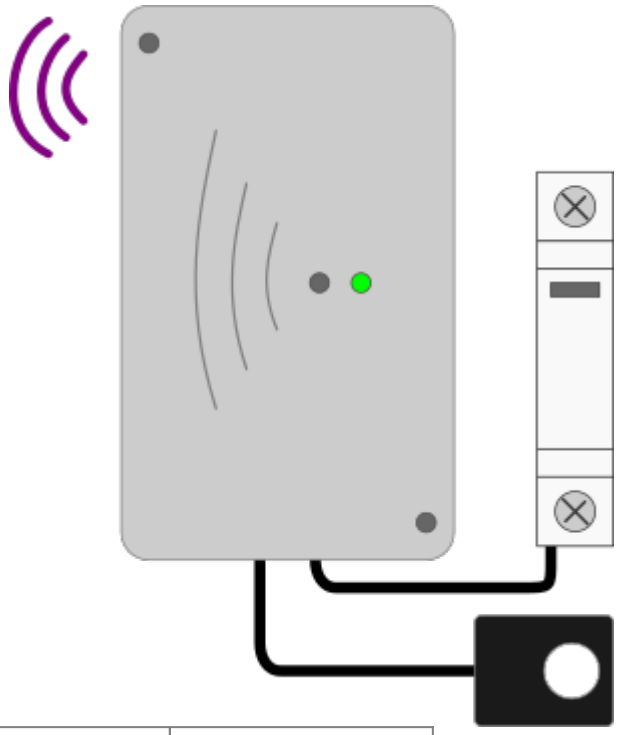
# Wireless on wall power sensor

**Wireless on wall rail power meter, external power relay switching and consumer measurement**



| | |
|---|---|
| Model number: | **PM1-WN-W** |
| Mounting: | On wall |
| Dimensions: | 76 × 116 × 25 mm |

| **Used for single phase managed consumer** | |
|---|---|
| ✔ | toggling power supply using external power relay |
| ✔ | measuring power and energy using clamp-on current transformer |

## Features

- Wireless load management, external power-relay control
- Consumer measurements, clamp-on current transformer

## General description

Wireless on wall power meter PM1-WN-W is a on wall mounted control unit. It can switch on/off an external power-relay and measure active power and energy consumption.

This device has to be directly and continuously main powered. For network purposes, it is a Router

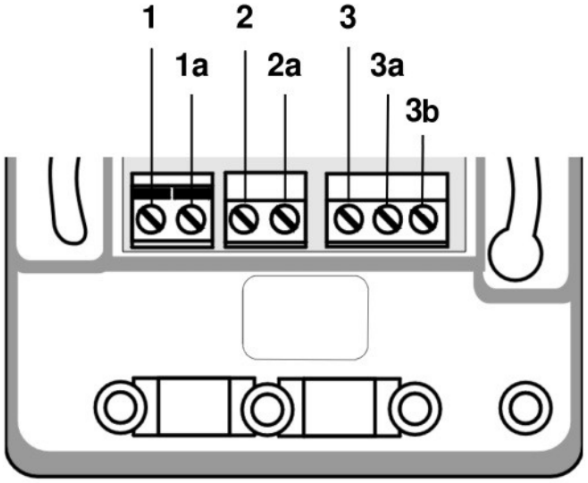
(Repeater) i.e. it has function of maintaining radio traffic from and to other similar devices and it can also act as a parent device for battery-powered sensors of the same family.

# Technical specifications

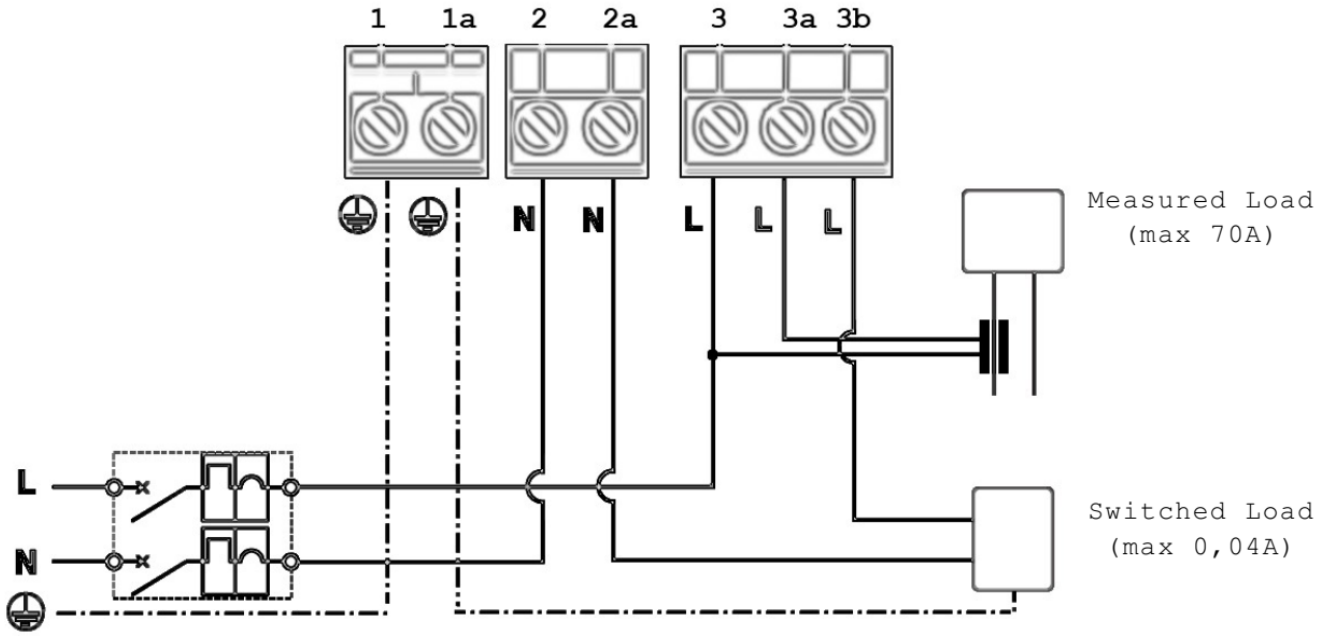
| | |
|---|---|
| POWER SUPPLY | 85-250 Vac; 50/60 Hz |
| WIRELESS CHARACTERISTICS | 2405 MHz ÷ 2480 MHz |
| | DSSS Modulation |
| | Nominal transmission Power +3dBm |
| | IEEE 802.15.4 compliant |
| | Stack EmberZNet3.5.x |
| | Stack version 0 |
| | Proprietary profile ID |
| | Proprietary encryption key |
| MEASURES | Energy consumed [Wh] |
| | Active Power [W] |
| | Time of measurement [sec] |
| MAXIMUM MEASURED LOAD | 15 kW |
| RELAY CHARACTERISTICS | Contacts 40mA 250V (resistive load) |
| CONNECTIONS | Terminal blocks |
| OPERATING CONDITIONS | -10 + 55 °C |
| PROTECTION CLASS | IP30 |

# Terminals

| PM1-WN-W | | | CT | Power source | Measured load | Switched load |
|---|---|---|---|---|---|---|
| PE | PE | 1 | / | PE | / | / |
| | PE | 1a | / | / | PE | PE |
| Neutral | N | 2 | / | N | / | / |
| | N | 2a | / | / | N | N |
| Phase IN / CT | L | 3 | BK | L | L | / |
| CT | L | 3a | RD | / | / | / |
| Phase OUT | L | 3b | / | / | / | L |



# Connection




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