

# Shelly<sup>PRO</sup> Dimmer 2PM



## Optimized energy consumption

Shelly Pro Dimmer 2PM stands as an ideal solution for various dimming and power-metering needs - from expansive multi-room residences to the sophisticated demands of hotels or big office spaces. As part of the professional line series, the device is engineered for seamless integration into a DIN Rail enclosure, which allows you to precisely control and monitor the lights in different rooms. Thus, you can plan your business expenses better, and strategically optimize the energy consumption for enhancing efficiency and cost-effectiveness.

## Brightness that suits your activities

Shelly Pro Dimmer 2PM gives your fine-tuned control to tailor your lighting to perfection. Set the minimum and maximum brightness levels to match both your personal preferences and the capabilities of your bulbs, ensuring that the lighting in your home is always just right. But the Shelly Pro Dimmer 2PM offers more than just customized brightness. It also allows you to pre-set your preferred lighting scenes for various activities and moods. Whether you want to set the ambiance for a relaxing evening or ensure the best brightness for focused tasks, simply use your existing wall switch to swiftly transition between your chosen atmospheres.



### LAN, Wi-Fi and Bluetooth

LAN connection for high security and reliability. Simultaneous Wi-Fi and LAN usage, as backup when needed.



### Light intensity adjustment

Use the dimming function to set the brightness of your lights to your preference.



### Power Monitoring

Shelly Pro Dimmer 2PM provides precise monitoring of power consumption.



### Flexible input control

Use it with your existing switches, no matter if they're single or dual button.



### Smart schedules

Set custom schedules based on your daily agenda or follow the sunrise/sunset and control your lighting accordingly.



### Smart scenes

Set custom scenes by combining Shelly Dimmer2 with your other Shelly devices.

# THE BEST SOLUTION FOR NEW HOME BUILDINGS AND BUSINESS FACILITIES

**Shelly Pro Dimmer 2PM** is a DIN-rail mountable, two-channel smart dimmer with power monitoring. Use it to control, dim, and power measure a wide range of halogen lights, dimmable LED, and ferromagnetic transformers between 110-240V. Different types of actions, scenarios, and schedules can be set to sync your lighting environment to your daily activities or business needs.

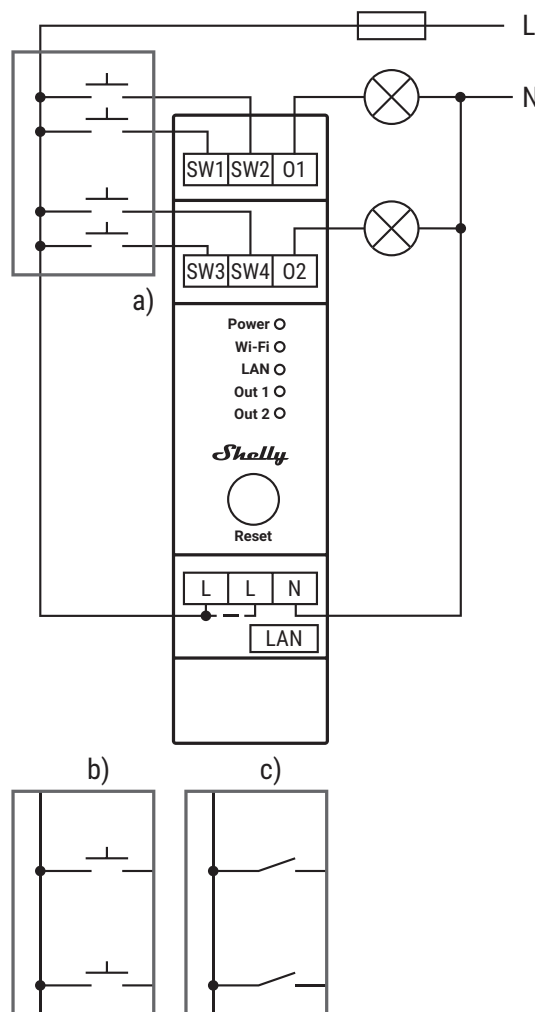
## TECHNICAL SPECIFICATIONS

<b>Power supply</b>	110-240 VAC, 50/60 Hz
<b>Max. output power</b>	200 W
<b>Complies with EU standards:</b>	<ul style="list-style-type: none"> <li>• RED 2014/53/EU</li> <li>• LVD 2014/35/EU</li> <li>• EMC 2014/30/EU</li> <li>• RoHS2 2011/65/EU</li> </ul>
<b>Working temperature</b>	-20°C to 40°C / -5°F to 105°F
<b>Max RF power</b>	20 dBm
<b>Wireless/Wi-Fi Protocol</b>	802.11 b/g/n (2.4 GHz)
<b>Frequency</b>	2400 - 2495 MHz
<b>Operational range Wi-Fi (depending on local conditions)</b>	<ul style="list-style-type: none"> <li>• Up to 30 m / 100 ft indoors</li> <li>• Up to 50 m / 160 ft outdoors</li> </ul>
<b>Dimensions (HxWxD)</b>	94x19x69 mm / 3.70x0.75x2.71 in
<b>Electrical consumption</b>	< 2 W
<b>Wire cross section range</b>	0.5 to 2.5 mm <sup>2</sup> / 20 to 14 AWG (green connectors) 0.5 to 1.5 mm <sup>2</sup> / 20 to 16 AWG (blue connector)

## Supported load types

HV LED lamps (Dimmable): 200 W  
 Dimmable electronic transformers: 180 W  
 HV LED lamps (Non Dimmable): 110 W (On/Off mode)  
 Incandescent Light bulbs: 200 W  
 HV halogen lamp: 200 W  
 Wound transformer: 200 VA  
 CFL: 50 W

## HOW TO CONNECT



### Legend

#### Device terminals:

**SW1 and SW2:** Switch input terminals controlling 01

**SW3 and SW4:** Switch input terminals controlling 02

**01:** Load circuit 1 output terminal

**02:** Load circuit 2 output terminal

**L:** Live terminal

**N:** Neutral terminal

**LAN:** Ethernet RJ45 connector

#### Wires:

**N:** Neutral wire

**L:** Live (110 - 240 V~ 50/60 Hz) wire