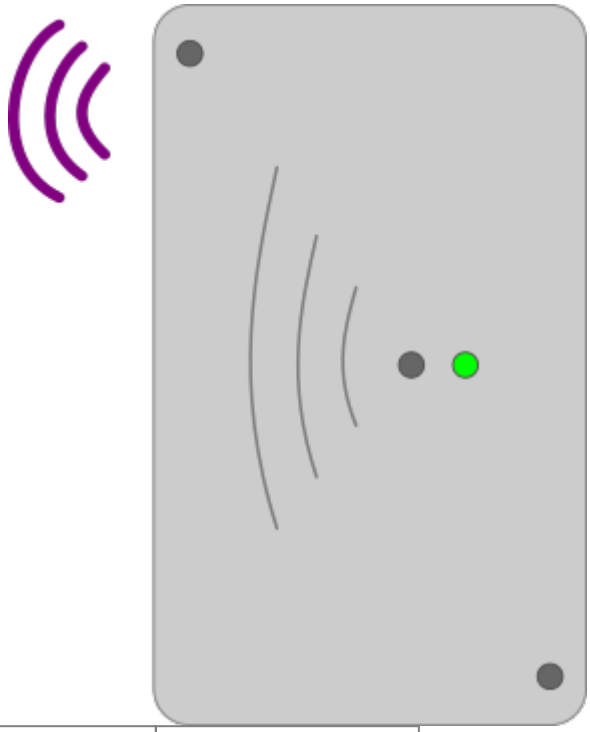
Wireless relay

Single-phase power relay and consumer measurement



Model number:	**RL1-WN-W**
Mounting:	On wall
Dimensions:	76 × 116 × 25 mm

Used for single phase managed consumer	
✔	toggling power supply
✔	measuring power and energy

Applications

- Wireless power-relay with consumer measurements

Features

- Wireless load management
- Consumer measurements

General description

Wireless relay RL1-WN-W is a wall mounted control unit. It can switch on/off an electric load, measure

active power and energy consumption.

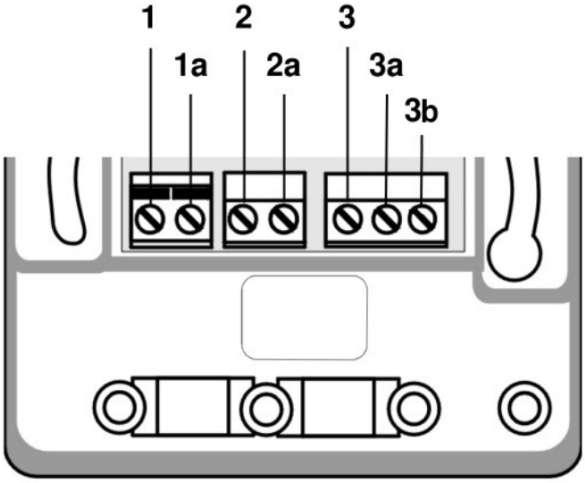
This device has to be directly and continuously main powered. For network purposes, it is a Router (Repeater) i.e. it has function of maintaining radio traffic from and to other similar devices and it can also act as a parent device for battery-powered sensors of the same family.

Technical specifications

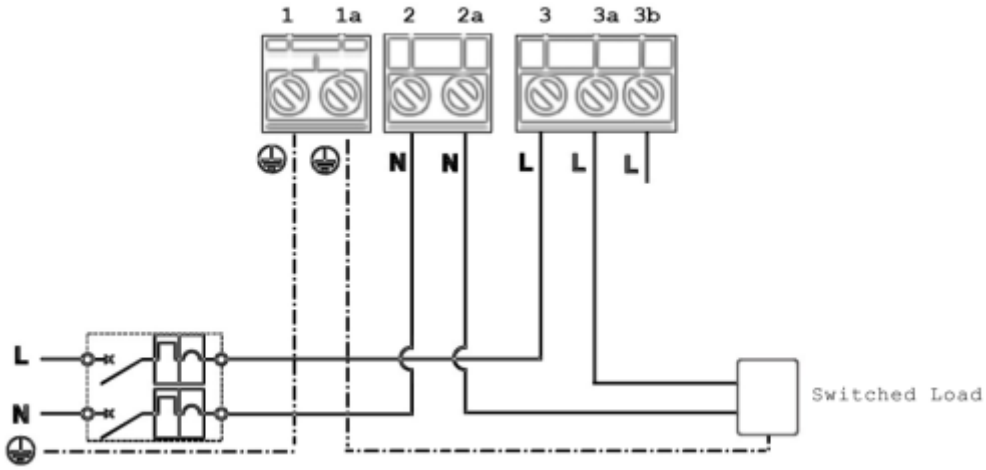
POWER SUPPLY	85-250 Vac; 50/60 Hz
WIRELESS CHARACTERISTICS	2405 MHz ÷ 2480 MHz
	DSSS Modulation
	Nominal transmission Power +3dBm
	IEEE 802.15.4 compliant
	Stack EmberZNet3.5.x
	Stack version 0
	Proprietary profile ID
	Proprietary encryption key
MEASURES	Energy consumed [Wh]
	Active Power [W]
	Time of measurement [sec]
RELAY CHARACTERISTICS	Contacts 10A 250V (resistive load)
CONNECTIONS	Terminal blocks
OPERATING CONDITIONS	-10 + 55 °C
PROTECTION CLASS	IP30

Terminals

RL1-WN-W			**Power source**	**Consumer**
PE	PE	1	PE	/
	PE	1a	/	PE
Neutral	N	2	N	/
	N	2a	/	N
Phase IN	L	3	L	/
Phase OUT	L	3a	/	L
Not used	L	3b	/	/



Connection



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