Shelly® 1PM

WHERE DOES MY MONEY GO?

- **HEATING**
- **COOLING**
- **WATER HEATING**
- **APPLIANCES**
  Includes refrigerator, dishwasher, clothes, washer and dryer
- **LIGHTS**
- **ELECTRONICS**
  Includes telephoneand external power,adapsters, consumerelectronics (computer,TVs and DVD player), home and office equipment and small appliances

Power Metering
Shelly 1PM has an integrated precise power meter. You can measure the overall consumption of all the electric devices you are controlling.

Mobile App Control
Turn appliances on/off directly from your smartphone or tablet.

Wi-Fi Connected
Simply connect Shelly to your Wi-Fi network and begin the ultimate experience by controlling your home with your phone.

Home assistant compatible
Control your appliance with your voice. Shelly 1PM is Google home and Amazon Echo compatible.

Weekly Scheduling
Create custom daily schedules for your devices.

Following the Sunlight
Shelly 1PM can automatically turn on/off based on the sunrise and sunset hours.

Up To 3500W
With Shelly 1PM you can control a wide range of devices and appliances.

Free Cloud
All you need to manage your Shelly 1PM is a smartphone and the Shelly Cloud free mobile application.

Countdown timer
No more forgotten turned on appliances. The integrated countdown timer can automatically switch off your oven after an hour.

CONTROL ANY ELECTRICAL APPLIANCE AND MEASURE ITS CONSUMPTION

The Wi-Fi Relay Switch Shelly 1PM is intended to be mounted into a standard in-wall console, behind power sockets and light switches in order to control the electric power through it.

TECHNICAL SPECIFICATIONS

Power supply	• 110-240V ±10% 50/60Hz AC • 24-60V DC
Max load per channel	16A
Complies with EU standards	• RE Directive 2014/53/EU • LVD 2014/35/EU • EMC 2004/108/WE • RoHS2 2011/65/UE
Working temperature	-40°C ÷ 40°C
Radio signal power:	1mW
Wireless/WiFi Protocol	802.11 b/g/n (2.4 GHz)
Frequency:	2400 - 2484 MHz
Operational range (depending on local construction)	• up to 50 m outdoors • up to 30 m indoors
Dimensions (HxWxL)	41x36x17 mm
Electrical consumption	< 1 W

For developers

Shelly 1PM comes with a programming/debug header which can be used to flash alternative firmware on the device. It has an ESP8266 inside, with a 2MB flash chip. A USB-to-UART adapter is needed as well as a reliable 3.3V with at least 350 mA drive capability. The following diagram shows the device pinout: