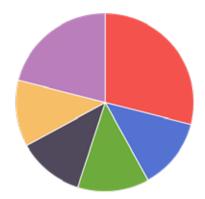
# Shelly<sup>®</sup> IPM



# 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









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



# Weekly Scheduling

**Power Metering** 

Mobile App Control

Wi-Fi Connected

controlling.

Create custom daily schedules for your devices.

#### Following the Sunlight

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

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

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

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

#### 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.





8

# **CONTROL ANY ELECTRICAL APPLIANCE AND MEASURE ITS CONSUMPTION**

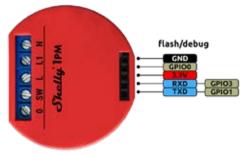
**The Wi-Fi Relay Switch Shelly 1PM** is intended to be mounted into a standard in-wall console, behind power sockets and light switches in order to control the electric power through it.

### **TECHNICAL SPECIFICATIONS**

Power supply	<ul> <li>110-240V ±10% 50/60Hz AC</li> <li>24-60V DC</li> </ul>
Max load per channel	16A
Complies with EU standards:	<ul> <li>RE Directive 2014/53/EU</li> <li>LVD 2014/35/EU</li> <li>EMC 2004/108/WE</li> <li>RoHS2 2011/65/UE</li> </ul>
Working temperature	-40°C ÷ 40°C
Radio signal power:	1mW
Wireless/WiFi Protocol	802.11 b/g/n (2.4 GHz)
Frequency:	2400 – 2500 MHz
Operational range (depending on local construction):	<ul><li> up to 50 m outdoors</li><li> up to 30 m indoors</li></ul>
Dimensions (HxWxL):	41 x 36 x 17 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:



GPIO4 — Relay control: set HIGH to short I and O GPIO5 — SW input: reads HIGH when SW is shorted to AC/L | GND



