

# Shelly<sup>®</sup> 1PM



## WHERE DOES MY MONEY GO?



- HEATING**
- COOLING**
- WATER HEATING**
- APPLIANCES**  
Includes refrigerator, dishwasher, clothes, washer and dryer
- LIGHTS**
- ELECTRONICS**  
Includes telephone and external power, adapters, consumer electronics (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

<b>Power supply</b>	<ul style="list-style-type: none"> <li>• 110-240V ±10% 50/60Hz AC</li> <li>• 24-60V DC</li> </ul>
<b>Max load per channel</b>	16A
<b>Complies with EU standards:</b>	<ul style="list-style-type: none"> <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>
<b>Working temperature</b>	-40°C ÷ 40°C
<b>Radio signal power:</b>	1mW
<b>Wireless/WiFi Protocol</b>	802.11 b/g/n (2.4 GHz)
<b>Frequency:</b>	2400 – 2500 MHz
<b>Operational range (depending on local construction):</b>	<ul style="list-style-type: none"> <li>• up to 50 m outdoors</li> <li>• up to 30 m indoors</li> </ul>
<b>Dimensions (HxWxL):</b>	41 x 36 x 17 mm
<b>Electrical consumption:</b>	< 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:

