

# Set of 2 Shelly 1PM Gen4 Zigbee/Matter Controllers



Model: 1PMGen42Pack

Manufacturer: SHELLY

EAN: 3800238070724

Product Code: 809053

## 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) |

## 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-](https://psr-assets.innpro.pl/smarthome/sg_smarthome_controls.pdf)

[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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