zencontrol

Wireless 3 channel volt free relay controller
zc-smart-relay-3-vf
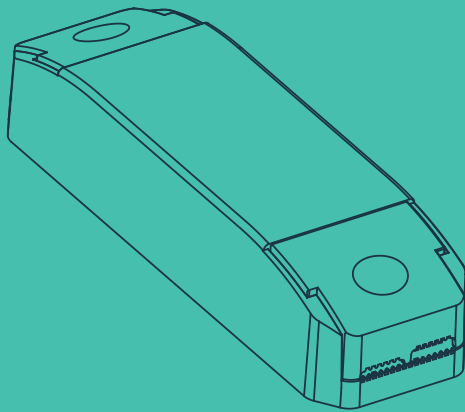
Dimensions

Mounting options	Independently mounted control for surface mounting
Fixing centres	125 mm
Dimensions	148 / 44.5 / 30 mm

M3 ←——— HOLE PICTH 125MM ———→ M3

44.5

148

30
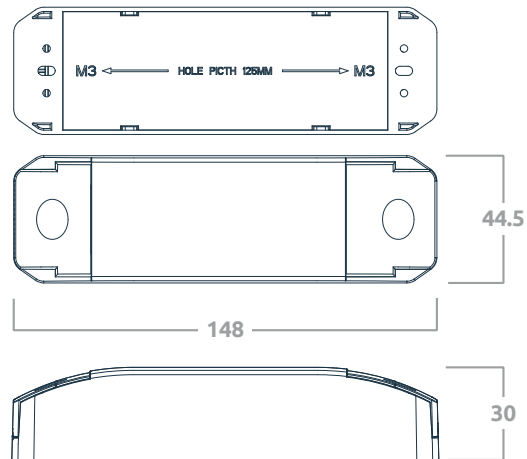
Product range

Order code	Description
zc-smart-relay-3-vf	Wireless 3 channel relay controller, field mount, dry contact / volt free

Specifications

Supply voltage	230 V ~ 50 Hz
Control system	**Wired** DALI-2 **Wireless** IEC62386-104 over Thread
Radio support	IEEE 802.15.4
Frequency band	2.4 GHz
Max radio tx power	+8 dBm
DALI line current	2 mA
Wiring	1 - 4 mm² Strip 6 - 7 mm
Output load	3A maximum
Output type	Volt free / dry contact
Output voltage rating AC	220 - 240V 50 / 60Hz
Relay type	Non-latching normally open
Operating temperature	0 to 55°C
Material	PC
Classification	Class II
Ingress protection	IP20

Safety information

- This product must only be installed by a licensed electrician.
- Before commencing installation turn off and isolate the electrical supply.
- There are no user serviceable parts, attempting to service any part of the product will void the warranty
- DALI is not SELV and as such should be treated as LV.
- As the installer, it is your responsibility to ensure you comply to all relevant building and safety codes. Refer to applicable standards for the relevant rules.
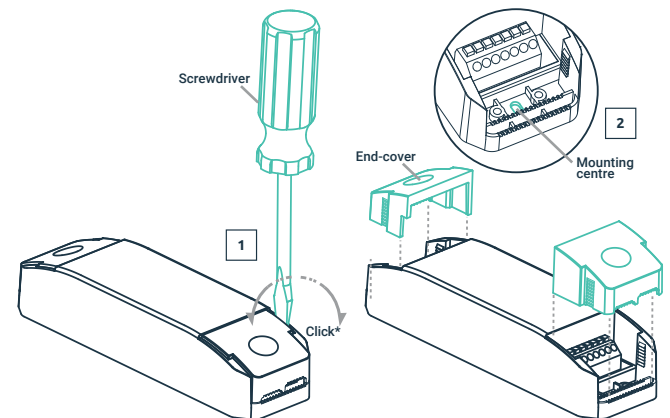
Installation

Remove the product from the box and inspect it for any damage. If you believe the product to be damaged or otherwise unsound, *do not* install the product. Please pack it back into its box and return it to the place of purchase for replacement.
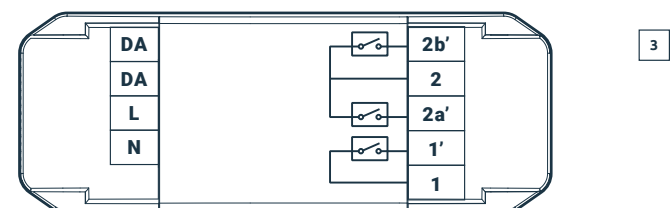
If the product is satisfactory, proceed with the installation:

1 Ensure safety warnings are adhered to**.**

2 Release the two end covers using a flatblade screwdriver **fig 1**.

3 Mount driver, **fig 2 ,**and wire the as per the wiring diagram in **fig 3**.

4 Replace end covers to ensure adequate strain relief.

⚠ **Note** relay must have an appropriate MCB to protect the load circuit.

Screwdriver

End-cover

Mounting centre

1

2

Click*

Wiring diagram

DA		2b'
DA		2
L		2a'
N		1'
		1

3

Wire preparation
1 - 4 mm²

6 - 7 mm

CE

System overview: modes

1 **104 mode** is enabled after the device has been added to a 104 application controller such as zc-iot-fc.

zc-smart-relay-3-vf
IEC 62386-208

zc-iot-fc
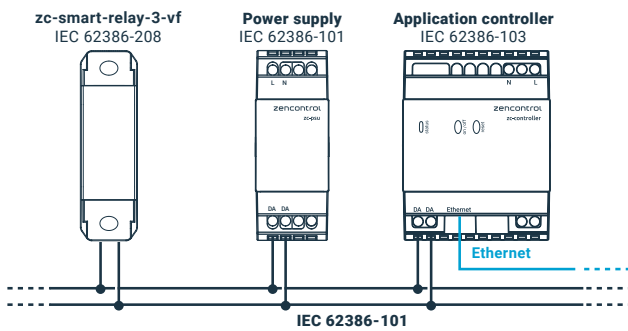IEC 62386-103

IEC 62386-104 over Thread

2 **104 + 101** Bridge mode is enabled after the device has been added to a 104 controller and a 101 power supply has been connected to the DALI terminals.

PIR sensor
IEC 62386-303

zc-psu-70
IEC 62386-101

zc-smart-relay-3-vf
IEC 62386-208

IEC 62386-101

IEC 62386-104 over Thread

zc-iot-fc
IEC 62386-103

DALI luminaire
IEC 62386-102
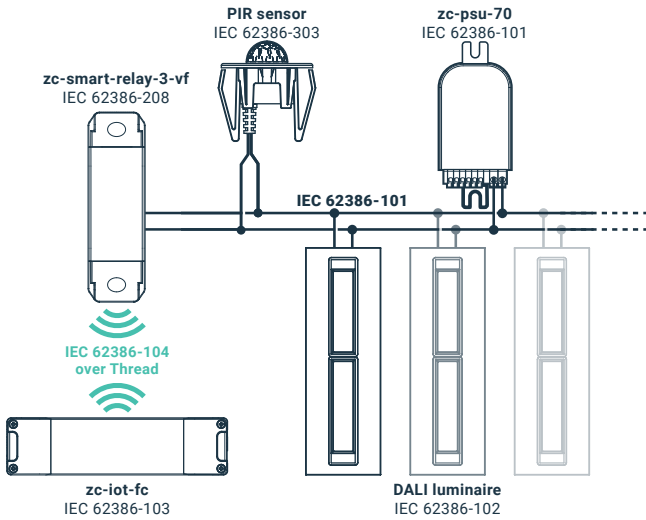
3 **101 mode** is enabled after a 101 power supply has been connected to the DALI terminal and the device **has not** been added to a 104 application controller.

zc-smart-relay-3-vf
IEC 62386-208

Power supply
IEC 62386-101

Application controller
IEC 62386-103

zencontrol
zc-psu

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zc-controller

L N

N L

DA DA

DA DA Ethernet

Ethernet

IEC 62386-101

Notice

For more information on compliant software see our website
zencontrol.com