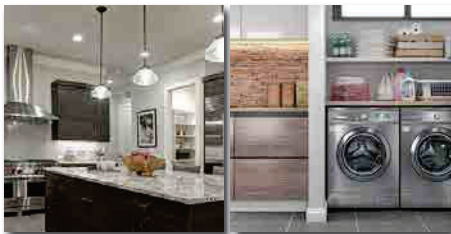# Shelly *PRO* 1PM

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 monitoring

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 switch
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, 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 Smart Control App.

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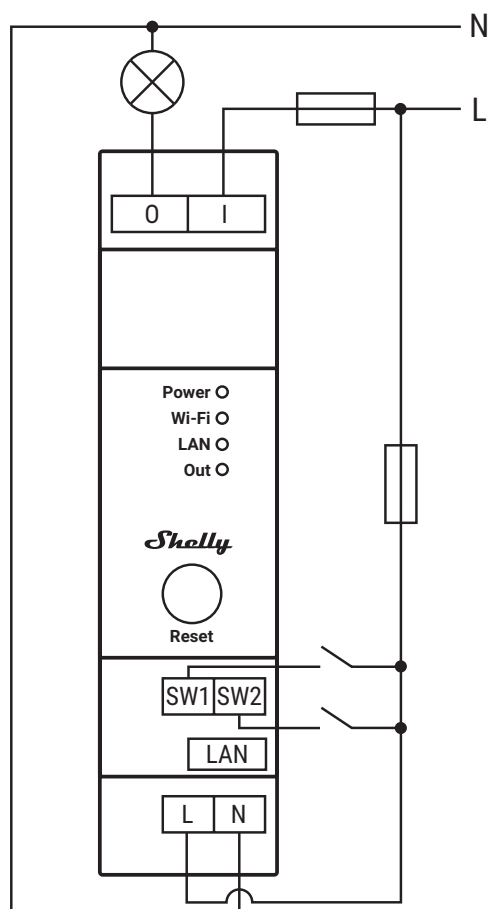Use with your preferred home automation platforms and voice assistants.

ENHANCED ELECTRICAL APPLIANCES AUTOMATION WITH PRECISE POWER METERING

Shelly Pro 1PM is a one-phase, 1 channel switch supporting up to 16 A. 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

Power supply	110-240 VAC, 50/60 Hz
Max load	16 A / 15 A UL version
Complies with EU standards:	• RED 2014/53/EU • LVD 2014/35/EU • EMC 2014/30/EU • RoHS2 2011/65/EU
Working temperature	-20°C to 40°C / -5°F to 105°F
Max RF power	13.34 dBm
Wireless/Wi-Fi Protocol	802.11 b/g/n (2.4 GHz)
Frequency	2400 - 2495 MHz
Operational range Wi-Fi (depending on local conditions)	• Up to 30 m / 100 ft indoors • Up to 50 m / 160 ft outdoors
Dimensions (HxWxD)	94x19x69 mm / 3.70x0.75x2.71 in
Electrical consumption	< 3 W
Wire cross section range	0.5 to 1.5 mm² (blue) 0.5 to 2.5 mm² (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