Shelly PRO 2PM

USE SHELLY PRO 2PM FOR

Shelly Pro 2PM supports two-directional motor control, which makes it perfect for automation of roller shutters, curtains, awnings, and gates.
Customers can use scripting functionalities to set custom automation scenes based on various occurrences, weather forecast, wind forecast, etc.


Roller shutter automation


Curtains automation


Sliding doors control


Pool cover automation


Office blinds


Gate automation

LAN, Wi-Fi and Bluetooth
Simultaneous Wi-Fi and LAN usage, add device fast and easy via Bluetooth connection

2 channels relay
2 outputs 16A each, total device maximum capacity of 25A.

Wide range of voltage support
Shelly Pro 2PM can be powered by 110-240V AC and 12V DC.

Power metering with data storage
Two integrated precise power meters that allow you to measure the consumption for each channel separately

Two-directional control
Control any 110-230V bi-directional motor, roller shutters, motorized curtains, or awning

Wide variety of appliances control
Suitable for appliances, roller shutters, awnings, motors up to 600W, lights on different phases, and many more.

Enhanced safety
Flame retardant shell (V-0) with internal overtemperature, overpower and overvoltage protection.

Enhanced security
MQTT and WSS support, TLS and custom certificates support for a broad range of use cases.

No hub required
Control directly and without a hub through your smartphone with Shelly Cloud App.

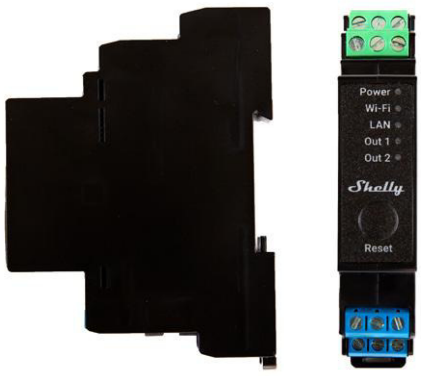
Highly compatible
Use with your preferred home automation platforms and voice assistants.

BLINDERS AND ROLLER SHUTTERS AUTOMATION AND CONTROL WITH PRECISE POWER METERING

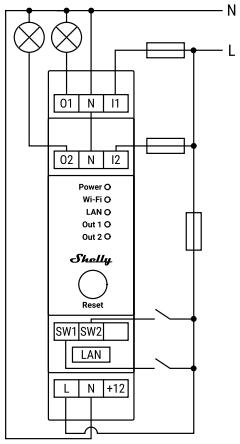
Shelly Pro 2PM is a 2 channel relay, supporting up to 16A per phase with total device capacity of 25A. Equipped with two integrated precise power meters that allow customers to measure the consumption for each channel separately. Shelly Pro 2PM is suitable for appliances, roller shutters, awnings, motors up to 600W. Power it with 110-240VAC or 12VDC, use scripting functionalities to set custom automation scenes based on various occurrences.

TECHNICAL SPECIFICATIONS

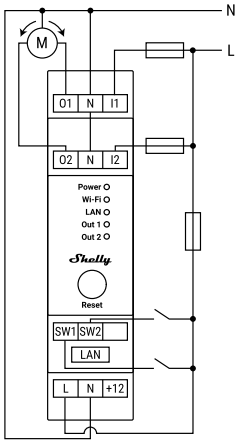
Power supply	• 110-240V; 50/60Hz AC • 12V DC ±10%
Max load per channel	16A
Total max. current of all outputs	25A
Complies with EU standards:	• RE Directive 2014/53/EU • LVD 2014/35/EU • EMC 2014/30/EU • RoHS2 2011/65/EU
Working temperature	-20°C ÷ 40°C
Radio signal power	1mW
Wireless/WiFi Protocol	802.11 b/g/n (2.4 GHz)
Frequency:	2412 - 2472 MHz
Operational range (depending on local construction)	• up to 50 m outdoors • up to 30 m indoors
Dimensions (HxWxD)	94x19x69 mm
Electrical consumption	< 3 W
Wire cross section range	0.5 ÷ 1.5 mm² (blue) 0.5 ÷ 2.5 mm² (green)



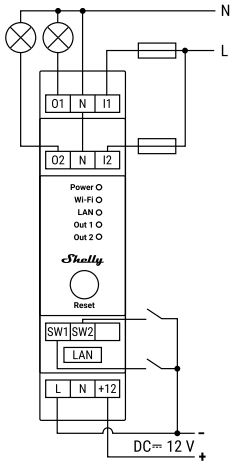
HOW TO CONNECT



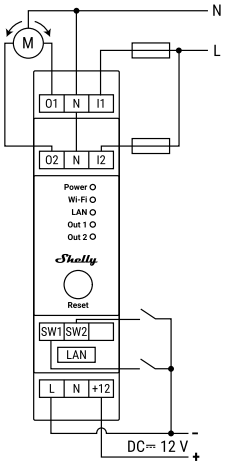
AC power supply – AC circuit switching



AC power supply – AC bi-directional motor



12 V DC power supply – AC circuits switching



12 V DC power supply – AC bi-directional motor

LEGEND:
Device terminals:
O1: Load circuit 1 output terminal
O2: Load circuit 2 output terminal
I1: Load circuit 1 input terminal
I2: Load circuit 2 input terminal
SW1: Switch (controlling O1*) input terminal
SW2: Switch (controlling O2*) input terminal
L: Live (110-240V) terminal
N: Neutral terminals
+12: 12V (10.5V to 13.5V) DC power supply terminal
LAN: Local Area Network RJ 45 connector
Wires:
N: Neutral wire
L: Live (110-240V) wire
+: 12 V DC power supply positive wire
-: 12 V DC power supply negative wire
** Can be reconfigured*