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, false 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. Absorption in alarm status 160 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. Certified according to EN54-20. Vds, UL and FM certification.

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MAIN FEATURES	
Detection elements	1 high sensitivity detector
Coverage area (m²)	1920
Detectors included	Yes
Alarm sensitivity	0,02% - 10% obs/m
External pipe diameter max (mm)	25
Pipe network length	200m
Class A sampling holes	16
Class B sampling holes	50
Class C sampling holes	50
Fan speed levels	1
Filter	Metallic, replaceable Art. IPS35 (2pcs.)
Flow monitoring	Yes
Programming via software	Yes
Pre-configured programming (EasyConfig)	Yes
Communication ports	USB
Event log number	430 (>16mil. with MCM35)
EN regulations	EN54-20
Other standards	Vds, UL, FM

HARDWARE SPECIFICATIONS	
IP protection rating	IP54
Product weight (g)	3255
Operating temperature (°C)	-20 ÷ 60
Operating humidity (RH max) (%)	70 ÷ 95
Height (mm)	397
Width (mm)	265
Depth (mm)	148

The technical specifications are subject to change without prior notice.

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HARDWARE SPECIFICATIONS

Material	ABS, UL 94-V0
Product color	Grey
Cross-section for terminals (mm)	0.5 ÷ 2.5

ELECTRICAL SPECIFICATIONS

Supply voltage	14÷30 VDC
Consumption in alarm status	160mA@24 VDC (max speed)
Fault/Stand-by consumption	130mA@24 VDC (max speed)
Relay	3 (alarm, fault, configurable) 1A@50 VDC
OC outputs (open collector)	3 (allarme, guasto, config.) 100 mA/30 V CC
External reset input	Yes
OEM input	Yes
	34

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