



## Product range

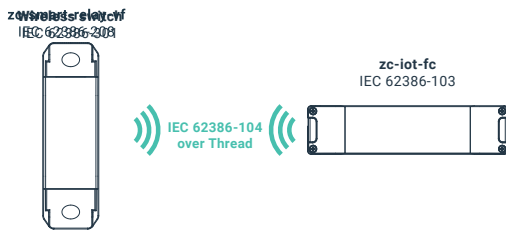
Order code	Description
<b>zc-smart-relay-vf</b>	Wired / wireless DALI high current volt free relay

### Features

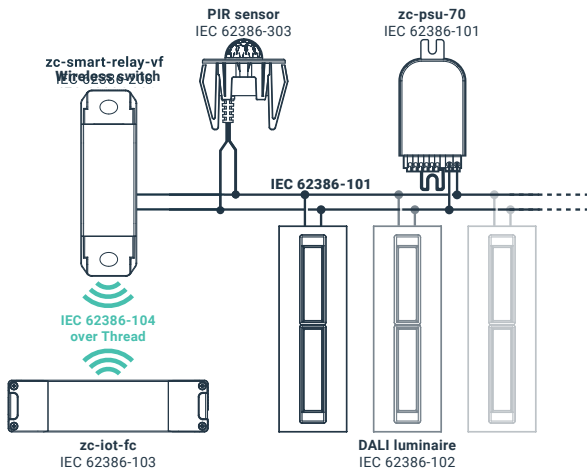
- For use with DALI control system
- Compatible with DALI and DALI-2
- Supports IEC 62386-104 over Thread®
- Protected against DALI over voltage
- Volt free high current relay output
- Converts DALI ECGs and ECDs to a wireless system
- Compliant to IEC 62386-208
- DALI device type 7

## System overview: modes

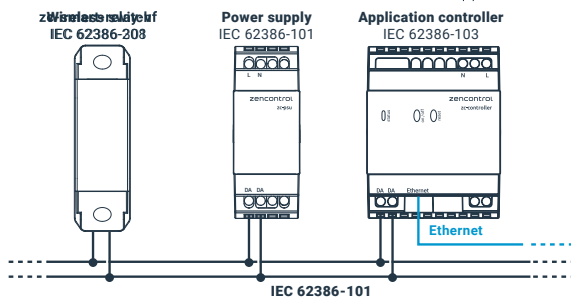
**1** **104 mode** is enabled after the device has been added to a 104 application controller such as zc-iot-fc.



**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.

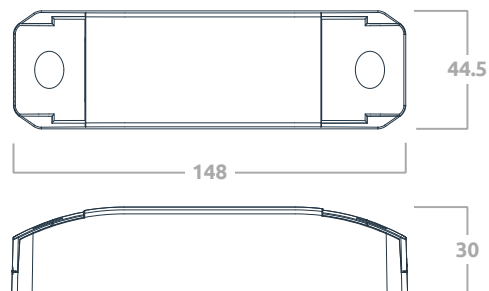


## Specifications

<b>Supply voltage</b>	230 V ~ 50 Hz
<b>Control system</b>	<b>Wired</b> DALI-2 <b>Wireless</b> IEC62386-104 over Thread
<b>Radio support</b>	IEEE 802.15.4
<b>Frequency band</b>	2.4 GHz
<b>Max radio tx power</b>	+8 dBm
<b>DALI line current</b>	2 mA
<b>Output rating AC</b>	0 - 240V 10 A resistive 0 - 240V 6 A inductive
<b>Max. in-rush AC</b>	165 A 20ms 492 A 1.5ms
<b>Output rating DC</b>	0 - 25V 3A resistive 25 - 240V 200mA resistive
<b>Output type</b>	Volt free
<b>Min. rated relay operations</b>	40 000
<b>Contact rating</b>	100mΩ max. (at 1A 6V dc)
<b>Max. operations per hour</b>	360
<b>Relay type</b>	Non-latching normally open
<b>Wiring</b>	1 - 4 mm <sup>2</sup> Strip 6 - 7 mm
<b>Operating temperature</b>	0 to 55°C
<b>Material</b>	PC
<b>Classification</b>	Class III
<b>Mounting</b>	Independently mounted control for surface mounting
<b>Ingress protection</b>	IP20
<b>Compliance standards</b>	IEC 60669-2-1 EN 55015 IEC 60950-1 EN 55022 IEC 62386-104 CISPR 15 IEC 62386-208

## Dimensions

<b>Fixing centres</b>	125 mm
<b>Dimensions</b>	W148 / H30 / D44.5 mm



## Wiring diagram

