

Shelly^{Gen3} 1PM



MAKE YOUR WATER HEATER SMART

With Shelly 1PM Gen3, you can effortlessly automate and control your water heater, ensuring optimal energy usage and hot water exactly when you need it. By integrating Shelly 1PM Gen3 with your water heater, you can monitor energy consumption, set schedules, and remotely control it from your smartphone or smart home system. By using smart schedules, you can program your water heater to turn on during cheaper, off-peak hours, ensuring hot water is ready for morning showers while reducing energy costs. Additionally, you can connect it to Shelly Plus Add-on with a DS18B20 sensor and measure the temperature of the water inside.

EFFICIENT ELECTRICAL FLOOR HEATING

By installing Shelly 1PM Gen3, you can set your floor heating to start warming up the house before you wake up, providing a comfortable environment from the moment you step out of bed. You can also program it to lower the temperature during the night or when you're away, maintaining higher efficiency. This setup keeps your home's temperature comfortable while saving money by using energy efficiently, and allows you to make changes remotely.

EASY SMART SOCKET

With Shelly 1PM Gen3 installed behind a socket, you can automate and control various appliances, ensuring they operate according to your schedule and usage patterns. You can turn on your space heater remotely to warm up a room before you enter or turn off appliances during night hours. Using its power monitoring capabilities, you can track how much energy each appliance uses.



Power monitoring

Shelly Plus 1PM Gen3 provides precise monitoring of power consumption.



Wi-Fi Operated

Connect Shelly 1PM Gen3 to your Wi-Fi network. No HUB required!



Bluetooth

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



Wide range of voltage support

Use it to control a wide range of devices and appliances.



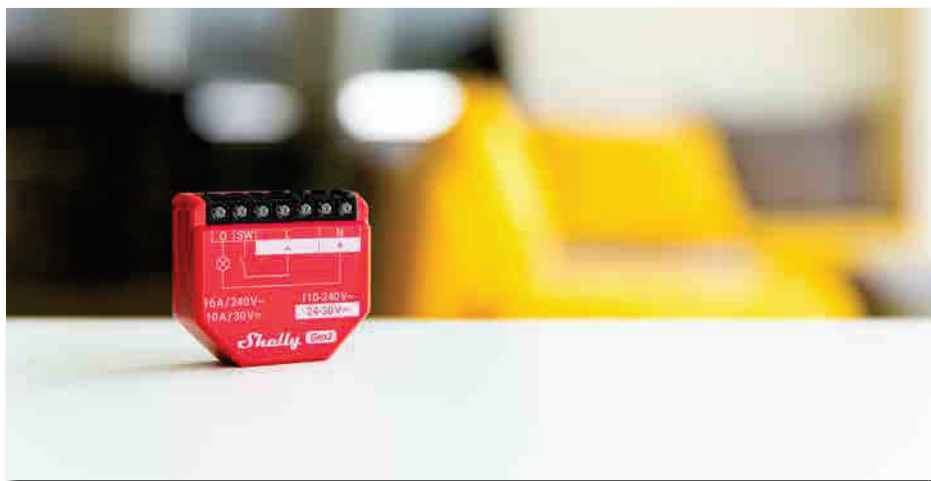
Smart schedules

Set custom schedules based on your daily agenda or follow the sunrise/sunset and control your lighting accordingly.



Smart scenes

Set custom scenes by combining Shelly 1PM Gen3 with your other Shelly devices.

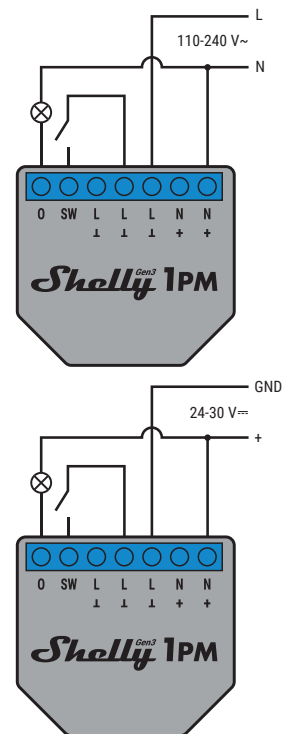


WI-FI-OPERATED SMART SWITCH WITH POWER METERING, 1 CHANNEL 16A

Shelly 1PM Gen3 is a Wi-Fi-operated smart switch for remote appliance control and precise power monitoring. Automate your home devices in less than 10 minutes, and control and monitor them from anywhere. Compact enough to fit behind most wall switches and sockets, it is retrofit and compatible with your existing smart home system.

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">• 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	< 20 dBm
Wireless/Wi-Fi Protocol	802.11 b/g/n (2.4 GHz)
Frequency	2400 - 2483 MHz
Operational range (depending on local conditions)	<ul style="list-style-type: none">• Up to 30 m / 100 ft indoors• Up to 50 m / 160 ft outdoors
Dimensions (HxWxL)	42x37x16 mm / 1.46x1.65x0.63 in
Electrical consumption	< 1.2 W
CPU	ESP-Shelly-C38F
Flash	8 MB
Wire cross section range	0.2 to 2.5 mm ² / 24 to 14 AWG



Legend

Device terminals

O: Load circuit output terminal

SW: Switch input terminal (controlling O)

L: Live terminal (110-240 V~)

N: Neutral terminal

+: 24-30 V+ positive terminal

-: 24-30 V- negative terminal

Wires

L: Live wire (110-240 V~)

N: Neutral wire

+: 24-30 V+ positive wire

GND: 24-30 V- ground wire

