

zencontrol

Volt free inline relay datasheet



Product range

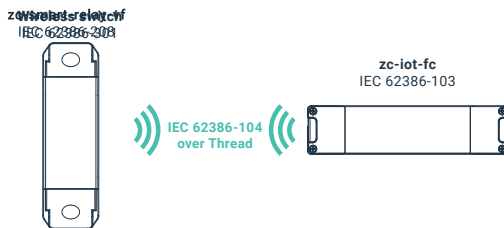
Order code	Description
zc-smart-relay-vf	Wired / wireless DALI high current volt free relay

Features

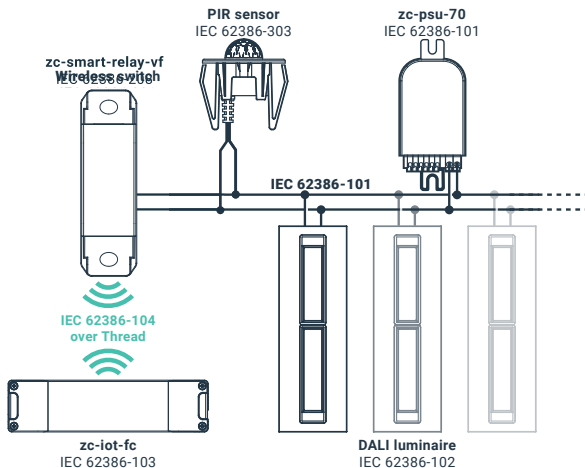
- For use with DALI control system
- Compatible with DALI and DALI-2
- Supports IEC 62386-104 over Thread®
- Protected against DALI over voltage
- Volt free high current relay output
- Converts DALI ECGs and ECDs to a wireless system
- Compliant to IEC 62386-208
- DALI device type 7

System overview: modes

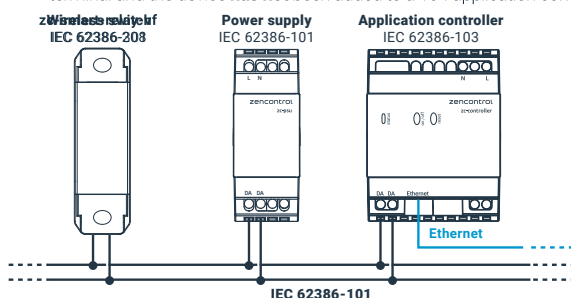
- 1** **104 mode** is enabled after the device has been added to a 104 application controller such as zc-iot-fc.



- 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.



- 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.

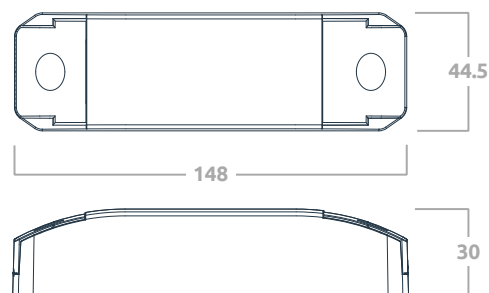


Specifications

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
Output rating AC	0 - 240V 10 A resistive 0 - 240V 6 A inductive
Max. in-rush AC	165 A 20ms 492 A 1.5ms
Output rating DC	0 - 25V 3A resistive 25 - 240V 200mA resistive
Output type	Volt free
Min. rated relay operations	40 000
Contact rating	100mΩ max. (at 1A 6V dc)
Max. operations per hour	360
Relay type	Non-latching normally open
Wiring	1 - 4 mm ² Strip 6 - 7 mm
Operating temperature	0 to 55°C
Material	PC
Classification	Class III
Mounting	Independently mounted control for surface mounting
Ingress protection	IP20
Compliance standards	IEC 60669-2-1 EN 55015 IEC 60950-1 EN 55022 IEC 62386-104 CISPR 15 IEC 62386-208

Dimensions

Fixing centres	125 mm
Dimensions	W148 / H30 / D44.5 mm



Wiring diagram

