



Set of 2 Shelly 1PM Gen4 Zigbee/Matter Controllers

Model: 1PMGen42Pack

Manufacturer: SHELLY

EAN: 3800238070724

Product Code: 871187

R1,751

Set of 2 Shelly 1PM Gen4 Zigbee/Matter Controllers

The Shelly 1PM Gen4 is a compact flush-mounted switch with energy consumption monitoring that supports multiple wireless communication standards—Zigbee, Wi-Fi, Bluetooth, and Matter. The device allows for remote control of connected electrical loads, and thanks to accurate power measurement, it enables real-time analysis of energy consumption. Thanks to its small size, it can be easily installed in flush-mount boxes, behind outlets, or behind light switches. The set includes two units.

Full control in your hands

The controller can be operated locally via Wi-Fi or remotely via the Shelly app, a web browser, or integration with home automation systems. The built-in web interface allows not only for remotely

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turning devices on and off, but also for configuring settings and reading power consumption data. Remote access works anywhere the device has an internet connection—no central hub is required. Shelly 1PM Gen4 offers extensive integration capabilities with external systems—it supports, among others, MQTT, HTTPS, Web Hooks, KNXnet/IP, and scripts written in ShellyScript. You can create schedules (up to 20 tasks) and scenes that automate device operation based on time, days of the week, or weather conditions.

Communication across multiple standards

The Shelly 1PM Gen4 supports 4 major communication standards—Wi-Fi (802.11 b/g/n), Bluetooth 5.0, Zigbee (802.15.4), and Matter. This allows it to seamlessly integrate with popular platforms such as Alexa, Google Assistant, Samsung SmartThings, and Home Assistant. The controller can also function as a Zigbee and Wi-Fi signal repeater, extending the range of these networks in IoT installations.

Energy consumption measurement and installation protection

The device is equipped with a built-in wattmeter and ammeter, allowing real-time monitoring of power consumption by connected devices. Additionally, the recorded data can be analyzed in the app. Energy consumption measurement facilitates the optimization of electricity usage at home or in the office. The integrated internal temperature sensor ensures safety by protecting the device from overheating.

Included in the set

- Shelly x2 controller
- user manual

General

Manufacturer Shelly

Model 1PMGen4

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Physical specifications

Dimensions	37 x 42 x 16 mm / 1.46 x 1.65 x 0.63 inches
Weight	27 g / 0.95 oz
Maximum terminal tightening torque	0.4 Nm / 3.5 lbin
Wire cross-section	0.2 to 2.5 mm² / 24 to 14 AWG (strand, wire, tube)
Wire stripping length	6 to 7 mm / 0.24 to 0.28 inches
Mounting	Wall bracket
Housing material	Plastic
Housing color	Red
Terminal color	Gray

Environmental conditions

Operating temperature	-20 °C to 40 °C / -5 °F to 105 °F
Operating humidity	30% to 70% RH
Maximum altitude	2000 m / 6562 ft

Electrical specifications

Power supply	110-240 V~ ; 24-30 V□
Power consumption	1 W
Neutral wire required	Yes
External protection	Overcurrent circuit breaker compliant with EN60898-1 (B or C characteristic, rated current max. 16 A, breaking capacity min. 6 kA, energy limitation class 3)

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Sensors and measurements

Voltmeter (AC) Yes

Ammeter (AC) Yes

Internal temperature sensor Yes

Wi-Fi

Protocol 802.11 b/g/n

RF band 2412 – 2472 MHz

RF power 20 dBm

Range Up to 30 m indoors / 50 m outdoors (depending on conditions)

Bluetooth

Protocol 5.0

RF Band 2402 – 2480 MHz

RF Power 4 dBm

Range Up to 10 m indoors / 30 m outdoors (depending on conditions)

Zigbee

Protocol 802.15.4

Zigbee Repeater Yes

RF Band 2400 – 2483.5 MHz

RF Power 20 dBm

Range Up to 100 m indoors / 300 m outdoors (depending on conditions)

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Microcontroller Unit

CPU ESP-Shelly-C68F

Flash memory 8 MB

Software features

Schedules 20

Webhooks (URL actions) 20 with 5 URLs per webhook

Scripts Yes

MQTT Yes

Connectivity: Wi-Fi, Category: Switches , GPSR Link: <https://psr->

[assets.innpro.pl/smarthome/sg_smarthome_controls.pdf](https://psr-assets.innpro.pl/smarthome/sg_smarthome_controls.pdf), Gross weight: 80, Net weight: 58, Box

length: 9,50, Box width: 5,00, Box height: 2,00, Information about data generation:

<https://dataact.innpro.pl/Shelly/3800238070724>

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