Shelly *Gen3* 1PM MINI

Shelly 1PM Mini Gen3
110-240 VAC, 50/60 Hz
max. 8 A / 2000 W @ 240 VAC

TRACK YOUR POWER CONSUMPTION AND SAVE MONEY

Tailored for measuring the power consumption of appliances up to 8 A, Shelly 1PM Mini Gen3 is perfectly suited for monitoring smaller devices, including personal electronics, fans, lighting fixtures, and kitchen gadgets. By using it to monitor power consumption, you can manage energy usage and make informed adjustments to reduce electricity costs. Shelly 1PM Mini Gen3 offers free data storage, providing access to historical data for analysis and comparison, which can also help you identify devices consuming excessive power or working unnecessarily.

MAKE ANY SMALL ELECTRICAL APPLIANCE SMART

Transform old electrical appliances, like small heaters or kitchen gadgets into smart devices with Shelly 1PM Mini Gen3. It provides precise power monitoring, allowing you to track energy consumption in real-time, and gives you remote control over appliances, no matter where you are. You can wire it behind your socket or even inside the appliance's casting. Create custom schedules for your appliances based on your daily routine to save energy and set smart scenes to be prepared for any unexpected occurrences in your home!

Power metering with data storage
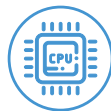Provides precise monitoring of the power consumption.

Wi-Fi operated
Connect Shelly 1 PM Mini Gen3 to your Wi-Fi network.

Bluetooth
Add devices quickly and easily via Bluetooth connection, using Shelly Smart Control 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 Smart Control App
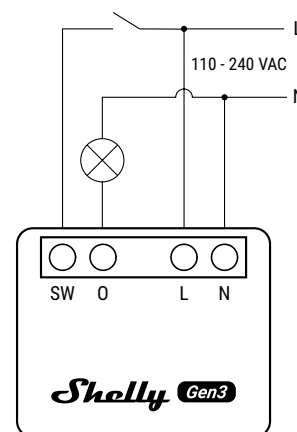
Highly compatible
Use with your preferred home automation platforms and voice assistants.

Smart control and precise power monitoring

Shelly 1PM Mini Gen3 is a small form factor smart switch with power measurement, which allows remote control of electric appliances through a mobile phone, tablet, PC, or home automation system. It can work standalone in a local Wi-Fi network or it can also be operated through cloud home automation services. Shelly 1PM Mini Gen3 can be accessed, controlled and monitored remotely from any place where the User has internet connectivity, as long as the device is connected to a Wi-Fi router and the Internet. It can be retrofitted into standard electrical wall boxes, behind power sockets and light switches or other places with limited space. Shelly 1PM Mini Gen3 has embedded Web Interface which can be used to monitor and control the device, as well as adjust its settings.

TECHNICAL SPECIFICATIONS

Power Supply	110-240 VAC, 50/60 Hz
Complies with EU standards	• RED 2014/53/EU • LVD 2014/35/EU • EMC 2014/30/EU • RoHS2 2011/65/EU
Max switching voltage AC	240 V
Max switching voltage DC	N/A
Max switching current AC	8 A
Max switching current DC	N/A
Working temperature	-20°C to 40°C / -5°F to 105°F
Max RF power	<20 dBm
Wi-Fi protocol	802.11 b/g/n
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
Operational range Bluetooth (depending on local conditions)	• Up to 10 m / 33 ft indoors • Up to 30 m / 100 ft outdoors
Dimensions	29x34x16 mm / 1.11x1.34x0.63 in
CPU	ESP-Shelly-C38F
Flash	8 MB
Power consumption	< 1.2 W

Legend
Device terminals:
SW: Switch input terminal
O: Relay output terminal
L: Live (110-240V) terminal
N: Neutral terminal
Wires:
N: Neutral wire
L: Live wire (110 - 240 VAC)