

# Shelly PRO 1PM



## USE SHELLY PRO 1PM for

Shelly Pro 1PM allows customers to automate, measure the power consumption, and analyze data from lights and appliances. Different types of actions, scenarios and schedules can be set to sync your environment to your daily activities or business needs.



Lights control Laundry machine control



Water heater automation Floor heating automation



**LAN, Wi-Fi and Bluetooth**  
Simultaneous Wi-Fi and LAN usage, add device fast and easy via Bluetooth connection.



**1 channel relay**  
1 output, 16 A.



**Wide range of voltage support**  
Shelly Pro 1PM can be powered by 110-240 VAC



**Power metering with data storage**  
Integrated precise power meter that allow you to measure the consumption of the lights or appliances.



**Wide variety of appliances control**  
Suitable for automating & measuring the consumption of lights, dishwashers, washing machines, appliances, etc.



**Enhanced safety**  
Flame retardant shell (V-0) with internal overtemperature, over-power and overvoltage protection.



**Enhanced security**  
MQTT and WSS support, TLS and custom certificates support for a broad range of use cases.



**No hub required**  
Control directly and without a hub through your smartphone with Shelly Cloud App.



**Highly compatible**  
Use with your preferred home automation platforms and voice assistants.

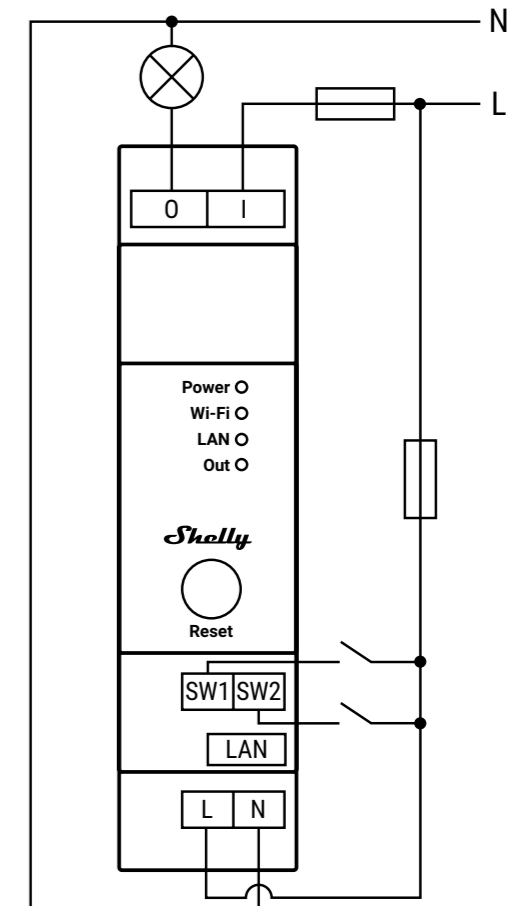
## ENHANCED ELECTRICAL APPLIANCES AUTOMATION WITH PRECISE POWER METERING

Shelly Pro 1PM is a one-phase, 1 channel relay supporting up to 16A. Equipped with integrated power meter, it allows users to measure the precise power consumption of all automated lights or appliances. Shelly Pro 1PM is suitable for automating & measuring the consumption of lights, dishwashers, washing machines, appliances, etc. Power it with 110-240VAC, use scripting functionalities to set custom automation scenes based on various occurrences.

### TECHNICAL SPECIFICATIONS

<b>Power supply</b>	110-240 VAC, 50/60 Hz
<b>Max load per channel</b>	16 A
<b>Complies with EU standards:</b>	<ul style="list-style-type: none"> <li>RE Directive 2014/53/EU</li> <li>LVD 2014/35/EU</li> <li>EMC 2014/30/EU</li> <li>RoHS2 2011/65/EU</li> </ul>
<b>Working temperature</b>	-20°C to 40°C
<b>Max RF output power</b>	13.34 dBm
<b>Wireless/WiFi Protocol</b>	802.11 b/g/n (2.4 GHz)
<b>Frequency:</b>	2412 - 2472 MHz
<b>Operational range (depending on local conditions)</b>	<ul style="list-style-type: none"> <li>up to 50 m outdoors</li> <li>up to 30 m indoors</li> </ul>
<b>Dimensions (HxWxD)</b>	94x19x69 mm
<b>Electrical consumption</b>	< 3 W
<b>Wire cross section range</b>	0.5 - 1.5 mm <sup>2</sup> (blue) 0.5 - 2.5 mm <sup>2</sup> (green)

### HOW TO CONNECT



#### Legend

##### Device terminals:

- O:** Load output terminals
- I:** Load input terminals
- SW1, SW2:** Switch input terminals controlling O\*
- L:** Live (110-240 VAC) terminal
- N:** Neutral terminal
- LAN:** Local Area Network RJ 45 connector

##### Cables:

- N:** Neutral cable
- L:** Live (110 - 240 VAC) cable

\* Can be reconfigured in the Device settings