



USE THE POWER OF MONGOOSE OS TO MAKE YOUR OWN APPLICATION



MAKE YOUR ARDUINO PROJECT LIVE AND USABLE IN YOUR AU-TOMATION PROJECT



SHARE YOUR EXPERIENCE WITH DEVELOPERS OVER THE WORLD



USE OUR REST API TO CONNECT SHELLY 1 OS WITH YOUR EXIST-ING HOME AUTOMATION SYSTEM





#### 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 1 OS is Google home and Amazon Echo compatible.



#### Weekly Scheduling

Create custom daily schedules for your devices.



#### Following the Sunlight

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



### Up To 3500W

With Shelly 1 OS you can control a wide range of devices and appliances.



#### Free Cloud

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



#### Countdown timer

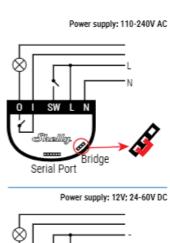
No more forgotten turned on appliances. The integrated countdown timer can automatically switch off your oven after an hour.

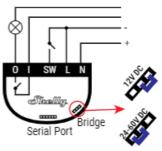
## THE SMALLEST, SMARTEST & THE MOST POWERFUL WI-FI SWITCH FOR YOUR AUTOMATION SOLUTION

The Wi-Fi Relay Switch Shelly 1 OS 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> <li>12V 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):	up to 50 m outdoors up to 30 m indoors
Dimensions (HxWxL):	41 x 36 x 17 mm
Electrical consumption:	< 1 W





#### LEGEND:

N - Neutral input (Zero)/(+) L - Line input (110-230V)/(-) O - Output

I - Input

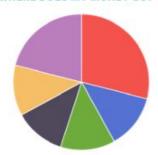
SW - Switch (input) controlling 0

The WiFi Relay Switch Shelly 1 may control an electrical circuit up to 3.5 kW. It is intended to be mounted into a standard in-wall console, behind power sockets and light switches or other places with limited space. Shelly may work as a standalone Device or as an accessory to a home automation controller.

# Shelly IPM



#### WHERE DOES MY MONEY GO?







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

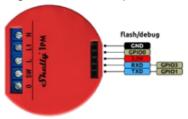
The Wi-Fi Relay Switch Shelly 1PM is intended to be mounted into a standard in-wall console, behind power sockets and light switches in order to control the electric power through it.

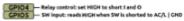
#### **TECHNICAL SPECIFICATIONS**

Power supply	<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):	• up to 50 m outdoors • up to 30 m indoors
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:









# Shelly 2.5



#### SHELLY 2,5 CONNECTING **EVERYTHING**



#### SHELLY 2,5 IS 39x36x17 mm



#### MANAGE YOUR COOLING AND **HEATING SYSTEM REMOTELY**





#### Wi-Fi Connected

Shelly 2,5 can connect to any Wi-Fi network or can operate as an



#### 2 Channels

Maximum load current per output: 10A/230V, 50/60Hz. You can control a wide range of home appliances and office equipment.



#### **Power Metering**

Shelly 2,5 has an integrated precise power meter. You can measure the overall consumption of all the electric devices you are controlling.



#### **Energy Efficient**

Manage and control heating radiators and air conditioners, in order to reduce energy consumption related to heating/cooling with up to 30%.



### Mobile app control

You can turn on and off your appliances from anywhere in the world.



#### Countdown timer

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

#### **EASY INSTALLATION**





#### EASY WIRING

And retorict! Install the Shelly
2,5 relays to your existing elec-tric circuits, for 3 minutes each, and make your home smart and energy efficient.



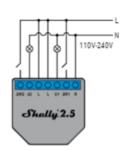
Shelly 2,5 can be installed on a DIN into your electricity box, right next to the breakers.

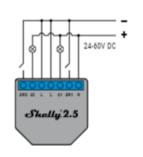
## **COMPLETELY RE-ENGINEERED** 100% PROTECTED

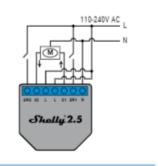
Shelly 2,5 Wi-Fi dual relay switch with dual power metering is 20% more powerful, 30% smaller and with 50% range increased than his predecessor.

#### **TECHNICAL SPECIFICATIONS**

Power supply	Shelly 2,5 is compatible with all major international voltage standards 110-230V ±10% 50/60Hz AC
2 Channels	Maximum load current per output: 10A/230V, 50/60Hz. You can control a wide range of home appliances and office equipment.
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	WiFi 802.11 b/g/n Shelly 2,5 can connect to any Wi-Fi network or can op- erate as an Access Point
Frequency:	2400 - 2500 MHz
Operational range (depending on local construction)	up to 50 m outdoors up to 30 m indoors
Dimensions (HxWxL):	39 x 36 x 17 mm
Electrical consumption	< 1 W







N - Neutral input (110-230V AC); + Positive input (24-60V DC)

L - Line input (110-230V AC); - Negative input (24-60V DC)

01 - Output 1;

02 - Output 2;

SW1 - Switch 1 (input controlling 01); SW2 - Switch 2 (input controlling 02)