

Shelly Pro Dimmer 0/1-10V PM Lighting Controller, WiFi/Bluetooth



Model: ProDim0/1-10VPM

Manufacturer: SHELLY

EAN: 3800235268209

Product Code: 1089070

R1,785

Shelly Pro Dimmer 0/1-10V PM lighting controller

Shelly Pro Dimmer 0/1-10V PM is an advanced controller that allows you to control the light and monitor energy consumption in real time. With support for 0-10V and 1-10V standards, the device works with a variety of light sources, including LEDs, halogens and transformers. Users can use schedules that automatically adjust brightness according to the time of day, and synchronize lighting with sunrise and sunset times. Integration with popular assistants such as Amazon Alexa and Google Home allows users to conveniently control the lighting with voice commands, enhancing user experience and saving energy. The product is designed for DIN rail mounting.

Automation and schedules

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One of the most important advantages of the Shelly Pro Dimmer is the ability to create advanced schedules that automatically adjust brightness depending on the time of day. With this feature, users can synchronize lighting with the natural cycle of the day, which promotes energy savings and increases comfort. In Night mode, the device automatically reduces the brightness of the lighting in the evening hours, which not only helps create a pleasant atmosphere, but also saves energy.

Various operation options

The Shelly Pro Dimmer controller uses Wi-Fi and Bluetooth protocols, and works with popular smart assistants such as Amazon Alexa, Google Assistant and Samsung SmartThings. This allows you to conveniently control your lighting with voice commands. A mobile app is also available, allowing you to remotely manage the controller's functions from anywhere. From it, you can set schedules, create various lighting scenarios and monitor energy consumption.

Precise energy monitoring

The built-in energy monitoring system provides detailed information about the energy consumption of connected light sources. Users can check the consumption in kWh units in real time, which allows them to identify inefficient devices and makes it easier to take energy-saving measures. As a result, electricity bills can be reduced.

Convenience and safety of use

The Shelly Pro Dimmer offers various modes of operation, including the ability to operate single or double dimming via physical buttons. This allows you to use existing switches. As a result, installation of the device is quick and convenient, and users can use the interface they are accustomed to. The controller also provides protection against overload, overvoltage and overheating, increasing safety and reliability.

Complete control in your hands

Shelly's product offers advanced features such as scripts, webhooks and local actions that allow you to customize its operation. This allows you to create unique automation scenarios that perfectly fit your individual lifestyle. Now the light can automatically turn on when someone enters the room,

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and the brightness level can change depending on the time of day. The Shelly Pro Dimmer is an intelligent lighting command center, adapting to changing conditions and preferences.

GENERAL

Manufacturer Shelly
Manufacturer code ProDim0/1-10VPM

PHYSICAL PARAMETERS

Dimensions	94 x 19 x 69 mm / 3.70x0.75x2.71 inches
Weight	70 g / 2.5 oz
Maximum terminal torque	0.4 Nm / 3.54 lbf in
Cross section of wires	0.5-2.5 mm² / 20 to 14 AWG (green connectors), 0.5-1.5 mm² / 20 to 16 AWG (blue connectors)
Wire stripping length	6-7 mm / 0.24-0.28 in (green connectors), 5-6 mm / 0.20-0.24 in (blue connectors)
Mounting	DIN
Housing material	Plastic
Housing color	Blue
Connector color	Green and blue

ENVIRONMENTAL PARAMETERS

Operating temperature -20°C to 40°C / -5°F to 105°F

Humidity	30% to 70% RH
Max altitude	2000 m / 6562 ft

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ELECTRICAL PARAMETERS

Power supply	110-240 V~
Power consumption	3 W
Neutral wire	Not required
Voltage control type 0-10V / 1-10V	Current source
External protection	16 A, breaking characteristics B or C, breaking current 6 kA, energy limitation class 3

CIRCUIT OUTPUT PARAMETERS

Maximum switching voltage 240 V~

Maximum switching current 16 A

SENSORS, METERS

Voltmeter (AC)	Yes
Ammeter (AC)	Yes
Power and energy meters	Active and apparent power, active and apparent energy, power factor, active and reactive fundamental energy
Measurement data memory	No
Internal temperature sensor	Yes

WI-FI

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Protocol	802.11 b/g/n
RF band	2412 - 2472 MHz
Maximum power R	20 dBm
Range	Up to 30 m / 100 ft indoors and up to 50 m / 160 ft outdoors (depending on local conditions)

BLUETOOTH

Protocol	4.2
RF band	2402 - 2480 MHz
Maximum RF power	4 dBm
Range	Up to 10 m / 33 ft indoors and 30 m / 100 ft outdoors (depending on local conditions)

MICROCONTROLLER

CPU	ESP32-D0WDQ6
Clock frequency	40 MHz
Flash memory	8 MB

SOFTWARE FEATURES

Schedules	Support for up to 20 schedules
Webhooks (URL shares)	Up to 20 webhooks, with support for 5 URLs per webhook
Scripts	Yes
MQTT	Yes
Advanced scheduling	Yes

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KVS (Key-Value Storage) Yes

Gross weight: 90, Net weight: 70, Box length: 9,00, Box width: 7,50, Box height: 2,50, GPSR Link:
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