

Features

- DALI application controller
- Compliant to DALI IEC 62386-103 Ed 2.0
- Proportional control of networked motors
- Control shades / blinds as part of lighting control network
- 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



RS-485 Blind control

Interface to suit *Somfy*
Sonnenne SDN blind motors



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



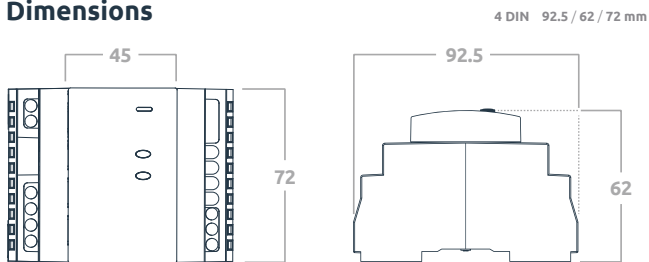
Product range

Order code	Description
zc-controller	DALI Application controller and Ethernet DALI gateway with 485 output to suit motor control

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



Specifications

Supply voltage	230 V ~ 50 Hz
Control system	DALI
DALI line current	2 mA
Ethernet	10/100 TCP/IP Ethernet
RS-485 network type	Half duplex
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 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 resistor 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*.