

Shelly PLUS 1PM



NEXT GENERATION APPLIANCES CONTROL WITH PRECISE POWER METERING

Small enough to fit behind any wall switch or wall socket, **Shelly Plus 1PM** is designed for retrofit applications and can be installed in less than 10 minutes. From automatization of the lights to electrical appliances control, Shelly Plus 1PM provides precise power metering and free cloud data storage.

TRACK THE POWER CONSUMPTION

Shelly Plus 1PM has an integrated precise power meter that allow you to measure the power consumption and features free data storage for analysis.



HEATING CONTROL ON SCHEDULE

Set Shelly Plus 1PM to turn on the heating appliances in your house an hour before you come from work. Remotely monitor the power consumption of your heaters to make sure they're running and warming up.



APPLIANCES AUTOMATION

Get precise measurement of the power consumption of your home appliances and switch them on/off remotely, no matter where you are.



Power metering with data storage

Provides precise monitoring of the power consumption.



Wi-Fi operated

Connect Shelly Plus 1 PM to your Wi-Fi network.



Bluetooth

Add devices quickly and easily via Bluetooth connection, using Shelly Cloud App.



Extremely fast processor

For immediate command execution and notification



Enhanced safety

Over-temperature protection for prevention of failures.



Enhanced security

MQTT and WSS support, TLS certificate support and management for a broad range of use cases.



Improved API interface

Broad range of cloud connections and local integrations.



No hub required

Control directly without a hub through your smartphone with Shelly Cloud App

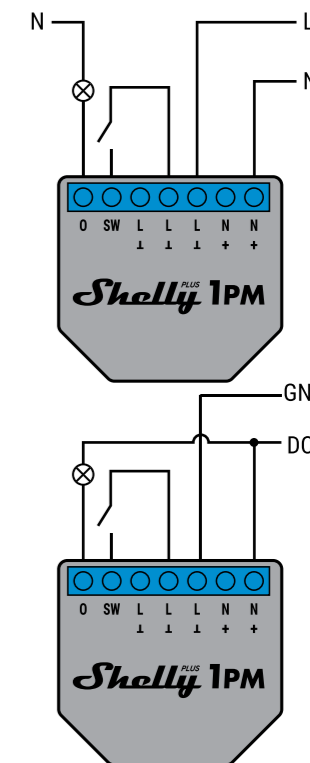


Highly compatible

Use with your preferred home automation platforms and voice assistants.

TECHNICAL SPECIFICATIONS

Power supply	<ul style="list-style-type: none"> • 110-240 VAC, 50/60 Hz • 24-30 VDC
Max load	16 A
Complies with EU standards:	<ul style="list-style-type: none"> • RE Directive 2014/53/EU • LVD 2014/35/EU • EMC 2014/30/EU • RoHS2 2011/65/EU
Working temperature	-20°C ÷ 40°C
Max RF output power	13.38 dBm
Wireless/Wi-Fi Protocol	802.11 b/g/n (2.4 GHz)
Frequency:	2412 - 2472 MHz
Operational range (depending on local conditions)	<ul style="list-style-type: none"> • up to 50 m outdoors • up to 30 m indoors
Dimensions (HxWxL)	42x37x16 mm
Electrical consumption	< 1.2 W
Wire cross section range	0.5 ÷ 1.5 mm ²



Legend

Terminals:

- N:** Neutral terminal
- L:** Live (110-240 V) terminal
- O:** Output terminal
- SW:** Switch terminal
- +**: DC positive terminal
- : DC ground terminal

Wires:

- N:** Neutral wire
- L:** Live (110-240 V) wire
- GND:** DC ground wire
- DC+:** DC positive (24-30 V) wire

