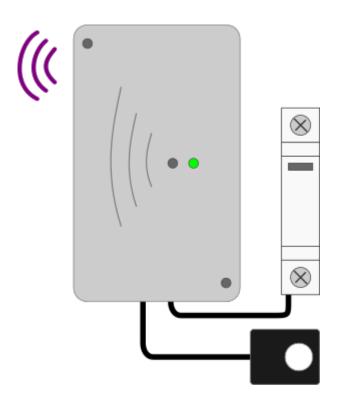
Wireless on wall power sensor

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



M	odel number:								
M	ounting:	On wall							
Di	mensions:	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.

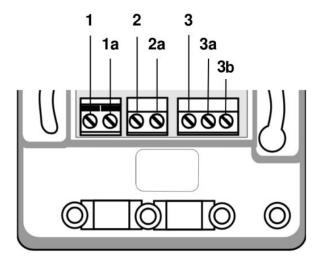
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Technical specifications

POWER SUPPLY	85-250 Vac; 50/60 Hz		
	2405 MHz ÷ 2480 MHz		
	DSSS Modulation		
	Nominal transmission Power +3dBm		
WIDELESS CHARACTERISTICS	IEEE 802.15.4 compliant		
WIRELESS CHARACTERISTICS	Stack EmberZNet3.5.x		
	Stack version 0		
	Proprietary profile ID		
	Proprietary encryption key		
	Energy consumed [Wh]		
RELAY CHARACTERISTICS CONNECTIONS OPERATING CONDITIONS	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		

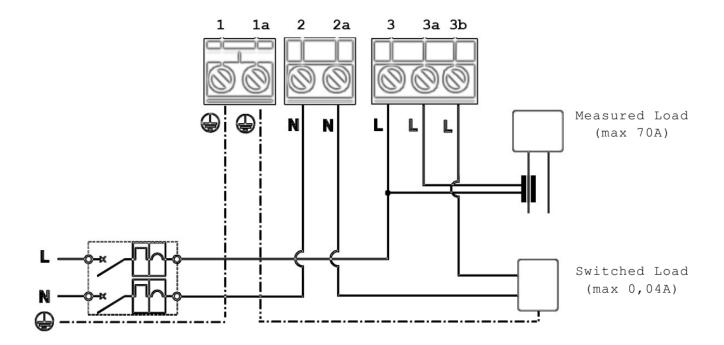
Terminals

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



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Connection



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