Z-PB2RL2

2.4 GHz BLE/Zigbee digital input interface with relay outputs

Wireless 2.4 GHz mesh network push buttons interface with realy outputs. It can be use to create a wireless keyboard with status LED or to drive a power relays.

Main features

- Supply from mains 110-240Vac
- Wireless 2.4 GHz mesh network, compatible to Bluetooth LE and Zigbee 3.0
- 2 input contacts not isolated from mains for push buttons or switches
- 2 solid state relays output, 1A per channel
- IP20 protection degree

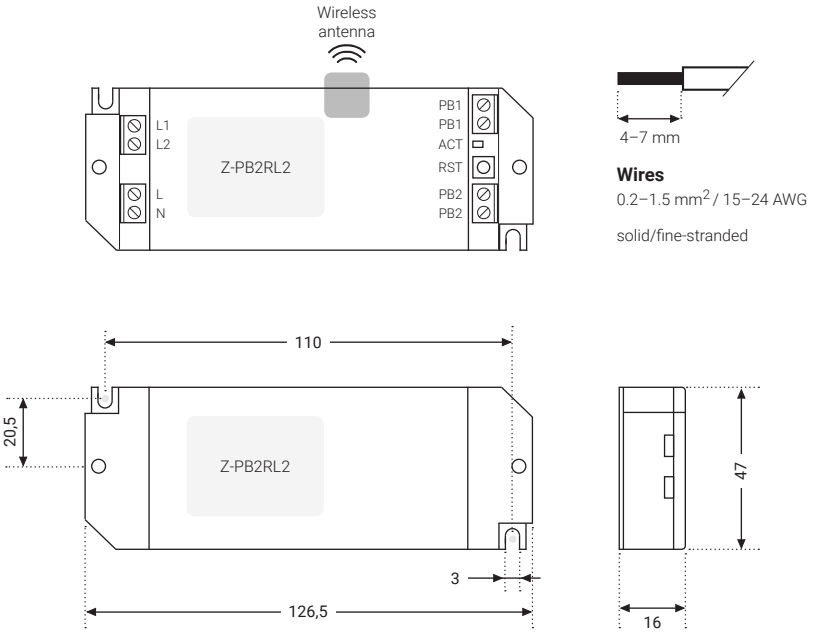
Models

Model	Code	Description
Z-PB2RL2	ZQ20-09R0	2.4 GHz BLE/Zigbee digital input interface with relay output

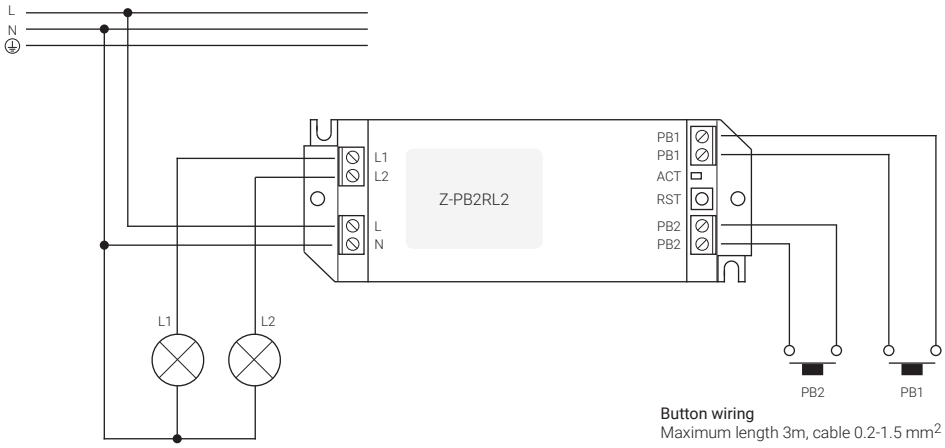
Technical specifications

Input power	Mains 110-240 Vac 50-60 Hz, max 1,5W
Radio transceiver	Operating frequencies: 2.402 GHz – 2.480 GHz Max ouput power: +10 dBm
Radio protocols	Bluetooth LE & Zigbee Home Automation, active at the same time
Digital Input	2 contacts not isolated from mains for push buttons or switches
Digital Output	2 solid state relays, 1A per channel
Diagnostic LED	Activity
Connector block	Screw terminals, cross section 0,2-1,5 mm^2
Operating Environment	Ambient temperature (ta) -10°C to +45°C. Relative humidity 10% to 95%
Housing	Plastic IP20
Dimensions	126,5 x 47 x 16 mm
Weight	55 g
Standards & Legislation	RED (Directive 2014/53/UE): EN 300328, EN 62311 SAFETY: EN 61347-1, EN61347-2-11 EMC: EN 61000-3-2, EN 61000-3-3, EN 55015, EN 61547, EN 301489-1, EN 301489-17 Environment: WEEE and RoHS directives

Dimensions (mm)



Wiring diagram



Indicator lights for synoptic panel

To create a synoptic control panel it is possible to use indicator lights such as the code 909-2465 (LED) or 175-8900 (integrated LED and push button) available on **rs-online.com**. If you want to use other indicator lights, first check that the minimum load on the solid state relay outputs is ensured.

Cod. 909-2465
IP40 LED indicator

Cod. 175-8900
IP65 integrated LED and push button

Zigbee reset procedure

To unjoin the Zigbee node from the network it belongs to, it is possible to act on the reset button (RST), when the device is powered, by keeping it pressed for more than 10 seconds.