zencontrol DALI-2 Application controller **datasheet**

V 3.3
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Information is subject to change without notice, E&OE



Features

- DALI-2 certified application controller
- Compliant to DALI IEC 62386-103 Ed 2.0
- Suitable for one DALI line of up to 64 devices and 63 control devices
- 10 / 100 Ethernet gateway to connect to cloud and extended system
- Suitable for distribution board mounting on standard 35 mm DIN rail
- Automatic DALI scanning for device changes
- Automatic DALI short addressing

DALI device
Fully DALI-2 compliant and compatible

Extended
Ethernet gateway to connect to Cloud and extended system

Over-voltage
Protected against DALI over-voltage conditions

Insulated
Reinforced insulation between DALI, mains supply and Ethernet

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Product range

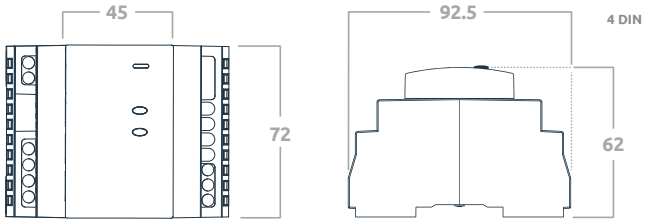
Order code	Description
zc-controller	DALI-2 Application controller and Ethernet DALI gateway

Features

- Compatible with DALI devices
- Compliant to IEC 62386-103 Ed 2.0
- DALI compliant application controller
- Protected against DALI over voltage
- LED indicators for system status
- Suitable for one line of up to 12 RS-485 motors per controller
- Suitable for distribution board mounting on standard DIN rail
- Reinforced insulation between DALI, mains supply and Ethernet
- Suitable for 1 DALI line of up to 64 devices and 63 control devices
- 10/100 TCP/IP Ethernet compatible w. standard IT switches and equipment

Dimensions

Width	Height	Length
92.5 mm	62 mm	72 mm



Specifications

Supply voltage	230 V ~ 50 Hz
Control system	DALI-2
DALI line current	2 mA
Ethernet	10/100 TCP/IP Ethernet
Wiring	1 - 4 mm^2 Strip 6 - 7 mm
Operating temperature	0 to 45°C
Material	PC
Classification	Class II
Mounting	DIN rail (35 mm)
Ingress protection	IP20
Compliance standards	IEC 61347-2-11 IEC 60950-1 CISPR 15 CISPR 22 EN 55015 EN 55022 IEC 62386-103 Ed 2.0 EMC-2004/108/EC LVD-2006/95/EC

Accessories range

Order code	Description
zc-psu	DALI-2 power supply

Notice

- Requires external DALI power supply such as ***zc-psu***
- Each motor consumes an additional DALI address i.e. with 12 blind motors connected only 52 ECGs can be connected.
- A termination resister needs to be placed at each end of the RS-485 line for reliable operation. The resistor should be matched to the impedance of the cable, typically 120 Ohm.
- Blind motors appear on controller as DALI devices and can be configured in the same manner.
- Before operation motor limits must be set using the *Somfy Digital Network™ (SDN) RS485 Motor Limit Setting & Address Reader Tool.*

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