA @ 15 VDC	18 mA @ 9 VDC, 29 mA @ 12 VDC, 32 mA @ 15 VDC	18 mA @ 9 VDC, 29 mA @ 12 VDC, 32 mA @ 15 VDC	18 mA @ 9 VDC, 29 mA @ 12 VDC, 32 mA @ 15 VDC	18 mA @ 9 VDC, 29 mA @ 12 VDC, 32 mA @ 15 VDC
Average consumption in inactive status	<50µA	<50µA	<50µA	<50µA	<50µA
Output in alarm status for remote indication	20 mA@3.3 VDC	20 mA@3.3 VDC	20 mA@3.3 VDC	20 mA@3.3 VDC	20 mA@3.3 VDC

FIRE ALARM PANEL BUTTONS




	43PAM000	43PAE020
MAIN FEATURES		
Type of detection point	Manual alarm button	Manual alarm button
Certification standard	EN54-11	EN54-11
HARDWARE SPECIFICATIONS		
Dimensions (LxHxD - mm)	90x90x56	114x114x80
IP protection rating	IP40	IP67
Material	ABS	ABS
Colour	Red	Red
Weight (g)	150	263
Fragile element type	Resettable	Resettable
Operating temperature (°C)	-10 - 60	-10 - 60
Operating humidity (max. % RH)	(93±3)% @ 40 °C	(93±3)% @ 40 °C
Cross-section for terminals (mm²)	0.4 - 2.5	0.4 - 2.5
ELECTRICAL SPECIFICATIONS		
Power supply voltage	9-30 (12-24 nominal)	9-30 (12-24 nominal)
Current consumption in alarm (mA)	23@15 V / 38@24 V / 48@30 V	23@15 V / 38@24 V / 48@30 V

FIRE ALARM ACCESSORIES




	48FPI000	48FPT100
MAIN FEATURES		
Model	Flush-mounted repeater LED	Repeater LED, LOGIFIRE series
HARDWARE SPECIFICATIONS		
Dimensions	24 (ø) x 38.5 (D)	48 (ø) x 32 (H)
Recess hole diameter (mm)	20	
IP protection rating		IP30
Material	ABS	ABS
Colour	Transparent	White
Weight (g)	5	30
Visual indication	Yes	Yes
Visual indication colour	Red	Red
Operating temperature (°C)	0 - 50	-10 - 60
Operating humidity (max. % RH)	(93 ± 3) @ 40 °C	(93 ± 3) @ 40 °C
ELECTRICAL SPECIFICATIONS		
Power supply voltage	2 Vdc ±5%	2.1 - 2.6 VDC
Maximum direct current (mA)	-	50
Consumption with addressable detector (mA)	3	5.2
Consumption with conventional detector (mA)	3	5.5

SIGNALLING DEVICES RANGE

SIGNALLING UNITS AND SOUNDERS

								
	48SAE300	**48CLU003**	**48SAE000**	**48SAI020**		**48SAI050**	**48SCI040**	**48SCI060**
MAIN FEATURES								
Number of tones available	1	16	32	32		1	32	32
Optical signal coverage in accordance with EN54-23		(W) 3.6 x 9 m						(O) 2.3 / 1.5 / 0.75
Certification standard	EN54-3, BOSEC	EN54-3, EN54-23, UNI 11744:2019	EN54-3, UNI 11744:2019	EN54-3, BOSEC, UNI 11744:2019		EN54-3, BOSEC	EN54-3, BOSEC, UNI 11744:2019	EN54-3, EN54-23, BOSEC, UNI 11744:2019
HARDWARE SPECIFICATIONS								
Dimensions (LxHxD - mm)	230x310x60	275x135x50	92 (ø) x 95 (H)	102 (ø) x 32 (H)		69x94x45	102 (ø) x 32 (H)	102 (ø) x 32 (H)
IP protection rating	IP44 (electronics part IP54)	IP21C	IP66 with fixing backplate art. 48SAE001	IP21C		IP21C	IP21C	IP21C
Type of finish	ABS	ABS - V0 + Polycarbonate	ABS	ABS		ABS	SAN	SAN
Colour	Red	White	Red	Red		Red	Transparent red	Transparent white
Weight (g)	1003			248		77	248	248
Visual indication	Yes	Yes				Yes	Yes	Yes
Visual indication colour	White	White				Red	Red	White
Operating temperature	-40 - 85	-10 - 55	-40 - 70	-10 - 60		-10 - +55	-10 - 60	-10 - 60
Operating humidity (max. % RH)	(93±3) @ 40 °C	(93±3) @ 40 °C	(93±3) @ 40 °C	(93±3) @ 40 °C		(93±3) @ 40 °C	(93±3) @ 40 °C	(93±3) @ 40 °C
Cross-section of cables that can be used (mm²)	0.28 - 2	0.4 - 2.5	0.28 - 2.5	0.2 - 1.5		0.2 - +1.5	0.2 - 1.5	0.2 - 1.5
ELECTRICAL SPECIFICATIONS								
Power supply voltage (VDC)	20-30	19-30	9-30	20-28		16-29	20-28	20-28
Sound frequency (HZ)	3100 - 3800					2700 - 4000		
Flashing frequency (HZ)		1				2	1	1
Max cons. (other tones) high volume (with audio and strobe active)							25 mA	25 mA
Max cons. (other tones) high volume (with only audio active)							22 mA	22 mA
Max cons. (other tones) low volume (with audio and strobe active)							12 mA	12 mA
Max cons. (other tones) low volume (with only audio active)							8.5 mA	8.5 mA
Max cons. main tone 27 high volume, with only audio active				22 mA@24 VDC				
Max cons. main tone 27 low volume, with only audio active				8.5 mA@24 VDC				
Max. cons. (mA - visual part/audible part)	28 mA @ 24 V	61 mA	39 mA			75 mA		
Sound power (other tones) high volume (db@1 m)				90-102 dB			83-102 dB	85-104 dB
Sound power (main tone 27) high volume (db@1 m)				102 dB			92-101 dB	95-104 dB
Audible indication low level (dB@1 m)		71 dB	94 dB	94 dB			94 dB	98 dB
Audible indication high level (dB@1 m)	95 dB	91 dB	110 dB	102 dB		100 dB	102 dB	104 dB

SIGNALLING DEVICES RANGE

SIGNALLING UNITS AND SOUNDERS

	 WCW98	 WCW99	 WBW98	 WBW99	 WMS98	 WMS99		 ASNEX120DC	 ASNEXP110DC	 48CME100	 48CMI100
MAIN FEATURES											
Model	Wall-mounted sounder and strobe	Wall-mounted sounder and strobe	Wall-mounted strobe	Wall-mounted strobe	Wall-mounted sounder	Wall-mounted sounder		Buzzer	Audio-visual signaller	Outdoor bell	Indoor bell
Number of tones available	32	32			32	32		64	64	1	1
Optical signal coverage in accordance with EN54-23	(W) 4 x 9 m	(W) 4 x 9 m	(W) 4 x 9 m	(W) 4 x 9 m					(W) 3.1 x 11.3 m		
Certification standard	EN54-3, EN54-23	EN54-3, EN54-23	EN54-23	EN54-23	EN54-3	EN54-3		EN54-3	EN54-3, EN54-23	EN54-3	EN54-3
HARDWARE SPECIFICATIONS											
Dimensions (LxHxD - mm)	120x109x63	120x109x45	120x109x63	120x109x45	120x109x63	120x109x45		166x189x150	166x189x150	150 (ø) x 64 (H)	150 (ø) x 53 (H)
IP protection rating	IP65	IP21	IP65	IP21	IP65	IP21		IP66	IP66	IP56	IP33C
Type of finish	ABS	ABS	ABS	ABS	ABS	ABS		Polycarbonate, ABS	Polycarbonate, ABS	Aluminium+ABS	Aluminium+ABS
Colour	Red	Red	Red	Red	Red	Red		Red	Red	Red	Red
Weight (g)	232	203	232	203	218	190		1800	1200	499	410
Visual indication	Yes	Yes	Yes	Yes					Yes		
Visual indication colour	White	White	White	White					White		
Operating temperature (°C)	-10 - 55	-10 - 55	-10 - 55	-10 - 55	-10 - 55	-10 - 55		-25 - 70	-25 - 70	-25 - 70	-10 - 50
Operating humidity (max. % RH)	0 - 95	0 - 95	0 - 95	0 - 95	0 - 95	0 - 95		0 - 95	0 - 95	0 - 95	0 - 95
Cross-section of cables that can be used (mm²)	0.5 - 2.5	0.5 - 2.5	0.5 - 2.5	0.5 - 2.5	0.5 - 2.5	0.5 - 2.5		0.5 - 2.5	0.5 - 2.5	0.5 - 2.5	0.5 - 2.5
ELECTRICAL SPECIFICATIONS											
Power supply voltage (VDC)	9-60	9-60	9-60	9-60	9-60	9-60		10-60	17-60	20-28	20-28
Maximum Consumption (mA)	14.5	14.5	14.5	14.5	4	4		550	85	15	15
Audible indication high level (dB@1 m)	100	100			105	105		120	110	96	96

WIRELESS RANGE

TRANSLATOR





	45TRA100	45TRC100
MAIN FEATURES		
Model	Logifire addressable wireless expander	Conventional wireless expander
Compatible control panels	41CPE118	Comelit ERACLE series, Comelit 41CPE112 with module 41ISC000, Conventional third-party control panels
Communication protocol	Comelit Wireless	Comelit Wireless
Powered via Loop	Yes	
Isolator	Yes	
Max. no. of expanders per control panel/system	5	5
Max. no. of wireless devices per expander	32	32
Frequency band (no.)	866-870	866-870
Number of frequency channels	6 pairs of channels	6 pairs of channels
Bidirectional radio communication	Yes	Yes
Modulation	GFSK	GFSK
RF range (metres in open space) (m)	1500	1500
Display type	LCD, dot matrix 16x2	LCD, dot matrix 16x2
Event messages for the status of wireless devices	Low battery, tamper, device loss, signal strength	Low battery, tamper, device loss, signal strength
Multilingual display menu	Yes	Yes
EN standards	EN54-17, EN54-18, EN54-25	EN54-18, EN54-25
HARDWARE SPECIFICATIONS		
IP protection rating	IP40	IP40
Height (mm)	125	125
Width (mm)	191	191
Depth (mm)	60	60
Type of finishing materials	ABS	ABS
Product colour	White RAL9016, Grey RAL7045	White RAL9016, Grey RAL7045
Product weight (g)	180	200
Operating temperature (°C)	-10 - 55	-10 - 55
Cross-section for terminals (mm)	0.5- 2.5	0.5- 2.5
ELECTRICAL SPECIFICATIONS		
Power supply voltage	17-30 VDC	24 VDC
Max. consumption with display active (mA)	17	17
Max. consumption with display off (mA)	13	14
GENERAL DATA		
Wireless technology	Bidirectional, BeaconPlus	Bidirectional, BeaconPlus
Antenna type	Dipolar, omnidirectional	Dipolar, omnidirectional
Antenna connection	SMA port	SMA port
Anti-opening protection	Tamper	Tamper

DETECTORS







	45RCS100	45RFU100	45RML100
MAIN FEATURES			
Type of detection point	Heat detector with fixed threshold 58 °C + rate-of-rise detector	Optical smoke detector	Multi-criteria smoke/heat detector + rate-of-rise detector
Sensitivity level settings	A1R (58°, RoR), A2S (60°)	High/Normal/Medium/Low	High/NormaL/Medium/Low (optics) - A1R (thermal - 58°, RoR)
Self-diagnosis	Yes	Yes	Yes
LED indicators	2, 360° visibility	2, 360° visibility	2, 360° visibility
Conformity class EN54-5	A1/R, A2/S		
Bidirectional radio communication	Yes	Yes	Yes
Modulation	GFSK	GFSK	GFSK
Radio frequency (MHz)	868	868	868
Number of frequency channels	6 pairs of channels	6 pairs of channels	6 pairs of channels
RF range (metres in open space) (m)	1500	1500	1500
EN standards	EN54-5, EN54-25	EN54-7, EN54-25	EN54-5, EN54-7, EN54-25
HARDWARE SPECIFICATIONS			
IP protection rating	IP30	IP30	IP30
Product colour	White	White	White
Operating temperature (°C)	-10 - 55	-10 - 55	-10 - 55
Height of base included (mm)	76	76	82
Diameter (mm)	108	108	108
Product weight (g)	210	227	242
BATTERIES			
Number of batteries (no.)	2	3	3
Battery type	CR123A	CR123A	CR123A
Battery included	Yes	Yes	Yes
Battery life (buzzer disabled)	-10 years	-10 years	-10 years
Battery level check	Yes	Yes	Yes
GENERAL DATA			
Anti-opening protection	Tamper	Tamper	Tamper
Wireless technology	Bidirectional, BeaconPlus	Bidirectional, BeaconPlus	Bidirectional, BeaconPlus
Internal buzzer	Yes	Yes	Yes
Internal buzzer volume	80 dB/1 m	80 dB/1 m	80 dB/1 m

WIRELESS RANGE

MANUAL CALL POINT



	45PAM100
MAIN FEATURES	
Type of detection point	Manual alarm button
Fragile element type	Resettable
Self-diagnosis	Yes
LED indicators	1
Bidirectional radio communication	Yes
Modulation	GFSK
Radio frequency (MHz)	868
Number of frequency channels	6 pairs of channels
RF range (metres in open field)	1500
EN standards	EN54-11, EN54-25
HARDWARE SPECIFICATIONS	
IP protection rating	IP40
Type of finishing materials	ABS
Product colour	Red
Operating temperature (°C)	-10 ÷ 55
Width (mm)	90
Height (mm)	90
Depth (mm)	57
Product weight (g)	158
BATTERIES	
Number of batteries (no.)	1
Battery type	CR123A
Battery included	Yes
Battery life (buzzer disabled)	-10 years
Battery level check	Yes
GENERAL DATA	
Anti-opening protection	Tamper
Wireless technology	Bidirectional, BeaconPlus

SOUNDER



	45SCI100
MAIN FEATURES	
Number of tones available (no.)	32
Self-diagnosis	Yes
Bidirectional radio communication	Yes
Modulation	GFSK
Radio frequency (MHz)	868
Number of frequency channels	6 pairs of channels
RF range (metres in open space) (m)	1500
EN standards	EN 54-3, EN 54-23, EN 54-25
HARDWARE SPECIFICATIONS	
IP protection rating	IP31
Type of finishing materials	SAN
Visual indication	Yes
Visual indication colour	White
Operating temperature (°C)	-10 ÷ 55
Height of base included (mm)	98
Diameter (mm)	116
Product weight (g)	372
ELECTRICAL SPECIFICATIONS	
Sound power (other tones) high volume (dB@1 m)	80-95 dB±3 dB@1 m
Sound power (other tones) low volume (dB@1 m)	75-85 dB±3 dB@1 m
Sound power (main tone 27) high volume (dB@1 m)	92 dB±5 dB@1 m
Sound power (main tone 27) low volume (dB@1 m)	80 dB±6 dB@1 m
BATTERIES	
Number of batteries (no.)	4
Battery type	CR123A
Battery included	Yes
Battery life (years)	8
Battery level check	Yes
GENERAL DATA	
Anti-opening protection	Tamper
Wireless technology	Bidirectional, BeaconPlus

EXTINGUISHING RANGE

EXTINGUISHING PANEL



	46EST003
MAIN FEATURES	
Extinguishing zones	2 (AND)
Fire alarm zones	1
Max. number of devices per zone	32
Event log module (optional)	Art.46LEP000
Maximum number of log events	1000
Mechanical key for mode selection	Yes
Monitored input for manual release	Yes
Monitored input for door status: lock/release	Yes
Monitored input for mode selection	Yes
Monitored input for extinguishing enabling/disabling	Yes
Monitored input for low pressure	Yes
Monitored input for flow control	Yes
Output for displaying door status: lock/release	Yes
Output for displaying extinguishing disabling	Yes
Output for displaying low pressure	Yes
Output for displaying manual mode	Yes
Certification standard	EN54-2, EN54-4, EN12094-1
HARDWARE SPECIFICATIONS	
Dimensions (LxHxD - mm)	324X314x82 mm
IP protection rating	IP30
Weight (g)	3200
Operating temperature (°C)	-5 - 40
Operating humidity (max. % RH)	(93±3)% @ 40 °C
Storage temperature (°C)	-10 - 60
ELECTRICAL SPECIFICATIONS	
Main power supply	110-230 VAC ±10%
Frequency	47-60
Consumption	0.3@230 VAC / 0.7@110 VAC
Backup batteries (not supplied)	2 (12 VDC/7 Ah)
Maximum current for battery charge (a)	0.3
Auxiliary power supply output	26 VDC / 1.5 A
Monitored outputs for sounders	2 (24 VDC/0.3 A)
Monitored outputs for extinguishing	1 (24 VDC/1 A 5 min - 24 VDC/3 A 20 ms)
Non-monitored relay outputs for alarm signalling	2 (5-30 VDC / 1 A)
Non-monitored relay outputs for fault signalling	1 (5-30 VDC / 1 A)

FIRE ALARM PANEL BUTTONS





	46PMA100	46PMS120
MAIN FEATURES		
Model	Yellow extinguishing activator manual call point	Blue stop extinguishing manual call point
HARDWARE SPECIFICATIONS		
Dimensions with protective cover (mm)	94x60x92	94x60x92
IP protection rating	IP40	IP40
Material	ABS	ABS
Colour	Yellow	Blue
Weight (g)	169	173
Protective cover supplied	Yes	Yes
Fragile element type	Resettable	
Operating temperature (°C)	-10 - 60	-10 - 60
Operating humidity (max. % RH)	(93±3)% @ 40 °C	(93±3)% @ 40 °C
Cross-section for terminals (mm²)	0.4 - 2.0	0.4 - 2.0
ELECTRICAL SPECIFICATIONS		
Power supply voltage	9-30 VDC	9-30 VDC
Contact type	Normally open (N.O.)	Switching (N.O. / N.C.)

ASPIRATING RANGE

ASPIRATING SYSTEM CONTROL PANELS

						
	ASD531	**ASD532**		**ASD533**	**ASD5332**	**ASD5352**
MAIN FEATURES						
Coverage area (m^2)	720	1280		1920	2000	5760
Class A sampling holes	6	8		16	16	18 per channel
Class B sampling holes	8	12		50	50	56 per channel
Class C sampling holes	12	16		50	50	120 per channel
Pipe network length	75 m with branches	120 m with branches		200 m with branches	200 m with branches	2x300 m with branches
Sensitivity (alarm)	0.02% to 10% obs/m	0.02% to 10% obs/m		0.02% to 10% obs/m	0.02% to 10% obs/m	0.02% to 10% obs/m
Sensors included	Yes	No, Art. SSD532		Yes	Yes	No, Art. SSD5353
Maximum pipe outer diameter (mm)	25	25		25	25	25
Filter	Metal, replaceable Art. IPS35 (2 pcs.)	Metal, replaceable Art. IPS35 (2 pcs.)		Metal, replaceable Art. IPS35 (2 pcs.)	Metal, replaceable Art. IPS35 (2 pcs.)	Metal, replaceable Art. IPS35 (2 pcs.)
Programming via ASD Config SW	No	Yes		Yes	Yes	Yes
Pre-configured programming (Basic)	No	Yes		Yes	Yes	Yes
Local programming	Yes					
Communication ports (programming and FW update)		Ethernet		USB	USB	USB
Maximum no. of log events	1000 (640,000 with SD card)	1000 (640,000 with SD card)		430 (>16mil. with MCM35)	430 (>16mil. with MCM35)	430 (>16mil. with MCM35)
EN standards	EN54-20	EN54-20		EN54-20	EN54-20	EN54-20
Other certifications	Vds, UL, FM	Vds, UL, FM		Vds, UL, FM	Vds, UL, FM	Vds, UL, FM
HARDWARE SPECIFICATIONS						
IP protection rating	IP54	IP54		IP54	IP54	IP54
Operating temperature (°C)	-10 - 55	-20 - 60 °C		-20 - 60 °C	-20 - 60 °C	-30 - 60 °C
Operating humidity (max. RH) (%)	70 - 95%	70 - 95%		70 - 95%	70 - 95%	70 - 95%
Height (mm)	333	333		397	397	397
Width (mm)	195	195		265	265	265
Depth (mm)	140	140		148	148	148
Product weight (g)	1950	2000		3255	3255	3555
Material	ABS, UL 94-V0	ABS, UL 94-V0		ABS, UL 94-V0	ABS, UL 94-V0	ABS, UL 94-V0
Product colour	Grey	Grey		Grey	Grey	Grey
Maximum terminal cross-section (mm^2)	2.5	2.5		2.5	2.5	2.5
ELECTRICAL SPECIFICATIONS						
Power supply voltage	14-30 VDC	14-30 VDC		14-30 VDC	14-30 VDC	14-30 VDC
Current consumption in alarm (mA)	80 mA@24 VDC (max. speed)	115 mA@24 VDC (max. speed)		160 mA@24 VDC (max. speed)	270 mA@24 VDC (Al.1+Al.2 - max. speed)	350 mA@24 VDC (Al.1+Al.2 - max. speed)
Current consumption in standby/fault (mA)	75 mA@24 VDC (max. speed)	100 mA@24 VDC (max. speed)		130 mA@24 VDC (max. speed)	220 mA@24 VDC (max. speed)	290 mA@24 VDC (max. speed)
Relays	2 (alarm, fault)	2 (alarm, fault)		3 (alarm, fault, configurable)	3 (alarm 1, alarm 2, fault)	3 (alarm 1, alarm 2, fault)
Max. relay contact capacity	1 A / 50 VDC	1 A / 50 VDC		1 A / 50 VDC	1 A / 50 VDC	1 A / 50 VDC
OC (open collector) outputs	2 (alarm, fault)	2 (alarm, fault)		3 (alarm, fault, configurable)	3 (alarm 1, alarm 2, fault)	3 (alarm 1, alarm 2, fault)
Max. OC output capacity	100 mA / 30 VDC	100 mA / 30 VDC		100 mA / 30 VDC	100 mA / 30 VDC	100 mA / 30 VDC
External reset input	Yes	Yes		Yes	Yes	Yes
OEM input	Yes	Yes		Yes	Yes	Yes
Sound pressure level dB(A)/1 m	25	25-31-39 (speed 1-2-3)		34	34	34-36-39-40-41 (speed 1-2-3-4-5)

BEAM DETECTORS RANGE

BEAM SMOKE DETECTORS

						
	RK100-B	**RK100-BS**		**RK200-B**	**RK200-BS**	**RK100-BS-EX**
MAIN FEATURES						
Detection type	Clouding and Turbulence	Clouding		Clouding and Turbulence	Clouding	Clouding
Built-in laser pointer	Yes	Yes		Yes	Yes	Yes
LED indicators	Red (alarm status), Blue (compensation limit, fault, beam broken or normal operation)	Red (alarm status), Blue (compensation limit, fault, beam broken or normal operation)		Red (alarm status), Blue (compensation limit, fault, beam broken or normal operation)	Red (alarm status), Blue (compensation limit, fault, beam broken or normal operation)	Red (alarm status), Blue (compensation limit, fault, beam broken or normal operation)
Optical range (m)	25 - 120	25 - 120		40 - 200	40 - 200	25 - 120
Ray type	Infrared with digital encoding	Infrared with digital encoding		Infrared with digital encoding	Infrared with digital encoding	Infrared with digital encoding
Protected area dimensions	1600 m2 (standards EN54-14 / UNI 9795)	1600 m2 (standards EN54-14 / UNI 9795)		1600 m2 (standards EN54-14 / UNI 9795)	1600 m2 (standards EN54-14 / UNI 9795)	1600 m2 (standards EN54-14 / UNI 9795)
Drift compensation	Yes	Yes		Yes	Yes	Yes
Polarity inversion protection	Yes	Yes		Yes	Yes	Yes
Alarm level adjustment	Yes, 4-position selector switch	Yes, 4-position selector switch		Yes, 4-position selector switch	Yes, 4-position selector switch	Yes, 4-position selector switch
Certification standard	EN54-12	EN54-12		EN54-12	EN54-12	EN54-12
Conformity and certifications	N/A	N/A		N/A	N/A	ATEX - INERIS 13ATEX0057X IECEx INE13.0076X
HARDWARE SPECIFICATIONS						
Dimensions (LxHxD - mm)	247x146x114	247x146x114		247x146x114	247x146x114	290x255x172
IP protection rating	IP65	IP65		IP65	IP65	IP65
Type of finish	Polycarbonate	Polycarbonate		Polycarbonate	Polycarbonate	Light alloy in ATEX application
Weight (g)	900	900		900	900	1600
Operating temperature	-10 - 55	-10 - 55		-10 - 55	-10 - 55	-10 - 55
Operating humidity (max. % rh)	(93±3)% @ 40 °C	(93±3)% @ 40 °C		(93±3)% @ 40 °C	(93±3)% @ 40 °C	(93±3)% @ 40 °C
Max. angular misalignment of the optical part (±, °)	0.2	0.2		0.2	0.2	0.2
Cross-section for terminals (mm²)	0.2 - 1.5	0.2 - 1.5		0.2 - 1.5	0.2 - 1.5	
ELECTRICAL SPECIFICATIONS						
Power supply	12-24 VDC (-10%-+15%)	12-24 VDC (-10%-+15%)		12-24 VDC (-10%-+15%)	12-24 VDC (-10%-+15%)	12-24 VDC (-10%-+15%)
Receiver rx consumption in standby (mA)	18.6	18.6		18.6	18.6	18.6
Receiver rx consumption (mA)	34 with alarm relay active; 50 with alarm and fault relays active	34 with alarm relay active; 50 with alarm and fault relays active		34 with alarm relay active; 50 with alarm and fault relays active	34 with alarm relay active; 50 with alarm and fault relays active	34 with alarm relay active; 50 with alarm and fault relays active
Transmitter tx consumption (mA)	9.5	9.5		9.5	9.5	9.5
Number of alarm relay outputs	2, Clouding and Turbulence	1, Clouding		2, Clouding and Turbulence	1, Clouding	1, Clouding
Number of fault relay outputs	1	1		1	1	1
Alarm relay trigger delay (s)	10	10		10	10	10
Fault relay trigger delay (s)	5	5		5	5	5
Relay contact capacity	1 A@24 VDC	1 A@24 VDC		1 A@24 VDC	1 A@24 VDC	1 A@24 VDC
Analogue output	0-5 V for signal strength reading	0-5 V for signal strength reading		0-5 V for signal strength reading	0-5 V for signal strength reading	0-5 V for signal strength reading

BEAM DETECTORS RANGE

BEAM SMOKE DETECTORS

			
	48BFC000	**48BFC002**	**48BFC003**
MAIN FEATURES			
Built-in laser pointer	Yes	Yes	Yes
LED indicators	1	1	1
Optical range (m)	3 - 30	5 - 50	50 - 100
Protected area dimensions	1600 m2 (standards EN54-14 / UNI 9795)	1600 m2 (standards EN54-14 / UNI 9795)	1600 m2 (standards EN54-14 / UNI 9795)
Polarity inversion protection	Yes	Yes	Yes
Certification standard	EN54-12	EN54-12	EN54-12
HARDWARE SPECIFICATIONS			
Dimensions (LxHxD - mm)	115x115x78	128x80x84	128x80x84
IP protection rating	IP41	IP40	IP40
Type of finish	ABS	ABS	ABS
Colour	White	White	White
Weight (g)	700	350	350
Operating temperature (°C)	-10 - 55	-25 - 55	-25 - 55
Operating humidity (max. % rh)	(93±3)% @ 40 °C	(93±3)% @ 40 °C	(93±3)% @ 40 °C
Wavelength (nm)	940		
Max. angular misalignment of the optical part (±, °)	0.35	0.5	0.5
Max. angular misalignment of the reflector (±, °)	5	5	5
Max. angular movement of the optical part (±, °)	1.8		
Cross-section for terminals (mm²)	0.5 - 1.5	0.5 - 1.5	0.5 - 1.5
ELECTRICAL SPECIFICATIONS			
Power supply	13-28	13-28	13-28
Current in standby (@24 vdc - mA)	2.8	8-30	8-30
Current in alarm (@24 vdc - mA)	12	20-100	20-100

GAS DETECTION RANGE

GAS DETECTION CONTROL PANELS





	47CPG424	47CPG408
MAIN FEATURES		
Display	Yes	Yes
Multilingual display menu	Yes	Yes
Number of keys on the backlit keypad	18	8
Sensor series that can be connected	Art.47RTSxxx, 47TS255CB	Art.47RTSxxx, 47TS255CB
Pre-programmed sensors	Yes	Yes
Internal buzzer	Yes	Yes
Number of password-protected access levels	3	3
Maximum number of log events	100	100
Displaying gas levels in real time	Yes	Yes
Reset function	Yes	Yes
FW update via sd card	Yes	Yes
Programming and event log backup to sd card	Yes	
Number of system status LEDs	3	3
Number of trigger thresholds	3	3
Fault trigger threshold	Yes	Yes
Programmable trigger thresholds	Yes	Yes
Programmable zone trigger thresholds	Yes	Yes
And/or/parking op.log. (Italian d.M. 1/2/86 O EN50545-1) zone usage	Yes	Yes
HARDWARE SPECIFICATIONS		
Dimensions (LxHxD - mm)	379x241x133	379x241x133
IP protection rating	IP42	IP42
Type of finish	Plastic	Plastic
Display backlight colour	Colour	White
Weight (g)	2200	2200
Operating temperature (°C)	5 - 40	5 - 40
Operating humidity (max. % RH)	5-90% RH	5-90% RH
ELECTRICAL SPECIFICATIONS		
Power supply voltage	90-264 VAC / 47-63 Hz	90-264 VAC / 47-63 Hz
Backup power supply (batteries not provided)	2 x 12 V 1.1 Ah (Art. 30076001)	2 x 12 V 1.1 Ah (Art. 30076001)
Number of linear inputs 4-20 mA	4 as standard, + 4 (with art. 47ESP040), + 16 (with 2 art. 47ESP080)	4 as standard, + 4 (with card art. 47ESP040)
Sensor input power supply	24 VDC (-10%/+15%)	24 VDC (-10%/+15%)
Maximum current delivered by the power supply unit	2.7 A@27.6 VDC	2.7 A@27.6 VDC
Number of programmable outputs	5 as standard, + 4 (with card art. 47REL040) + 16 (with 2 art. 47ESP080 and 4 art. 47SER080)	5 as standard, + 4 (with card art. 47REL040)
Relay contact capacity	3 A@230 VAC, 2 A@30 VDC	3 A@230 VAC, 2 A@30 VDC
Number of instant alarm inputs (mm)	1	1
Input internal load resistance (ff)	100	100
Number of control panel-sensor cables	3	3
Maximum distance of the detector with shielded cable 3x0.75 mm²	300	300
Maximum distance of the detector with shielded cable 3x1.5 mm²	500	500
Maximum distance of the detector with shielded cable 3x2.5 mm²	800	800

GAS DETECTION CONTROL PANELS





	47ESP040	47ESP080
MAIN FEATURES		
Sensor series that can be connected	Art.47RTSxxx, 47TS255CB	Art.47RTSxxx, 47TS255CB
Data transmission with gas detection control panel	Dedicated internal bus	Via RS485
Dimensions (LxHxD - mm)	50x40x30	290x220x80
Type of finish	-	Plastic
Weight (g)	25	1400
Operating temperature (°C)	5 - 40	5 - 40
ELECTRICAL SPECIFICATIONS		
Power supply voltage	24 VDC (internal power supply)	230 VAC (-15%-+10%) / 50 Hz
Backup power supply (batteries not provided)	-	1 x 12 VDC 2 Ah (Art. 20022204)
Number of linear inputs 4-20 mA	4	8
Sensor input power supply	20 VDC (-10%-+15%)	20 VDC (-10%-+15%)
Number of programmable outputs	-	8 with 2 x 47SER080
Optional board relay capacity	-	3A (resistive) / 1A (inductive) / 250 VAC
Input internal load resistance (ff)	200	200
Number of control panel-sensor cables	3	3
Maximum distance of the detector with shielded cable 3x1.5 mm²	500	500
Maximum distance of the detector with shielded cable 3x2.5 mm²	800	800

GAS DETECTION RANGE

GAS DETECTION CONTROL PANELS



	47CDG206
MAIN FEATURES	
Display	Yes
Multilingual display menu	Yes
Number of keys on the backlit keypad	4
Application on DIN rail	Yes
Number of DIN modules	4
Sensor series that can be connected	Art.47RTSxxx, 47TS255CB
Pre-programmed sensors	Yes
Internal buzzer	Yes
Number of password-protected access levels	3
Displaying gas levels in real time	Yes
Number of system status LEDs	3
Programmable trigger thresholds	Yes
HARDWARE SPECIFICATIONS	
Dimensions (LxHxD - mm)	90x60x71
Type of finish	Plastic
Display backlight colour	Amber
Weight (g)	195
Operating temperature (°C)	5 - 40
ELECTRICAL SPECIFICATIONS	
Power supply voltage	12-24 VDC (-10%-+15%)
Number of linear inputs 4-20 mA	2 as standard, + 4 (with card art. 47EDG020)
Sensor input power supply	20 VDC (-10%-+15%)
Maximum input current	15 VA
Number of outputs	3 Alarm (cumulative), 1 Fault
Relay contact capacity	3 A@230 VAC, 2 A@30 VDC
Input internal load resistance (Ω)	200
Number of control panel-sensor cables	3
Maximum distance of the detector with shielded cable 3x1.5 mm²	300
Maximum distance of the detector with shielded cable 3x2.5 mm²	600

GAS DETECTION CONTROL PANELS AND ACCESSORIES






	47EDG020	47ADG206	47BDL012	47ADB012
MAIN FEATURES				
Application on DIN rail	Yes	Yes	Yes	Yes
Number of DIN modules	2	3	3	3
Autonomy with full configuration (min)			40	
Sensor series that can be connected	Art.47RTSxxx, 47TS255CB			
Programmable zone trigger thresholds	Yes			
HARDWARE SPECIFICATIONS				
Type of finish	Plastic	Plastic	Plastic	Plastic
Operating temperature (°C)	5 - 40	5 - 40		
ELECTRICAL SPECIFICATIONS				
Power supply voltage		230 (-15%/+10%) / 50 Hz		230 (-15%/+10%) / 50 Hz
Number of linear inputs 4-20 mA	2			
Number of expansion-sensor cables	3			
Number of expansion-control panel cables art. 47CDG206	4			
Output voltage			10.8 VDC	12 VDC
Capacity (Ah)			1.7	

GAS DETECTION RANGE

GAS DETECTION CONTROL PANELS

		
	47CMZ001	**47CPZ003**
MAIN FEATURES		
Sensor series that can be connected	Art.47SE192KM, 47SE192KG	Art.47SE192KM, 47SE192KG
Displaying gas levels in real time	Yes	Yes
Reset function	Yes	Yes
Number of trigger thresholds	2	2
Alarm threshold 1	10% LEL	10% LEL
Alarm threshold 2	20% LEL	20% LEL
HARDWARE SPECIFICATIONS		
Dimensions (LxHxD - mm)	202x153x104	202x153x104
IP protection rating	IP65	IP65
Type of finish	Plastic	Plastic
Weight (g)	700	700
Operating temperature (°C)	-10 - 50	-10 - 50
Operating humidity (max. % RH)	5-90% RH	5-90% RH
ELECTRICAL SPECIFICATIONS		
Power supply voltage	230 Vac/12-24 Vac (-15%-+10%)/50 Hz/3 Va, 12-24 VDC (-10%-+15%)/1.5 W	230 Vac (-15%-+10%)/50 Hz/8 Va, 24 VDC (-10%-+15%)/9 W
Number of linear inputs 4-20 mA	1	3
Relay contact capacity	3 A@230 VAC, 2 A@30 VDC	3 A@230 VAC, 2 A@30 VDC
No. of solenoid valve aux inputs with magnetic sensor	1	1
Number of control panel-sensor cables	3	3
Maximum distance of the detector with shielded cable 3x1.5 mm²	100	100
Maximum distance of the detector with shielded cable 3x2.5 mm²	200	200

GAS DETECTORS

		
	47SE192KM	**47SE192KG**
MAIN FEATURES		
Type of gas detected	METHANE	LPG
Sensor type	Catalytic	Catalytic
Average cartridge life (years - clean air)	5	5
Installation height (m)	0.3 ceiling	0.3 floor
HARDWARE SPECIFICATIONS		
Dimensions (LxHxD - mm)	82x112x70	82x112x70
IP protection rating	IP44	IP44
Operating humidity (RH - % - non-condensing)	5 - 90	5 - 90
Storage temperature (°C)	-25 - 55	-25 - 55
Storage humidity (RH - % - non-condensing)	5 - 95	5 - 95
Maximum storage time (months)	18	18
ELECTRICAL SPECIFICATIONS		
Power supply	12-24 VDC (-10%-+15%)	12-24 VDC (-10%-+15%)
Consumption (W)	2	2
Number of outputs 4-20 ma linear	1	1
Measurement range (% lel)	0 - 20	0 - 20
Sensor operating limit (% lel)	50	50
Maximum long-term drift (%/month)	0.4	0.4
Maximum response time (t90 - s.)	30	30

GAS DETECTION RANGE

GAS DETECTORS

										
	47TS255CB	**47RTS282KM 47TS282KM ***	**47RTS282KG 47TS282KG ***	**47RTS282KI 47TS282KI ***		**47RTS282KB 47TS282KB ***	**47RTS282EO 47TS282EO ***	**47RTS282EC-S 47TS282EC-S ***	**47RFM000**	**47RFG000**
MAIN FEATURES										
Type of gas detected	Carbon monoxide (CO), gasoline vapours	Methane	LPG	Hydrogen		Gasoline vapours	Oxygen	Carbon monoxide (CO)	Methane	LPG
Sensor type	Electrochemical, Catalytic	Catalytic	Catalytic	Catalytic		Catalytic	Electrochemical	Electrochemical	Catalytic	Catalytic
Interchangeable cartridge	Yes	Yes	Yes	Yes		Yes	Yes	Yes		
Average cartridge life (years - clean air)	3 (CO), 5 (VB)	5	5	5		5	2	3	4	4
Installation height (m)	1.6		0.3			0.4	1.6	1.6		0.3
Installation height (cm from ceiling)		30		30					30	
Keys for calibration and check with code	2	2	2	2		2	2	2		
Alarm levels programming with dip-switches		Yes	Yes	Yes		Yes	Yes	Yes		
HARDWARE SPECIFICATIONS										
Dimensions (LxHxD - mm)	166.5x17.5x70	238x106x75	238x106x75	238x106x75		238x106x75	238x106x75	238x106x75	86x140x43	86x140x43
IP protection rating	IP65	IP65	IP65	IP65		IP65	IP65	IP65	IP42	IP42
Number of status LEDs	5	5	5	5		5	5	5	3	3
Operating temperature (°C)	-20-50	-10-50	-10-50	-10-50						
Operating humidity (rh - % - non-condensing)	15 - 90	10 - 90	10 - 90	10 - 90		10 - 90	15 - 90	15 - 90	30 - 90	30 - 90
Storage temperature (°C)	0 - 20	-20 - 55	-20 - 55	-20 - 55		-20 - 55	0 - 20	0 - 20	-10 - 40	-10 - 40
Storage humidity (Rh - % - non-condensing)	5 - 95	5 - 95	5 - 95	5 - 95		5 - 95	5 - 95	5 - 95	5 - 95	5 - 95
Maximum storage time (months)	3						3	3		
ELECTRICAL SPECIFICATIONS										
Power supply	12-24 VDC (-10%-+15%)	12-24 VDC (-10%-+15%)	12-24 VDC (-10%-+15%)	12-24 VDC (-10%-+15%)		12-24 VDC (-10%-+15%)	12-24 VDC (-10%-+15%)	12-24 VDC (-10%-+15%)	230 VAC	230 VAC
Consumption (w)	3	3	3	3		3	2	2	4	4
Number of outputs 4-20 ma linear	2	1	1	1		1	1	1		
Number of alarm relay outputs		3	3	3		3	3	3	1	1
Number of fault relay outputs		1	1	1		1	1	1		
Relay contact capacity		1 A@24 VDC	1 A@24 VDC	1 A@24 VDC		1 A@24 VDC	1 A@24 VDC	1 A@24 VDC	8 A@250 VAC / 30 VDC	8 A@250 VAC / 30 VDC
Measurement (parts per million)	0 - 300							0 - 300		
Measurement range (% lel)	0 - 20	0 - 20	0 - 20	0 - 20		0 - 20	0 - 25			
Detection accuracy	±10%	±10%	±10%	±10%		±10%	±2%	±10%		
Sensor operating limit (Parts per million)	1500							1000		
Sensor operating limit (% lel)	30	25	25	25		25	30			
Maximum long-term drift (%/month)	0.4						2	2		
Maximum long-term drift (%/Year)	5	4	4	4		4				
Maximum response time (t90 - s.)	60	60	60	60		60	20	60		
Load resistance	50Ω@12 VDC (-10%) / 500Ω@24 VDC (-10%)							50Ω@12 VDC (-10%) / 500Ω@24 VDC (-10%)		
Sound signal level (db[a]@1 m)									85	85

***NOTE:** option with same specifications but without built-in relay.*

ATEX RANGE

ZENER BARRIER WITH INTERNAL SECURITY





	48BAZ000	48BAZ001
MAIN FEATURES		
DIN rail mounted	Yes	Yes
Certification standard	CE 0081 II (1/2) G [Eex ia/ib] IIC/IIB/PTB 01 ATEX 2088	CE 0359 II (1) GD [Eex ia] IIC/BAS 01 ATEX 7005
HARDWARE SPECIFICATIONS		
Height (mm)	104	70
Width (mm)	70	80
Depth (mm)	12.2	10
IP protection rating	IP20	IP20
Material	Polyamide 6GF	Polycarbonate
Weight (g)	110	200
Operating temperature (°C)	-20 - 60	-20 - 60
Cross-section of cables (mm²)	0.5 - 2.5	0.5 - 2.5
ELECTRICAL SPECIFICATIONS		
Power supply voltage (vdc)	24	15-28

HEAT/SMOKE DETECTORS





	48RCX000	48RFX000
MAIN FEATURES		
Type of detection point	Heat detector/rate-of-rise detector	Optical smoke detector
LED indicators	1	1
Certification standard	EN54-5, CE 0081 II (1) G [Eex ia] IIC T6/LCIE 03 ATEX 6350 X	EN54-7, CE 0081 II (1) G [Eex ia] IIC T6/LCIE 03 ATEX 6350 X
HARDWARE SPECIFICATIONS		
Dimensions (øxh - mm - includes base)	104x55	104x55
IP protection rating	IP32	IP32
Type of finish	ATEX ABS	ATEX ABS
Colour	White	White
Weight (g)	110	130
Operating temperature (°C)	-20 - 55	-20 - 55
Operating humidity (max. % RH)	(93±3)% @ 40 °C	(93±3)% @ 40 °C
Storage temperature (°C)	10 - 50	10 - 50
Cross-section for terminals (mm²)	0.5 - 2.5	0.5 - 2.5
ELECTRICAL SPECIFICATIONS		
Power supply	10 - 28 VDC	10 - 28 VDC
Nominal consumption (standby)	<150 Ma@20@20 VDC	<150 Ma@20@20 VDC
Input current in alarm status	24 mA±2 mA	24 mA±2 mA

SOUNDER



	ISMA1
MAIN FEATURES	
Number of tones available (no.)	49
EN standards	EN54-3
ATEX certifications	II 1G Ex ia IIC T4 Ga
ATEX installation zones	Zone 0, Zone 1, Zone 2
HARDWARE SPECIFICATIONS	
IP protection rating	IP65
Type of finishing materials	ABS
Product colour	Red, RAL 3000
Cross-section for terminals (mm)	0.5 - 2.5
Operating temperature (°C)	-40 - 60
Height (mm)	98
Diameter (mm)	86
Product weight (g)	230
Cable gland hole	2 x M20
Cable glands supplied	No
ELECTRICAL SPECIFICATIONS	
Power supply voltage	16-28 VDC
Maximum consumption (mA)	25
Sounder sound power	Max. 100 dB(A); min. 90 dB(A) – Tone 2

FIRE ALARM BUTTONS



	48PAX000
MAIN FEATURES	
Certification standard	CE 0359 II (1) G [Eex ia] IIC T4/BAS 00 ATEX 1067
HARDWARE SPECIFICATIONS	
Width (mm)	98
Height (mm)	98
Depth (mm)	50.4
IP protection rating	IP33
Material	ATEX ABS
Weight (g)	160
Fragile element type	Resettable
Operating temperature (°C)	-20 - 55
Cross-section for terminals (mm²)	0.5 - 2.5
ELECTRICAL SPECIFICATIONS	
Power supply voltage	13-28 (20 VDC Nominal)
Consumption (standby)	<150 Ma@20@20 VDC
Input current in alarm status	24 mA±1 mA

COMMON ACCESSORIES RANGE

LINEAR THERMAL CABLES





	48CTR068	48CTR105
MAIN FEATURES		
Cable type	Non-resettable linear thermal cable, 68 °C	Non-resettable linear thermal cable, 105 °C
Wires	Copper cable, Ø 0.95 mm	Copper cable, Ø 0.95 mm
Sheath insulation	Extruded thermoplastic sensitive to high temperatures	Extruded PVC 105 °C sensitive to high temperatures
Alarm temperature range (°C)	54 - 70	99 - 115
Certification standard	EN54-28	EN54-28
HARDWARE SPECIFICATIONS		
Cable dimensions (mm)	4.3	4.5
Colour	Red	Black
Unit weight (kg / km)	25	26
Max. operating temperature (°C)	40	60
Max. storage temperature (°C)	40	40
ELECTRICAL SPECIFICATIONS		
Nominal voltage (v)	100	100
Wire resistance @ 20 °C	≤ 290 Ω/km	≤ 290 Ω/km

ADDITIONAL POWER SUPPLY UNITS





	EN54C-2A17	EN54C-5A17
MAIN FEATURES		
Model	2A Additional power supply unit	5A Additional power supply unit
Surface mounting	Yes	Yes
Visual indications	Yes, via LED	Yes, via LED
Certification standard	EN54-4 / EN12101-10	EN54-4 / EN12101-10
Tamper protection	YES (door opening)	YES (door opening)
Temperature sensor	Yes	Yes
Cable glands supplied	Yes	Yes
HARDWARE SPECIFICATIONS		
Dimensions (LxHxD - mm)	390x406x96	390x406x96
Material	Metal	Metal
IP protection rating	IP30	IP30
Product weight without battery (kg)	4.1	4.9
Operating temperature (°C)	-5 - 40	-5 - 40
ELECTRICAL SPECIFICATIONS		
Power supply	220-240 VAC	220-240 VAC
Frequency (Hz)	50 (± 10%)	50 (± 10%)
Nominal output voltage (VDC)	24	24
Output voltage range (VDC)	20 - 27.6	20 - 27.6
Capacity range of permitted batteries (Ah)	7 - 20	7 - 20
Maximum current delivered by the power supply unit (A)	2	5
Output direct current Imax at (A)	1.2	4.2
Maximum battery circuit resistance (Mff)	300	300
Maximum battery charge (A)	0.8	0.8
Power supply unit current consumption (battery operation) (mA)	52	55
Low voltage disconnection threshold	<20 VDC	<20 VDC
NO. of fault indication inputs (NO.)	1	1
Fault indications	1 fault relay + 1 network status relay (voltage-free contact)	1 fault relay + 1 network status relay (voltage-free contact)
Relay contact capacity	1A @ 30 VDC / 50 VAC	1A @ 30 VDC / 50 VAC

COMMON ACCESSORIES RANGE

APPROVED TELEPHONE DIALLERS





	CT440EN	CT400EN
MAIN FEATURES		
Multilingual display menu	Yes	Yes
Can be interfaced with alarm receiving centre (arc)	IRIS Secure Apps or IRIS Management Suite	IRIS Secure Apps or IRIS Management Suite
Alarm protocols	SIA (levels 0 to 3); Contact ID; Scancom Fats Format; Tellim; Robofon	SIA (levels 0 to 3); Contact ID; Scancom Fats Format; Tellim; Robofon
Antenna connection	SMA port	SMA port
Sms management	Yes	Yes
Certification standard	EN54-21 CPR; EN50131-1:2006; EN50136-1:2012/-2:2013 (grade 4); VDS; INCERT	EN54-21 CPR; EN50131-1:2006; EN50136-1:2012/-2:2013 (grade 4); VDS; INCERT
HARDWARE SPECIFICATIONS		
Board dimensions	150 x 110 mm	150 x 110 mm
Plastic box dimensions (LxHxD - mm)	307x257x90	307x257x90
Colour	White	White
Touch-screen display	Yes	Yes
Ethernet ports	2	
Operating temperature (°C)	-10 - 55	-10 - 55
Operating humidity (max. % RH)	(93±3)% @ 40 °C	(93±3)% @ 40 °C
ELECTRICAL SPECIFICATIONS		
Power supply voltage	9-28 VDC	9-28 VDC
Nominal consumption	153 mA	151 mA
Number of relay outputs	4	4
Input pins	4	4
Pin input voltage	0 V - 12 VDC	0 V - 12 VDC
Pin input alarm / reset voltage	<1 V (alarm) / >2 V (reset)	<1 V (alarm) / >2 V (reset)
Relay outputs	100 mA @ 24 VDC Max.	100 mA @ 24 VDC Max.

ELECTROMAGNETIC DOOR HOLDERS













	48FME051	48FME052	48FME053	48FME101	48FME102	48FME103
MAIN FEATURES						
Length of backplate (mm)		150	300		150	300
Certifications	EN1155	EN1155	EN1155	EN1155	EN1155	EN1155
ELECTRICAL SPECIFICATIONS						
Power supply voltage	24 VDC	24 VDC	24 VDC	24 VDC	24 VDC	24 VDC
Power (min/max w)	0.6 - 1.44	1.44	1.44	1.2 - 2.4	2.4	2.4
Consumption (mA)	25 - 60	60	60	50 - 100	100	100
Retaining force (min/max kg)	25 - 50	50	50	50 - 100	100	100

PA/VA RANGE

PA/VA CONTROL PANELS






	49CCO100	49CCO101	49CCO104	49CCO106
MAIN FEATURES				
Model	Logivox 1-Zone PA/VA control panel 250 W	Logivox 2-Zone PA/VA control panel 250+250 W	Logivox 4-Zone PA/VA control panel 500 W	Logivox 6-Zone PA/VA control panel 500 W
Number of audio zones	1	2	4	6
Number of amplifiers	1	2	2	2
Backup amplifier (reserve)		Yes	Yes	Yes
Option for automatic backup amplifier cut-in		Yes, "Preserve Amp."	Yes, "Preserve Amp."	Yes, "Preserve Amp."
Loudspeaker line for each zone A and B (line redundancy)	Yes	Yes	Yes	Yes
RJ45 socket for LINK connection between control panels	Yes	Yes	Yes	Yes
Maximum number of control panels in link	6 LogiVox or 6 Logivox +1 LogiFire	6 LogiVox or 6 Logivox +1 LogiFire	6 LogiVox or 6 Logivox +1 LogiFire	6 LogiVox or 6 Logivox +1 LogiFire
Front input for emergency microphone	Yes	Yes	Yes	Yes
No. of BUS lines for connection of microphone stations	3 (BUS EMG, BUS SRV, BUSP)	3 (BUS EMG, BUS SRV, BUSP)	3 (BUS EMG, BUS SRV, BUSP)	3 (BUS EMG, BUS SRV, BUSP)
Connection of microphone stations with RJ45 connection	Yes	Yes	Yes	Yes
No. of stations that can be connected to the BUS EMG (Emergency)	2	2	2	2
No. of stations that can be connected to the BUS SRV (Service)	7	7	7	7
No. of stations that can be connected to the BUSP (Service for 49PMS101)	8	8	8	8
No. of AUX analogue inputs for connection of external audio sources	2	2	2	2
No. of USB ports for music playback (MP3 files)	2	2	2	2
Balanced analogue input (PABX) with priority contact on music	Yes	Yes	Yes	Yes
"0dB" audio signal output	1	1	1	1
1W front speaker	Yes	Yes	Yes	Yes
Independent volume control for each zone			Yes	Yes
Signal equalising for each audio source	Yes	Yes	Yes	Yes
Continuous microphone capsule monitoring	Yes	Yes	Yes	Yes
No. of log events	4096 per Log (Fault and System)	4096 per Log (Fault and System)	4096 per Log (Fault and System)	4096 per Log (Fault and System)
HARDWARE SPECIFICATIONS				
Dimensions (LxHxD - mm)	430x710x280	430x710x280	430x710x280	430x710x280
Installation	Surface-mounted and Rack (49BRM100 optional)	Surface-mounted and Rack (49BRM100 optional)	Surface-mounted and Rack (49BRM100 optional)	Surface-mounted and Rack (49BRM100 optional)
IP protection rating	IP30	IP30	IP30	IP30
Housing material	Metal	Metal	Metal	Metal
Product colour	Grey, RAL 7045	Grey, RAL 7045	Grey, RAL 7045	Grey, RAL 7045
Product weight without battery (kg)	20.9	21.9	29.8	
Operating temperature (°C)	5 - 40	5 - 40	5 - 40	5 - 40
Display size (")	4.3	4.3	4.3	4.3
Display resolution (pixels)	480x272	480x272	480x272	480x272
ELECTRICAL SPECIFICATIONS				
Power supply voltage	230 VAC (+/-10%), 50 Hz	230 VAC (+/-10%), 50 Hz	230 VAC (+/-10%), 50 Hz	230 VAC (+/-10%), 50 Hz
Maximum total audio power (W)	250	500	500	500
Maximum audio power per individual audio zone (W)	250	250	500	500
Programmable monitored inputs (no.)	8	8	8	8
Relay outputs	3, configurable	3, configurable	3, configurable	3, configurable
Relay contact capacity	Max. 30 Vdc - 1A - NO/NC	Max. 30 Vdc - 1A - NO/NC	Max. 30 Vdc - 1A - NO/NC	Max. 30 Vdc - 1A - NO/NC
BATTERIES				
Number of batteries	2	2	2	2
Battery type	2 x 12 V (33 Ah to 42 Ah)	2 x 12 V (33 Ah to 42 Ah)	2 x 12 V (33 Ah to 42 Ah)	2 x 12 V (33 Ah to 42 Ah)
Maximum current (A)	25	25	25	25
Battery level check	Yes	Yes	Yes	Yes

MICROPHONE STATIONS








	49BME101	49BME107	49BMC101	49BMC107	49BMD110	49PMS101
MAIN FEATURES						
Model	Logivox emergency station	Logivox emergency station	Logivox service station	Logivox service station	Logivox service station with display	Logivox service station
Stations that can be connected in cascade to the Logivox control panel (no.)	2	2	7	7	7	8
Stations compatible on the same line	49BME101, 49BME107, 49MVF101	49BME101, 49BME107, 49MVF101	49BMC101, 49BMC107, 49BMD110	49BMC101, 49BMC107, 49BMD110	49BMC101, 49BMC107, 49BMD110	49PMS101 only
Dedicated connection port on control panel (RJ45)	Yes, "BUS EMG"	Yes, "BUS EMG"	Yes, "BUS SRV"	Yes, "BUS SRV"	Yes, "BUS SRV"	Yes, "BUS P"
Maximum distance from first to last station	300	300	300	300	300	300
Number of status LEDs	2	2	2	2	2	1
Certification standard	EN54-16	EN54-16				
Shortcut buttons for sending messages					Yes	
HARDWARE SPECIFICATIONS						
Dimensions (LxHxD - mm)	146x65x186	200x65x186	146x65x186	200x65x186	250x65x186	76x50x104
Material	Steel / anodised aluminium	Steel / anodised aluminium	Steel / anodised aluminium	Steel / anodised aluminium	Steel / anodised aluminium	Aluminium
Gooseneck microphone supplied	Yes	Yes	Yes	Yes	Yes	Yes
3 m patch cable supplied	Yes	Yes	Yes	Yes	Yes	Yes (RJ25)
RJ45 port for IN/OUT station connection	Yes	Yes	Yes	Yes	Yes	With splitter 49PMS101 (supplied)
ELECTRICAL SPECIFICATIONS						
Power supply from control panel	Yes	Yes				Yes
Power supply voltage	24 VDC	24 VDC	24 VDC (power supply included)	24 VDC (power supply included)	24 VDC (power supply included)	
Type of cable for connection	CAT. 5e EIA/TIA-568B fire-resistant	CAT. 5e EIA/TIA-568B fire-resistant	CAT. 5e EIA/TIA-568B	CAT. 5e EIA/TIA-568B	CAT. 5e EIA/TIA-568B	RJ25 (for connection to control panel)
Trimmer for microphone gain adjustment	Yes	Yes	Yes	Yes	Yes	Yes
Display type					Digital LCD	

RED SURFACE-MOUNTED CABINET



	49MVF101
MAIN FEATURES	
Model	Logivox red emergency box
Stations that can be connected in cascade to the Logivox control panel (no.)	2
Stations compatible on the same line	49BME101, 49BME107, 49MVF101
Dedicated connection port on control panel (RJ45)	Yes, "BUS EMG"
Maximum distance from first to last station	300
Number of status LEDs	2
Certification standard	EN54-16
HARDWARE SPECIFICATIONS	
Dimensions (LxHxD - mm)	165x300x265
Material	Metal with glass window
PTT microphone supplied	Yes
3 m patch cable supplied	Yes
RJ45 port for IN/OUT station connection	Yes
ELECTRICAL SPECIFICATIONS	
Power supply from control panel	Yes
Power supply voltage	24 VDC
Type of cable for connection	CAT. 5e EIA/TIA-568B fire-resistant
Trimmer for microphone gain adjustment	Yes

PA/VA RANGE

EVACUATION SPEAKERS

									
	49DIR106	**49DPQ110**	**49PLA106-B**		**49PLA110-B**	**49PRB105**	**49PRM120**	**49TRM115**	**49TRM130**
MAIN FEATURES									
Certification standard	EN54-24	EN54-24	EN54-24		EN54-24	EN54-24	EN54-24	EN54-24	EN54-24
HARDWARE SPECIFICATIONS									
Dimensions (LxHxD - mm)	255x195x88	170 (ø) x 75 (H)	180 (ø) x 93 (H)		220 (ø) x 104 (H)	146 (ø) x 202 (L)	137.5 (ø) x 202 (L)	209 (ø) x 273 (L)	235 (ø) x 303 (L)
IP protection rating	IP21	IP21	IP21		IP21	IP56	IP66	IP66	IP66
Colour	White	White RAL9010	White RAL9016		White RAL9016	White RAL9016	White	RAL7035	RAL7035
Weight (g)	1400	1230	780		1100	1820	1440	2080	2270
Application type	A	A	A		A	B	B	B	B
Flush-mounted installation	Yes		Yes		Yes				
Fixing type	Cavity ceiling	Wall/Ceiling	Cavity ceiling		Cavity ceiling	Mounting backplate	Mounting backplate	Mounting backplate	Mounting backplate
Mounting hole	230 x 170 mm		dia. =160 mm		dia. =195 mm				
Operating temperature (°C)	-10 - 55	-10 - 55	-10 - 55		-10 - 55	-25 - 70	-25 - 70	-25 - 70	-25 - 70
Cross-section of cables (mm^2)	0.2 - 4	0.2 - 4	0.2 - 4		0.2 - 4	0.2 - 4	0.2 - 4	0.2 - 4	0.2 - 4
ELECTRICAL SPECIFICATIONS									
Rated power	6 / 3 / 1.5 W	10 / 6 / 3 / 1.5 W	6 / 3 / 1.5 W		10 / 5 / 2.5 W	10 / 5 / 2.5 W	20 / 10 / 5 / 2.5 W	15 / 7.5 / 3.75 / 1.9 W	30 / 20 / 10 / 5 W
Impedance (100 v)	1667/3333/6667 Ohm	1000/1667/3333/6667 Ohm	1667/3333/6667 Ohm		1000/2000/4000 Ohm	1000/2000/4000 Ohm	500/1000/2000/4000 Ohm	667/1333/2667/5263 Ohm	333/500/1000/2000 Ohm
Horizontal dispersion angle (°) 500 Hz	180	180	180		180	130	360	360	155
Horizontal dispersion angle (°) 1 kHz	180	180	180		175	170	230	110	110
Horizontal dispersion angle (°) 2 kHz	120	105	150		150	160	110	70	65
Horizontal dispersion angle (°) 4 kHz	50	50	75		94	65	58	40	35
Vertical dispersion angle (°) 500 Hz	180	180	180		180	130	360	360	155
Vertical dispersion angle (°) 1 kHz	170	180	180		175	170	230	110	110
Vertical dispersion angle (°) 2 kHz	130	105	150		150	160	110	70	65
Vertical dispersion angle (°) 4 kHz	60	50	75		94	65	58	40	35
Sound pressure level (spl) IEC268-5, 1 w/1 m, (dB)	99.1	102.2	97		97	90.7	99.5	108.5	110.1
Sound pressure level (spl) IEC268-5, 1 w/4 m (dB)	87.1	90.2	85		85	78.7	87.5	96.5	98.1
Sound pressure level (spl) IEC268-5, pmax./4 m, (dB)	94.8	100.2	92.7		94.2	88.7	100.5	108.2	112.8
Sensitivity en54-24, 1 w/4 m (dB)	80	81	78		81.4	73.6	75	83	85
Frequency range (-10 db) IEC268-5 (Hz)	93 - 23500	290 - 23400	80 - 20000		63 - 16000	100 - 20000	150 - 20000	677 - 5400	592 - 6900
Frequency response (Hz)	72 - 23500	230 - 24000	64 - 21500		56 - 18000	90 - 25000	120 - 21000	300 - 13800	250 - 15000

PROFESSIONAL FIRE
LEGEND - ICONS

EN54-2	product certification
EN54-3	product certification
EN54-4	product certification
EN54-5	product certification
EN54-7	product certification
EN54-11	product certification
EN54-12	product certification
EN54-13	product certification
EN54-16	product certification
EN54-17	product certification
EN54-18	product certification
EN54-20	product certification
EN54-21	product certification
EN54-23	product certification
EN54-25	product certification

EN1155	product certification
EN12094-1	product certification
EN12101-10	product certification
EN50200	product certification
EN50575:2016	product certification
2 LOOPS	loop
4 LOOPS	loop
8 LOOPS	loop
2 ZONES	zones
3 ZONES	zones
4 ZONES	zones
6 ZONES	zones
8 ZONES	zones
16 ZONES	zones
64 NETWORK	network

MODBUS	Modbus protocol
NETWORK TCP/IP	TCP/IP network
ESPA 4.4.4	ESPA
REDUNDANT CPU	REDUNDANT CPU
ISOLATOR	isolator
BIM	BIM
SMOKE	smoke
TEMPERATURE	temperature
COMBINED	combined (smoke and heat)
GAS	gas
EX	EX (Atex explosion protection)
ATEX	ATEX
WIRELESS	Frequency (868-869 Mhz)
BATTERY	1 x battery
2x 123A BATTERY	2 x batteries

1-IN MODULES	modules
2-IN MODULES	modules
4-IN MODULES	modules
1-OUT MODULES	modules
2-OUT MODULES	modules
4-OUT MODULES	modules
8-OUT MODULES	modules
IR FLAME	IR
1 IR FLAME	IR
2 IR FLAME	IR
3 IR FLAME	IR
UV FLAME	UV
1 UV FLAME	UV
SPARK	spark
BEAM DETECTORS	reflection

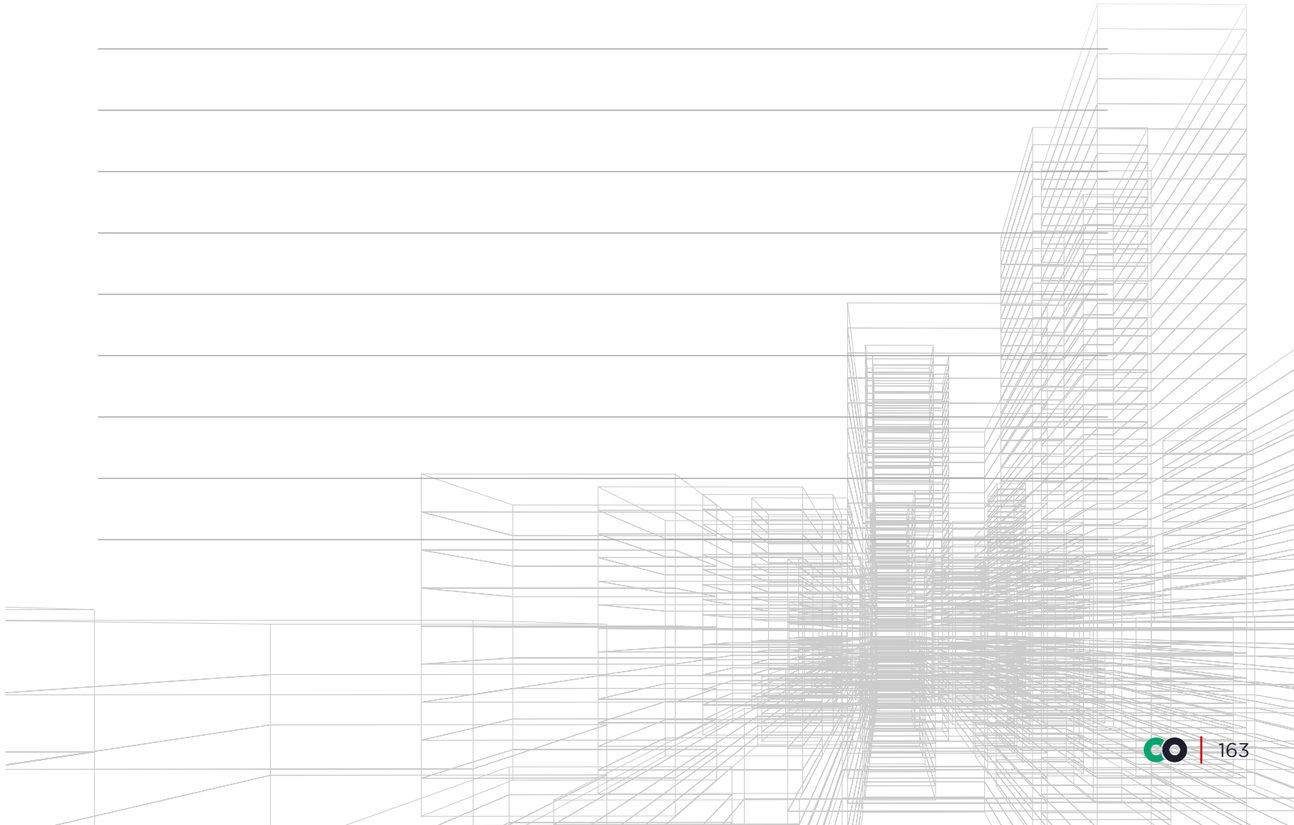
BEAM DETECTORS	TX-RX
3-30 m RANGE	range
5-50 m RANGE	range
5-100 m RANGE	range
25-120 m RANGE	range
40-200 m RANGE	range
LASER POINTER	laser
TURBULENCE	turbulence
1 CANALE ASPIRATING ASD	number of channels
2 CANALI ASD ASPIRATING	number of channels
CLASSE A ASD ASPIRATING	class
CLASSE B ASD ASPIRATING	class
CLASSE C ASD ASPIRATING	class
18 FORI ASD ASPIRATING	number of holes
36 FORI ASD ASPIRATING	number of holes

SOUNDERS	sounder
STROBE	strobe flash
32 TONES SOUNDERS	32 tones
ELECTROMAGNETS	electromagnets
ELECTROMAGNETS	electromagnets
LCD DISPLAY	LCD
LED DISPLAY	LED
7" DISPLAY	7-inch
7" TOUCH DISPLAY	7-inch touchscreen
32 LEDS	32 LEDs
IP 30 PROTECTION RATING	protection
IP 33 PROTECTION RATING	protection
IP 40 PROTECTION RATING	protection
IP 54 PROTECTION RATING	protection
IP 55 PROTECTION RATING	protection

PROFESSIONAL FIRE
LEGEND - ICONS

IP 65 PROTECTION RATING	protection
IP 66 PROTECTION RATING	protection
IP 67 PROTECTION RATING	protection
RS485 PA/VA	connectivity
500 W PA/VA SYSTEMS	power
7 INGRESSI PA/VA SYSTEMS	inputs
3 USCITE PA/VA SYSTEMS	outputs
6 W PA/VA SYSTEMS	power
5+5 W PA/VA SYSTEMS	power
10 W PA/VA SYSTEMS	power
20 W PA/VA SYSTEMS	power
>2 AUDIO IN PA/VA SYSTEMS	audio source input
4-20 mA SENSORS	sensors
1 RELAYS	relays
3+1 RELAYS	relays

CEI 20-105	product certification
PH 120	fire resistance
90 dB SPL SPEAKERS	sound level
97 dB SPL SPEAKERS	sound level
99 dB SPL SPEAKERS	sound level
102 dB SPL SPEAKERS	sound level
108 dB SPL SPEAKERS	sound level
110 dB SPL SPEAKERS	sound level
INCASSO SPEAKERS	flush-mounted
PARETE SPEAKERS	wall-mounted
SOFFITTO SPEAKERS	ceiling-mounted
SOSPENSIONE SPEAKERS	suspended
1500m COVERAGE	coverage



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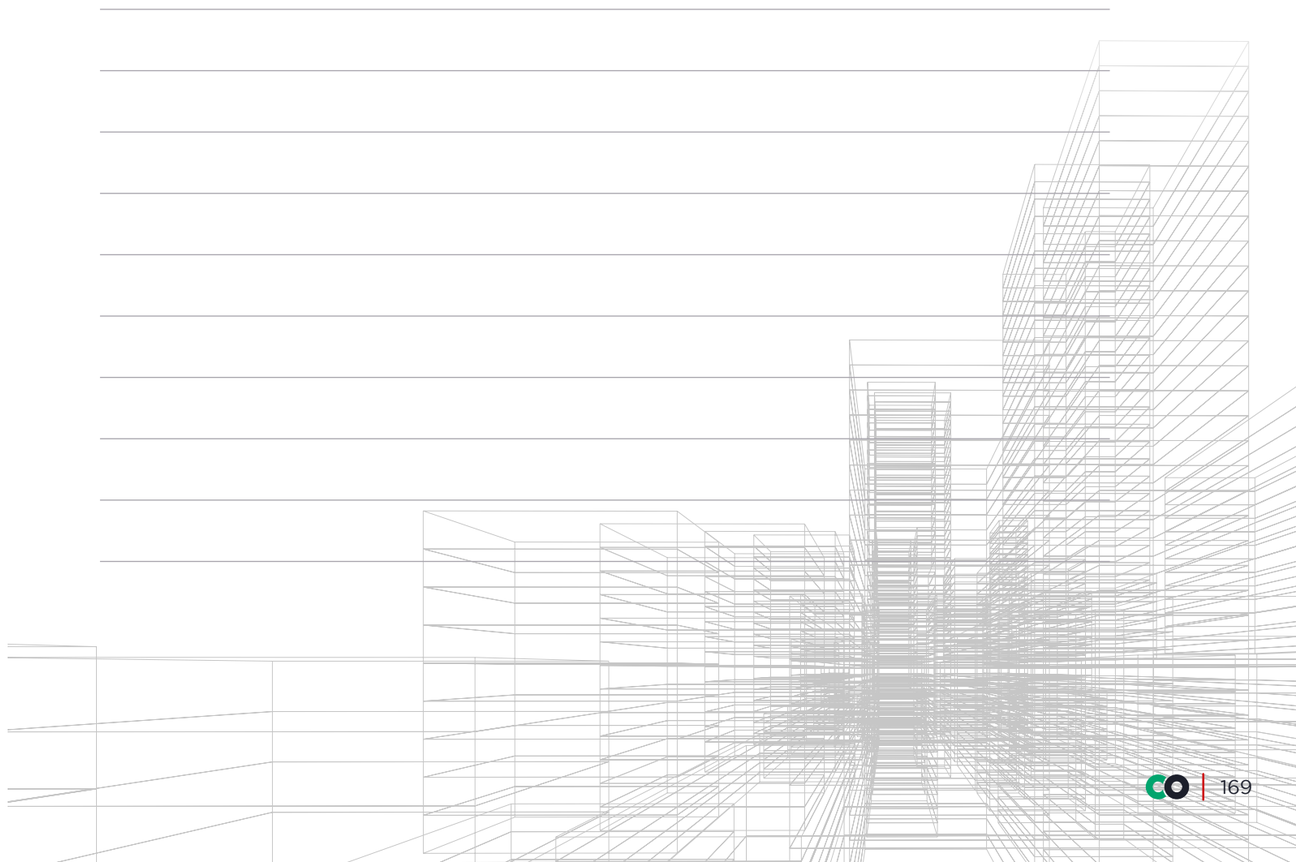

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