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, 16A.

Wide range of voltage support
Shelly Pro 1PM can be powered by 110-240VAC and 12VDC.

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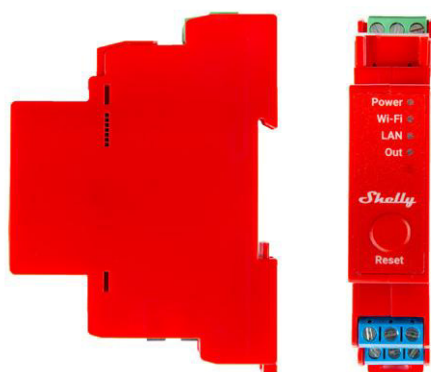
Highly compatible
Use with your preferred home automation platforms and voice assistants.

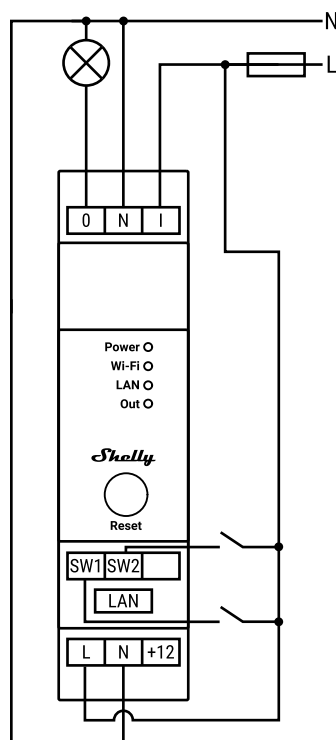# ENHANCED ELECTRICAL APPLIANCES AUTOMATION WITH PRECISE POWER METERING

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 or 12VDC, use scripting functionalities to set custom automation scenes based on various occurrences.
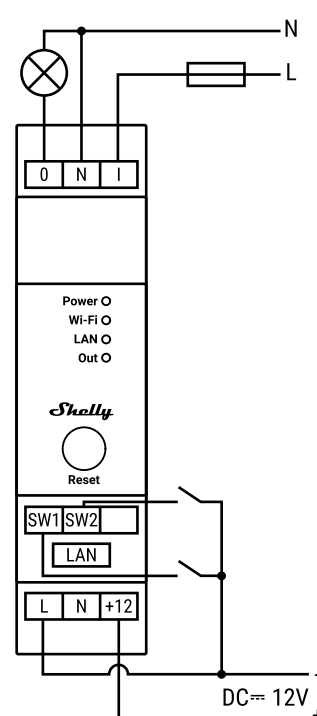
TECHNICAL SPECIFICATIONS

Power supply	• 110-240V; 50/60Hz AC/ • 12V DC ±10%
Max load per channel	16A
Total max. current of all outputs	16A
Complies with EU standards:	• RE Directive 2014/53/EU • LVD 2014/35/EU • EMC 2014/30/EU • RoHS2 2011/65/EU
Working temperature	-20°C ÷ 40°C
Radio signal power	1mW
Wireless/WiFi Protocol	802.11 b/g/n (2.4 GHz)
Frequency:	2412 - 2472 MHz
Operational range (depending on local construction)	• up to 50 m outdoors • up to 30 m indoors
Dimensions (HxWxD)	94x19x69 mm
Electrical consumption	< 3 W
Wire cross section range	0.5 ÷ 1.5 mm² (blue) 0.5 ÷ 2.5 mm² (green)

HOW TO CONNECT

**AC power supply –
AC circuit switching**

**AC power supply –
DC circuit switching**

LEGEND:
Device terminals:
O: Load circuit output terminal
I: Load circuit input terminal
SW1: Switch (controlling O1*) input terminal
SW2: Switch* input terminal
L: Live (110-240V) terminal
N: Neutral terminals
+12: 12V (10.5V to 13.5V) DC power supply terminal
LAN: Local Area Network RJ 45 connector
Wires:
N: Neutral wire
L: Live (110-240V) wire
+: 12 V DC power supply positive wire
-: 12 V DC power supply negative wire
* Can be reconfigured