



# Dimmer 0/1-10V PM



## Keep your existing switches

Retrofit your existing lighting system with Shelly Pro Dimmer 0/1-10V PM while keeping your current switches. This smart DIN-rail switch lets you dim lights up or down with a button press, blending modern functionality with your familiar setup.

## Precision Control for Night and Day

Set the perfect lighting for every moment with the Pro Dimmer 0/1-10V PM. At night, "Night Mode" will automatically dim your bathroom or kitchen lights for a gentle glow. You can brighten your driveway lights when parking for better visibility, then automatically dim them to 30% for security and energy savings. With Shelly smart devices, you can easily schedule and manage all your lighting needs, ensuring comfort, safety, and efficiency around the clock.

## Easy integration

Achieve precise, customized lighting control for your professional installations. Control your lighting with precision through our app, voice assistants, or your current switch. A simple button press activates pre-set brightness, while holding it down offers smooth dimming, giving you full control right at your fingertips.



### LAN, Wi-Fi, and Bluetooth connectivity

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



### Light intensity adjustment

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



### Power Monitoring

Shelly Pro Dimmer 0/1-10V PM 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 Pro Dimmer 0/1-10V PM with your other Shelly devices

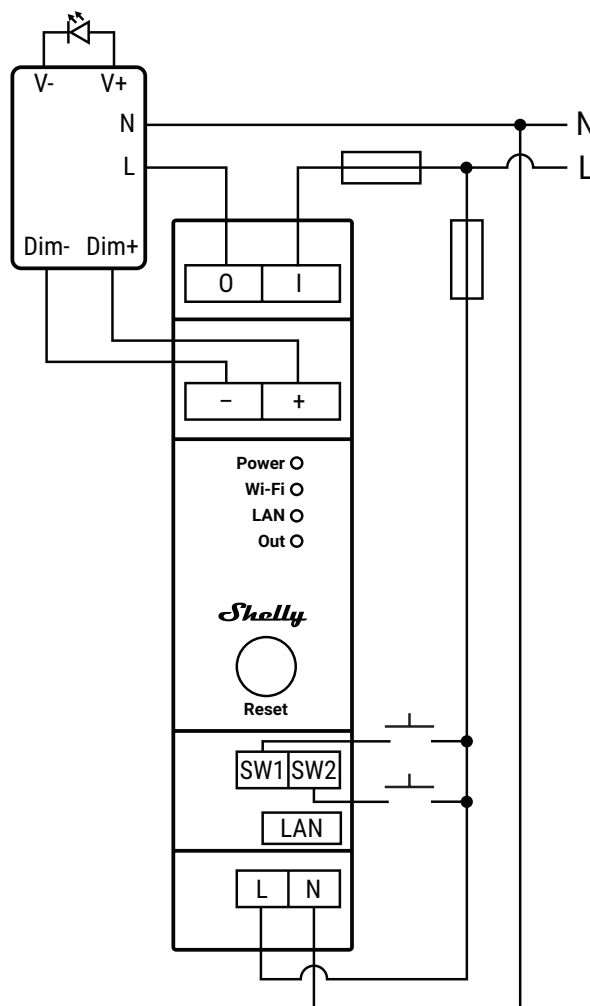
# SMART DIN-MOUNTABLE DIMMING CONTROLLER FOR 0/1-10 V APPLIANCES WITH POWER MEASUREMENT

**Shelly Pro Dimmer 0/1-10V PM** is a DIN-rail mountable 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 0-10V or 1-10V. 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. switching voltage:</b>	240 V
<b>Max. switching current:</b>	16 A
<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>	< 3 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)

## HOW TO CONNECT



### Legend

#### Device terminals

- + : 0-10 VDC positive terminal
- : 0-10 VDC negative terminal
- O : Relay output
- I : Relay input
- SW1 : Switch/button input terminals for light control
- SW2 : Switch/button input terminals for light control
- LAN : Local Area Network RJ 45 connector
- L : Live (110-240 V) terminal
- N : Neutral terminal
- Dim+ / Dim- : Positive/negative terminal of the LED driver
- V+ / V- : Positive/negative output of the LED driver

#### Wires

- N : Neutral wire
- L : Live (110-240 V) wire