

## PRODUCT CATALOGUE

# Shelly

SMART AUTOMATION SYSTEMS

# TABLE OF CONTENTS

INTRODUCTION .....	3	SHELLY BLU BUTTON 1 .....	72-73
SHELLY SMART CONTROL APP .....	4-5	SHELLY BLU DOOR/WINDOW .....	74-75
SHELLY GEN3 series .....	6-7	SHELLY BLU MOTION .....	76-77
SHELLY 1 Mini Gen3 .....	8-9	SHELLY BLU GATEWAY .....	78-79
SHELLY 1PM Mini Gen3 .....	10-11	SHELLY QUBINO series .....	80-81
SHELLY PM Mini Gen3 .....	12-13	SHELLY QUBINO WAVE 1 .....	82-83
SHELLY H&T Gen3 .....	14-15	SHELLY QUBINO WAVE 1PM .....	84-85
SHELLY PLUS series .....	16-17	SHELLY QUBINO WAVE 2PM .....	86-87
SHELLY PLUS 1 .....	18-19	SHELLY QUBINO WAVE SHUTTER .....	88-89
SHELLY PLUS 1PM .....	20-21	SHELLY QUBINO WAVE i4 .....	90-91
SHELLY PLUS 2PM .....	22-23	SHELLY QUBINO WAVE i4DC .....	92-93
SHELLY PLUS i4 .....	24-25	SHELLY QUBINO WAVE PLUG UK .....	94-95
SHELLY PLUS 0-10 V Dimmer .....	26-27	SHELLY QUBINO WAVE PLUG US .....	96-97
SHELLY PLUS UNI .....	28-29	SHELLY QUBINO WAVE PRO 1 .....	98-99
SHELLY PLUS SMOKE .....	30-31	SHELLY QUBINO WAVE PRO 2 .....	100-101
SHELLY PLUS WALL DIMMER .....	32-33	SHELLY QUBINO WAVE PRO 1PM .....	102-103
SHELLY PLUS PLUG S .....	34-35	SHELLY QUBINO WAVE PRO 2PM .....	104-105
SHELLY PLUS PLUG UK .....	36-37	SHELLY DIMMER2 .....	106-107
SHELLY PLUS PLUG IT .....	38-39	SHELLY RGBW2 .....	108-109
SHELLY PLUS PLUG US .....	40-41	SHELLY EM .....	110-111
SHELLY WALL DISPLAY .....	42-43	SHELLY 3EM .....	112-113
SHELLY PRO series .....	44-45	SHELLY PLUG .....	114-115
SHELLY PRO 1 .....	46-47	SHELLY BUTTON 1 .....	116-117
SHELLY PRO 1PM .....	48-49	SHELLY MOTION 2 .....	118-119
SHELLY PRO 2 .....	50-51	SHELLY H&T .....	120-121
SHELLY PRO 2PM .....	52-53	SHELLY TRV .....	122-123
SHELLY PRO 4PM .....	54-55	SHELLY FLOOD .....	124-125
SHELLY PRO 3 .....	56-57	SHELLY DOOR/WINDOW 2 .....	126-127
SHELLY PRO 3EM .....	58-59	SHELLY GAS .....	128-129
SHELLY PRO 3EM-400 .....	60-61	SHELLY DUO .....	130-131
SHELLY PRO EM-50 .....	62-63	SHELLY DUO RGBW .....	132-133
SHELLY PRO 3EM SWITCH ADD-ON .....	64-65	SHELLY VINTAGE .....	134-135
SHELLY PRO DUAL COVER/SHUTTER PM .....	66-67	ACCESSORIES .....	136
SHELLY PRO DIMMER 1PM .....	68-69	WALL SWITCH FOR SMART DEVICE .....	137
SHELLY PRO DIMMER 2PM .....	70-71		



## MAKE YOUR HOME AND OFFICE SMART

Shelly is a line of home automation devices that allows customers to control their home directly through a mobile phone or with a preferred home assistant. Shelly's devices are retrofit, which makes them suitable for every electrical installation with no need of additional changes or improvements.

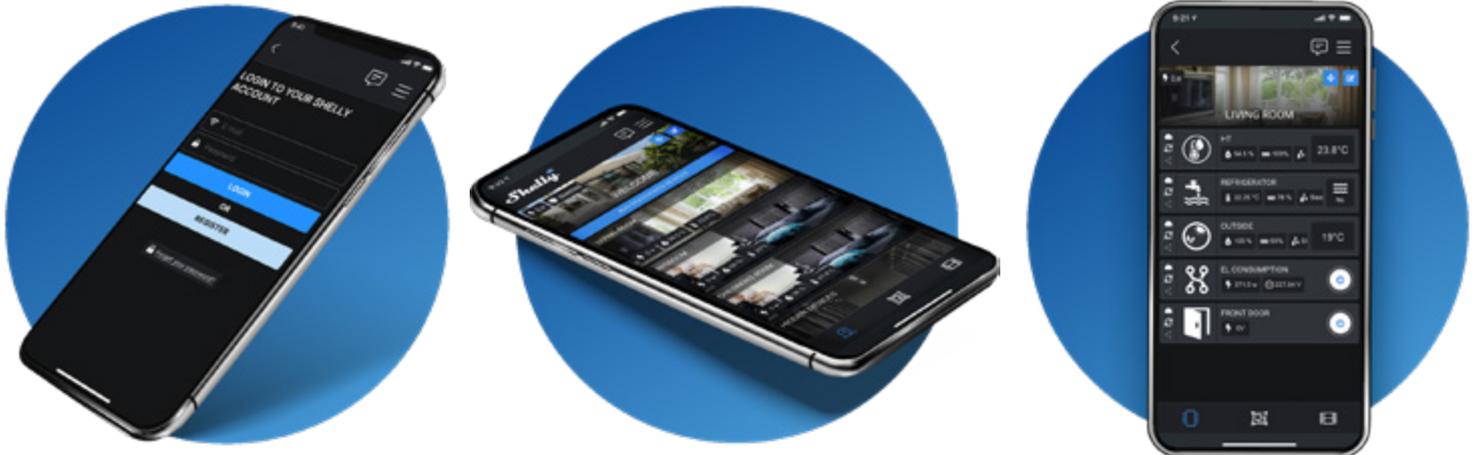
### **With Shelly you can:**

- > Control the lights by adjusting brightness, colors, and set custom schedules.
- > Control the home appliances or office equipment from anywhere.
- > Save energy and money with precise power metering.
- > Set custom automation features.
- > Monitor temperature, humidity, and brightness.
- > Receive immediate notifications in case of any status changes.
- > Power consumption control

All Shelly devices are designed to offer maximum comfort of living, safety and easy installation.



# SHELLY SMART CONTROL APP



## **CONTROL YOUR HOME AND OFFICE WHEREVER YOU ARE! NO HUB REQUIRED!**

All Shelly devices have:

- Embedded Web server
- Wi-Fi control and connectivity
- APIs for observation and control

## **YOUR SHELLY ACCOUNT**

Shelly App user account is required to access, include, and control Shelly devices through the application. Once Shelly account is registered,

- Connect to existing W-Fi network or use Access Point mode locally to control Shelly devices
- Include, manage, and operate as many Shelly devices needed
- Configure devices and manage individual settings to every device individually
- Set custom scheduling for automatic actions by Shelly devices
- Create personalized rooms for more convenient control of the devices
- Define custom Groups to control multiple devices with one command in the app
- Build simple and complex scenes by combining Shelly devices to trigger certain actions in your home automation
- Monitor current and past electrical power consumption of the electrical circuit(s) and loads (for Shelly devices equipped with Power measuring capabilities)
- Build complex automation solutions for improved energy and operational efficiency
- Real time alerts and notifications based on your preference

## FREE MOBILE APP



## SHELLY CLOUD SERVICES

Shelly App offers possibility to control all Shelly devices remotely from any internet connection by using the Shelly Cloud Services – our own free cloud service with data storage.

## HIGHLY COMPATIBLE!

Shelly devices are compatible with the most widely accepted both local and cloud based home automation platforms. Having a Shelly user account is necessary to include your Shelly devices to home automation platform.

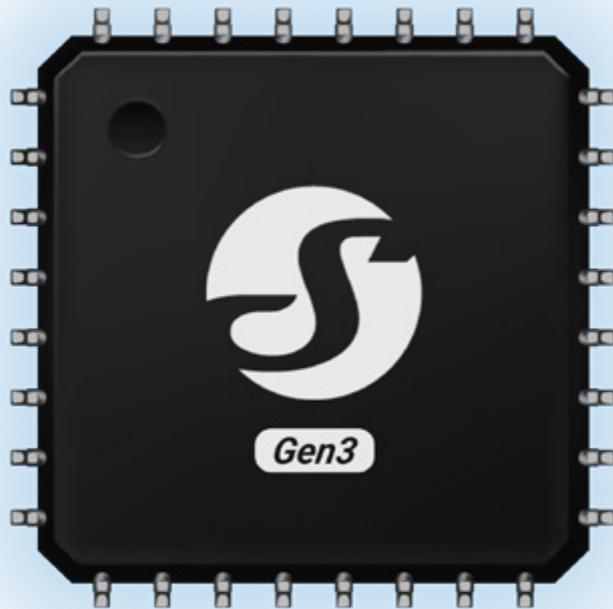
All Shelly devices come with a REST API documentation, which is available at <http://shelly-api-docs.shelly.cloud/>

MQTT is supported by our firmware, which provides additional flexibility in the integration of Shelly to your home automation solution. And more integrations are added frequently.



# Shelly **Gen3**

**Powered by Shelly Chip**



**More Memory, More Power**

8 MB  
Memory

Matter  
Upgradable

Virtual  
Components

## ON THE ROAD TO MATTER

Each Gen3 device is engineered to be upgradable to Matter. The doubled memory, compared to Plus series, guarantees a smooth update process, paving the way for new smart capabilities and integrations.

\*dependent on the extent of Matter's functionalities support

## MORE MEMORY, MORE POWER

The Gen3 series ensures the quality and reliability of our devices by using our own powerful Shelly chip. Boasting 8 MB of memory, this dramatically improves device performance and efficiency. This significant increase in memory not only guarantees smoother and faster operation but also equips the Gen3 series for the introduction of new capabilities.

## UNIFIED CONTROL WITH VIRTUAL COMPONENTS

Gen3 Series introduces “virtual components”, transforming how you manage and control 3rd party devices. Within the Shelly Smart Control app, you can now create virtual devices, integrating non-Shelly products into a unified control system. This feature provides streamlined control of all your smart devices, regardless of brand, from a single interface.



# Shelly <sup>Gen3</sup> 1 MINI



## LIGHTING CONTROL WHEREVER YOU NEED IT

Thanks to its compact size, Shelly Mini 1 Gen3 can discreetly fit within the ceiling rose of your lamp or in jammed wall boxes. Once installed, Shelly Mini 1 Gen3 enables you to effortlessly control your lights or other appliances using the Smart Control App, your preferred platform, or voice assistant. Easily customize your lights according to your daily routine with personalized schedules and save on energy. Set your hallway lights to automatically switch off past your family's bedtime, ensuring a peaceful night's sleep. And don't worry - you can still use your light switches manually to suit the needs of everyone in your home.



## CONTROL YOUR GARAGE DOOR

Shelly 1 Mini Gen3's compact design allows for flexible placement options, enabling you to install it directly within the garage door opener's housing or even near the motor. Its 8A power handling capability ensures reliable garage door control, allowing you to conveniently operate your garage door remotely without the need for bulky external modules.



### Wi-Fi operated

Connect Shelly 1 Mini Gen3 to your Wi-Fi network. No HUB required.



### Bluetooth

Add devices quickly and easily via Bluetooth connection, using Shelly Smart Control App.



### Dry contacts

Use a wide range of output voltage levels. Supports low voltages.



### Extremely fast processor

For immediate command execution and notification.



### Enhanced safety

Over-temperature protection for prevention of failures.



### Enhanced security

MQTT and WSS support, TLS certificate support and management for a broad range of use cases.



### Improved API interface

Broad range of cloud connections and local integrations.



### No hub required

Control directly without a hub through your smartphone with Shelly Smart Control App.



### Highly compatible

Use with your preferred home automation platforms and voice assistants.

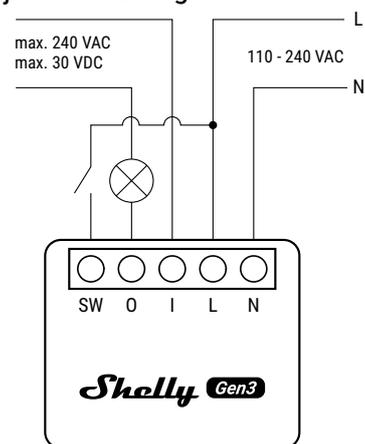


# Make any small electrical appliance smart

**Shelly 1 Mini Gen3** is a small form factor smart switch with potential-free contacts, which allows remote control of electric appliances through a mobile phone, tablet, PC, or home automation system. It can work standalone in a local Wi-Fi network or it can also be operated through cloud home automation services. Shelly 1 Mini Gen3 can be accessed, controlled and monitored remotely from any place where the User has internet connectivity, as long as the device is connected to a Wi-Fi router and the Internet. It can be retrofitted into standard electrical wall boxes, behind power sockets and light switches or other places with limited space. Shelly 1 Mini Gen3 has embedded Web Interface which can be used to monitor and control the device, as well as adjust its settings.

## TECHNICAL SPECIFICATIONS

<b>Power Supply</b>	• 110-240 VAC, 50/60 Hz
<b>Complies with EU standards</b>	• RED 2014/53/EU • LVD 2014/35/EU • EMC 2014/30/EU • RoHS2 2011/65/EU
<b>Max switching voltage AC</b>	240 V
<b>Max switching voltage DC</b>	30 V
<b>Max switching current AC</b>	8 A
<b>Max switching current DC</b>	5 A
<b>Working temperature</b>	-20°C to 40°C / -5°F to 105°F
<b>Max RF power</b>	<20 dBm
<b>Wi-Fi protocol</b>	802.11 b/g/n
<b>Frequency</b>	2400 - 2495 MHz
<b>Operational range Wi-Fi (depending on local conditions)</b>	• Up to 30 m / 100 ft indoors • Up to 50 m / 160 ft outdoors
<b>Operational range Bluetooth (depending on local conditions)</b>	• Up to 10 m / 33 ft indoors • Up to 30 m / 100 ft outdoors
<b>Dimensions</b>	29x34x16 mm / 1.11x1.34x0.63 in
<b>CPU</b>	ESP-Shelly-C38F
<b>Flash</b>	8 MB
<b>Power consumption</b>	< 1.2 W



### Legend

#### Device terminals:

**SW:** Switch input terminal

**O:** Relay output terminal

**I:** Relay input terminal

**L:** Live (110-240 VAC) terminal

**N:** Neutral terminal

#### Wires:

**N:** Neutral wire

**L:** Live (110 - 240 VAC) wire



# Shelly <sup>Gen3</sup> 1PM MINI



## TRACK YOUR POWER CONSUMPTION AND SAVE MONEY

Tailored for measuring the power consumption of appliances up to 8 A, Shelly 1PM Mini Gen3 is perfectly suited for monitoring smaller devices, including personal electronics, fans, lighting fixtures, and kitchen gadgets. By using it to monitor power consumption, you can manage energy usage and make informed adjustments to reduce electricity costs. Shelly 1PM Mini Gen3 offers free data storage, providing access to historical data for analysis and comparison, which can also help you identify devices consuming excessive power or working unnecessarily.



## MAKE ANY SMALL ELECTRICAL APPLIANCE SMART

Transform old electrical appliances, like small heaters or kitchen gadgets into smart devices with Shelly 1PM Mini Gen3. It provides precise power monitoring, allowing you to track energy consumption in real-time, and gives you remote control over appliances, no matter where you are. You can wire it behind your socket or even inside the appliance's casing. Create custom schedules for your appliances based on your daily routine to save energy and set smart scenes to be prepared for any unexpected occurrences in your home!



### Power metering with data storage

Provides precise monitoring of the power consumption.



### Wi-Fi operated

Connect Shelly 1 PM Mini Gen3 to your Wi-Fi network.



### Bluetooth

Add devices quickly and easily via Bluetooth connection, using Shelly Smart Control App.



### Extremely fast processor

For immediate command execution and notification



### Enhanced safety

Over-temperature protection for prevention of failures.



### Enhanced security

MQTT and WSS support, TLS certificate support and management for a broad range of use cases.



### Improved API interface

Broad range of cloud connections and local integrations.



### No hub required

Control directly without a hub through your smartphone with Shelly Smart Control App



### Highly compatible

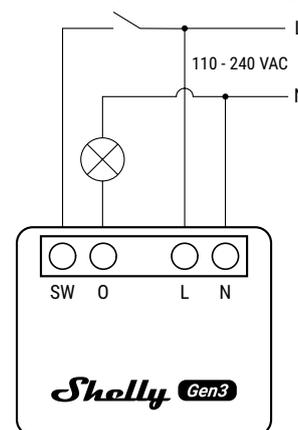
Use with your preferred home automation platforms and voice assistants.

# Smart control and precise power monitoring

**Shelly 1PM Mini Gen3** is a small form factor smart switch with power measurement, which allows remote control of electric appliances through a mobile phone, tablet, PC, or home automation system. It can work standalone in a local Wi-Fi network or it can also be operated through cloud home automation services. Shelly 1PM Mini Gen3 can be accessed, controlled and monitored remotely from any place where the User has internet connectivity, as long as the device is connected to a Wi-Fi router and the Internet. It can be retrofitted into standard electrical wall boxes, behind power sockets and light switches or other places with limited space. Shelly 1PM Mini Gen3 has embedded Web Interface which can be used to monitor and control the device, as well as adjust its settings.

## TECHNICAL SPECIFICATIONS

<b>Power Supply</b>	110-240 VAC, 50/60 Hz
<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>Max switching voltage AC</b>	240 V
<b>Max switching voltage DC</b>	N/A
<b>Max switching current AC</b>	8 A
<b>Max switching current DC</b>	N/A
<b>Working temperature</b>	-20°C to 40°C / -5°F to 105°F
<b>Max RF power</b>	<20 dBm
<b>Wi-Fi protocol</b>	802.11 b/g/n
<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>Operational range Bluetooth (depending on local conditions)</b>	<ul style="list-style-type: none"> <li>• Up to 10 m / 33 ft indoors</li> <li>• Up to 30 m / 100 ft outdoors</li> </ul>
<b>Dimensions</b>	29x34x16 mm / 1.11x1.34x0.63 in
<b>CPU</b>	ESP-Shelly-C38F
<b>Flash</b>	8 MB
<b>Power consumption</b>	< 1.2 W



### Legend

#### Device terminals:

- SW:** Switch input terminal
- O:** Relay output terminal
- L:** Live (110-240V) terminal
- N:** Neutral terminal

#### Wires:

- N:** Neutral wire
- L:** Live wire (110 - 240 VAC)



# Shelly Gen3 PM MINI



## PREVENTATIVE MONITORING

When an electrical appliance is damaged, it increases the amount of energy used in an attempt to compensate for its operational capacity. Shelly PM Mini Gen3 will fit anywhere you need it to and can immediately report the increase in energy consumption, saving you additional expenses on repairs or equipment replacement.

## POWER CONSUMPTION ANALYSIS FOR COST OPTIMIZATION

Shelly PM Mini's gen3 smart energy metering will help you identify and eliminate any redundant energy consumption from each connected appliance around your home or facility. Together with smart scenes, you can use Shelly PM Mini's Gen3 data to set off scenarios, such as turning off appliances during a spike to protect them or during the night to save energy.



### Power Meter

Provides precise monitoring of the power consumption



### Wi-Fi operated

Connect Shelly Plus PM Mini to your Wi-Fi network.



### Bluetooth

Add devices quickly and easily via Bluetooth connection, using Shelly Smart Control App.



### Extremely fast processor

For immediate command execution and notification



### Enhanced safety

Over-temperature protection for prevention of failures.



### Enhanced security

MQTT and WSS support, TLS certificate support and management for a broad range of use cases.



### Improved API interface

Broad range of cloud connections and local integrations.



### No hub required

Control directly without a hub through your smartphone with Shelly Smart Control App



### Highly compatible

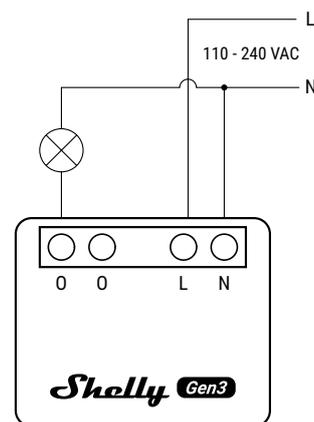
Use with your preferred home automation platforms and voice assistants.

# Track your power consumption and save money

**Shelly Plus PM Mini** is a small form factor power meter. It provides professional integrators with additional options for end-customer solutions. It can work standalone in a local Wi-Fi network, or it can also be operated through cloud home automation services through MQTT, HTTP, and WebSocket. All inbound connections support TLS. Shelly Plus PM Mini can be accessed, set up, and monitored remotely by the User, as well as the Device can access and communicate with an automation system, as long as they are in the same network infrastructure. The Device has an embedded Web Interface which can be used to monitor and control the device, as well as adjust its settings. **The Device does not have a built-in relay.**

## TECHNICAL SPECIFICATIONS

<b>Power Supply</b>	• 110-240 VAC, 50/60 Hz
<b>Complies with EU standards</b>	• RED 2014/53/EU • LVD 2014/35/EU • EMC 2014/30/EU • RoHS2 2011/65/EU
<b>Max measurement voltage</b>	240 V
<b>Max measurement current</b>	16 A
<b>Max measurement power</b>	3840 W
<b>Working temperature</b>	-20°C to 40°C / -5°F to 105°F
<b>Max RF power</b>	<20 dBm
<b>Wi-Fi protocol</b>	802.11 b/g/n
<b>Frequency</b>	2400 - 2495 MHz
<b>Operational range Wi-Fi (depending on local conditions)</b>	• Up to 30 m / 100 ft indoors • Up to 50 m / 160 ft outdoors
<b>Operational range Bluetooth (depending on local conditions)</b>	• Up to 10 m / 33 ft indoors • Up to 30 m / 100 ft outdoors
<b>Dimensions</b>	29x34x16 mm / 1.11x1.34x0.63 in
<b>CPU</b>	ESP-Shelly-C38F
<b>Flash</b>	8 MB
<b>Power consumption</b>	< 1.2 W



### Legend

#### Device terminals:

**O:** Output terminals (bridged internally)

**L:** Live (110-240V) terminal

**N:** Neutral terminal

#### Wires:

**N:** Neutral wire

**L:** Live wire (110 - 240 VAC)



# Shelly<sup>Gen3</sup> H&T



## INTELLIGENT HUMIDITY CONTROL

Maintain a healthy environment in your bathroom with the Shelly H&T Gen3. By integrating the sensor with Shelly Plus 1 wired to your bathroom fan, you can automate humidity control with ease. Set a scene where, upon detecting high humidity levels, the Shelly Plus 1 activates the fan, effectively reducing moisture. This adds a touch of convenience to your daily routine, ensuring your bathroom remains comfortable and dry, automatically.



## DUAL-POWERED

### 4 x Regular 1.5 V AA (LR) batteries

When used with batteries, Shelly H&T Gen3 has over one year of battery life thanks to its low energy-consuming display.

### USB Power supply

Shelly H&T Gen3 is enhanced with a type-C USB slot. While it cannot be used to charge the device's batteries, it allows for continuous power, faster connection and more frequent reports.



### Wi-Fi Operated

Connect Shelly H&T Gen3 to your Wi-Fi network. No HUB required



### Bluetooth connectivity

Quick inclusion via Bluetooth or use it as a Bluetooth gateway



### Measures humidity

Monitor changes in humidity levels to avoid dryness and mold growth



### Measures temperature

Be aware of temperature fluctuations and maintain comfortable conditions



### Free data history

Features up to 1 year of free data storage for analysis and statistics



### Long battery life

Over 1 year of battery life and a USB type-C slot for continuous power

# EXCEPTIONAL PERFORMANCE

Discover the power of enhanced memory with Shelly H&T Gen3. Equipped with our Shelly chip featuring 8 MB of memory, it doubles the efficiency and responsiveness. The leap in memory capacity prepares Gen3 devices for upcoming features, and provides smoother operation and quicker responses, ensuring your environment is monitored with unparalleled precision and ease.

## TECHNICAL SPECIFICATIONS

<b>Power Supply</b>	<ul style="list-style-type: none"><li>• Batteries: 4 AA (LR6) 1.5 V (batteries not included)</li><li>• USB power supply: Type-C (cable not included)</li></ul>
<b>Low battery consumption</b>	Up to 1-year life of the batteries
<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>CPU</b>	ESP-Shelly-C38F
<b>Ambient temperature</b>	0 °C to 40 °C / 32 °F to 104 °F
<b>Max RF power</b>	20 dBm
<b>Radio protocol</b>	Wi-Fi 802.11 b/g/n
<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>Bluetooth protocol</b>	4.2
<b>Bluetooth operational range (depending on local conditions)</b>	<ul style="list-style-type: none"><li>• Up to 30 m / 100 ft outdoors</li><li>• Up to 10 m / 33 ft indoors</li></ul>
<b>Dimensions</b>	<ul style="list-style-type: none"><li>• without stand: 70x70x26 mm / 2.76x2.76x1.02 in</li><li>• with stand: 70x70x45 mm / 2.76x2.76x1.77 in</li></ul>
<b>CPU</b>	ESP-Shelly-C38F
<b>Flash</b>	8 MB
<b>Electrical consumption</b>	<ul style="list-style-type: none"><li>• Sleep mode <math>\leq 32\mu\text{A}</math></li><li>• Setup mode <math>\leq 76\text{mA}</math></li></ul>

## NOW IN MORE MATTE COLORS

Experience the perfect blend of functionality and fashion with Shelly H&T Gen3, now available in three new colors. Whether you prefer a subtle touch or a bold statement, the Shelly H&T Gen3 adapts to your style, ensuring your home's comfort and design are in perfect harmony. It's not just about functionality; it's about complementing your living space with a device that feels like it was made just for you.



# EXCEPTIONAL FACILITY AUTOMATION AND CONTROL

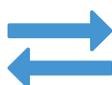
Shelly smart switches now come with perfected electrical appliances control through an extremely fast processor, quicker connectivity, improved integration, and enhanced safety! You can now add devices easily via Bluetooth connection, using Shelly Smart Control App. Shelly Plus line supports TLS encryption and has an improved shell for standardized support for external sensor plugs.



Extremely fast processor



Bluetooth connectivity



Improved integration

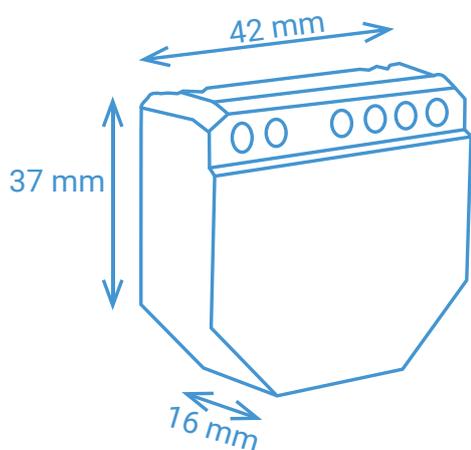


Enhanced safety

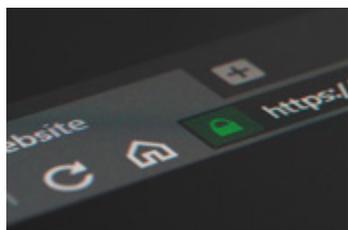


Scripting

## IMPROVED AND COMPACT SHELL



Shelly Plus line comes in a unified and improved form with small dimensions that allow easy fit behind any wall switch or wall socket, and are fully retrofit. Each Plus line device comes with a wiring diagram printed on its shell to ensure safe and easy installation.



### HTTP/HTTPS webhooks

Get notifications or control another compatible equipment or 3rd party automation system.



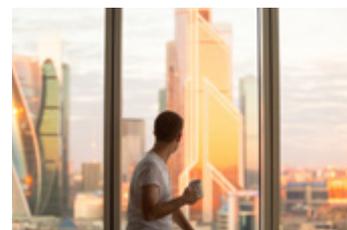
### Scripting for custom automation

Get enhanced functionalities and additional processes settings for a specific integration or function.



### Weekly scheduling automation

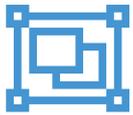
Quickly set actions based on your daily or weekly schedule.



### Smart actions for dynamic control

Set Shelly Plus devices to switch on/off the power, based on the Sunset/Sunrise hour and enjoy dynamic control.

# Shelly PLUS



Improved API interface



Standardized RPC



Lower implementation cost

## IMPROVED INTEGRATION

Shelly Plus line has an improved API interface and standardized RPC, allowing a broad range of cloud-connected and local integrations for a much lower cost for implementation. Scripting functionalities allow customization of home automation experience with a specific integration.

## ENHANCED SAFETY & SECURITY

Shelly Plus line provides enhanced safety with additional temperature sensing software thresholds for control and prevention of failures. Devices' firmware now supports more encryption modes and secure storage.

An improve security is guaranteed by MQTT and WSS support, as well as custom certificates support for a broad range of use cases. Devices can be used with your one local or a centralized server, keeping them fully isolated from the public Internet.



Overtemperature protection



Failures prevention

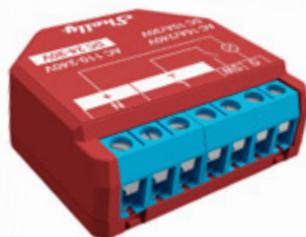


MQTT and WSS support

## SHELLY PLUS LINE



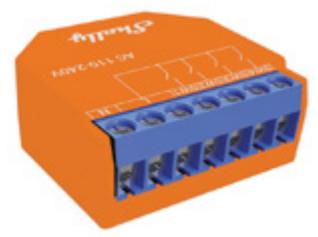
SHELLY PLUS 1



SHELLY PLUS 1PM



SHELLY PLUS 2PM



SHELLY PLUS i4

# Shelly PLUS 1



## LIGHTS THAT FOLLOW YOUR SCHEDULE

Automate your lights with Shelly Plus 1 and use Shelly App to set automated scenes based on hour or sunset/sunrise or based on the hour you come back from work.

## GARAGE DOOR CONTROL

Easily automate your garage door and control it no matter where you are! Shelly Plus 1 has operational voltages of 12 VDC and 24-48 VDC.



## IRRIGATION SYSTEM THAT FOLLOWS THE WEATHER

Use scripting functionalities and Shelly Plus 1 to automate your irrigation system. That way it will water your garden only when it is sunny, skipping the rainy days.



### Wi-Fi operated

Connect Shelly Plus 1 to your Wi-Fi network. No HUB required.



### Bluetooth

Add devices quickly and easily via Bluetooth connection, using Shelly Smart Control App.



### Dry contacts

Use a wide range of output voltage levels. Supports low voltages.



### Extremely fast processor

For immediate command execution and notification.



### Enhanced safety

Over-temperature protection for prevention of failures.



### Enhanced security

MQTT and WSS support, TLS certificate support and management for a broad range of use cases.



### Improved API interface

Broad range of cloud connections and local integrations.



### No hub required

Control directly without a hub through your smartphone with Shelly Smart Control App.



### Highly compatible

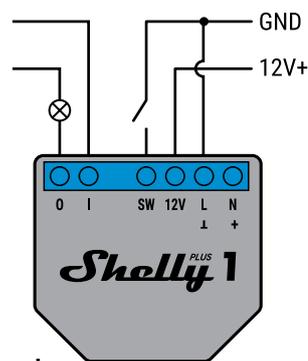
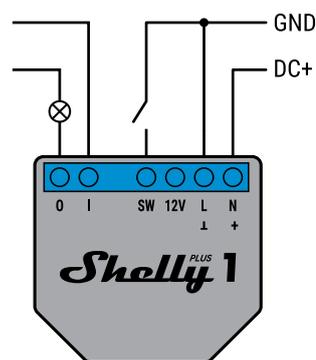
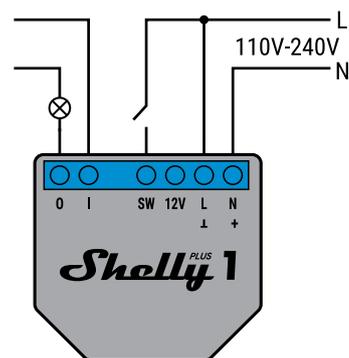
Use with your preferred home automation platforms and voice assistants.

# PERFECTED HOME AUTOMATION EXPERIENCE AND ENHANCED LIGHTING CONTROL!

Intended for mounting behind the wall switch console or power socket, **Shelly Plus 1** brings enhanced control and automatization of the lights, garage door, the irrigation system, bathroom fan, and pretty much every old electrical appliances. Thanks to its small dimensions, it can fit even in the tiniest spaces.

## TECHNICAL SPECIFICATIONS

<b>Power supply</b>	<ul style="list-style-type: none"> <li>• 110-240 VAC, 50/60 Hz</li> <li>• 24-48 VDC</li> <li>• 12 VDC</li> </ul>
<b>Max load</b>	16 A / 15 A UL version
<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>	13.45 dBm
<b>Wireless/Wi-Fi Protocol</b>	802.11 b/g/n (2.4 GHz)
<b>Frequency</b>	2400 - 2495 MHz
<b>Operational range (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 (HxWxL)</b>	42x37x16 mm / 1.46x1.65x0.63 in
<b>Electrical consumption</b>	< 1.2 W
<b>CPU</b>	ESP-32
<b>Flash</b>	4 MB
<b>Wire cross section range</b>	0.5 to 1.5 mm <sup>2</sup> / 20 to 16 AWG



### Legend

#### Terminals:

- N:** Neutral terminal
- L:** Live (110-240 V) terminal
- O:** Output terminal
- I:** Input terminal
- SW:** Switch terminal
- +**: DC positive terminal (24-48 V)
- ⊥:** DC ground terminal
- 12 V:** DC positive terminal (12 V stabilized)

#### Wires:

- N:** Neutral wire
- L:** Live (110-240 V) wire
- GND:** DC ground wire
- DC+:** DC positive (24-48 V) wire
- 12V+:** DC positive (12 V) wire

# Shelly <sup>PLUS</sup> 1PM



## TRACK THE POWER CONSUMPTION

Shelly Plus 1PM has an integrated precise power meter that allow you to measure the power consumption and features free data storage for analysis.



## HEATING CONTROL ON SCHEDULE

Set Shelly Plus 1PM to turn on the heating appliances in your house an hour before you come from work. Remotely monitor the power consumption of your heaters to make sure they're running and warming up.



## APPLIANCES AUTOMATION

Get precise measurement of the power consumption of your home appliances and switch them on/off remotely, no matter where you are.



### Power metering with data storage

Provides precise monitoring of the power consumption.



### Wi-Fi operated

Connect Shelly Plus 1 PM to your Wi-Fi network.



### Bluetooth

Add devices quickly and easily via Bluetooth connection, using Shelly Smart Control App.



### Extremely fast processor

For immediate command execution and notification



### Enhanced safety

Over-temperature protection for prevention of failures.



### Enhanced security

MQTT and WSS support, TLS certificate support and management for a broad range of use cases.



### Improved API interface

Broad range of cloud connections and local integrations.



### No hub required

Control directly without a hub through your smartphone with Shelly Smart Control App



### Highly compatible

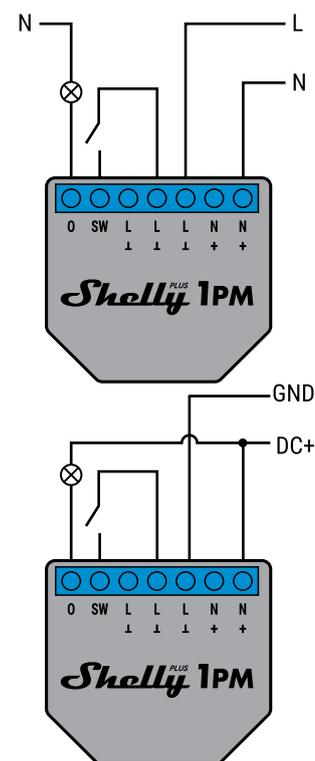
Use with your preferred home automation platforms and voice assistants.

# NEXT GENERATION APPLIANCES CONTROL WITH PRECISE POWER METERING

Small enough to fit behind any wall switch or wall socket, **Shelly Plus 1PM** is designed for retrofit applications and can be installed in less than 10 minutes. From automatization of the lights to electrical appliances control, Shelly Plus 1PM provides precise power metering and free cloud data storage.

## TECHNICAL SPECIFICATIONS

<b>Power supply</b>	<ul style="list-style-type: none"> <li>• 110-240 VAC, 50/60 Hz</li> <li>• 24-30 VDC</li> </ul>
<b>Max load</b>	16 A / 15 A UL version
<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>	13.38 dBm
<b>Wireless/Wi-Fi Protocol</b>	802.11 b/g/n (2.4 GHz)
<b>Frequency</b>	2400 - 2495 MHz
<b>Operational range (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 (HxWxL)</b>	42x37x16 mm / 1.46x1.65x0.63 in
<b>Electrical consumption</b>	< 1.2 W
<b>CPU</b>	ESP-32
<b>Flash</b>	4 MB
<b>Wire cross section range</b>	0.5 to 1.5 mm <sup>2</sup> / 20 to 16 AWG



### Legend

#### Terminals:

- N:** Neutral terminal
- L:** Live (110-240 V) terminal
- O:** Output terminal
- SW:** Switch terminal
- +**: DC positive terminal
- ⊥:** DC ground terminal

#### Wires:

- N:** Neutral wire
- L:** Live (110-240 V) wire
- GND:** DC ground wire
- DC+:** DC positive (24-30 V) wire



# Shelly PLUS 2PM



## CURTAINS THAT FOLLOW YOUR SCHEDULE

Use the “Schedules” function to create the perfect morning/evening routines by setting Shelly Plus 2PM to open/close the curtains in your home at pre-set hours every day.

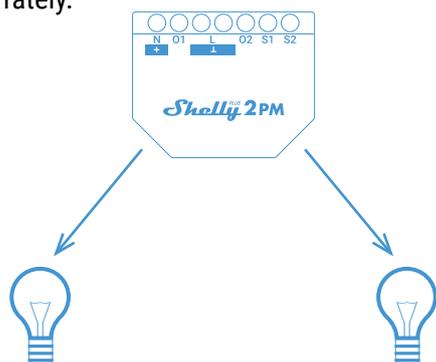
## AWNING THAT FOLLOWS THE FORECAST

Set Shelly Plus 2PM to close your garden awning in case of a strong wind to prevent it from breaking.



## CONTROL 2 LIGHTS WITH ONE DEVICE

Shelly Plus 2PM allows you to control and monitor two different circuits, measuring their consumption separately.



### Wi-Fi operated

Connect Shelly Plus 2PM to your Wi-Fi network. No HUB required.



### Bluetooth

Add devices quickly and easy via Bluetooth connection, using Shelly Smart Control App.



### Power metering with data storage

Provides precise monitoring of the power consumption.



### Cover (roller) and position control

Control two-directional AC motors and set your desired position.



### Wide range of voltage support

Can be powered by 110-240V AC & 24V DC, and supports up to 10A per channel and 16A total.



### Extremely fast processor

For immediate command execution and notification.



### Enhanced safety

Over-temperature protection for prevention of failures.



### Enhanced security

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



### Improved API interface

Broad range of cloud connections and local integrations.



### No hub required

Control directly and without a hub through your smartphone with Shelly Smart Control App.



### Highly compatible

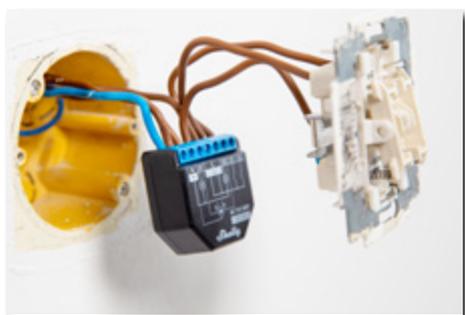
Use with your preferred home automation platforms and voice assistants.

# NEXT GENERATION 2-CHANNEL SWITCH WITH COVER AND POSITION CONTROL

**Shelly Plus 2PM** allows automation of roller shutters, blinds, curtains, awnings, gates, and any bi-directional AC motors. Two integrated precise power meters allow you to measure the consumption for each channel separately. Shelly Plus 2PM has scripting functionalities for customized features and even more intuitive automation.

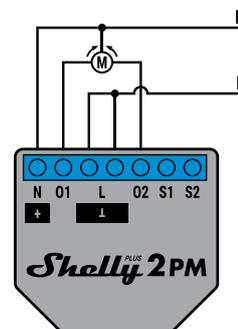
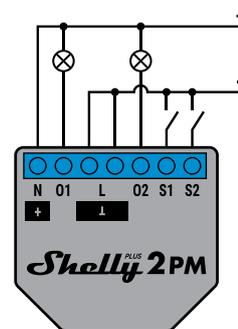
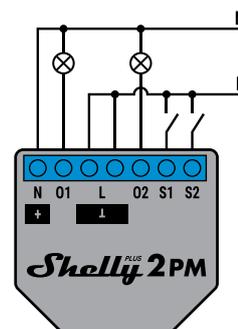
## TECHNICAL SPECIFICATIONS

<b>Power supply</b>	<ul style="list-style-type: none"> <li>• 110-240 VAC, 50/60Hz</li> <li>• 24 VDC ±10%,</li> </ul>
<b>Max load per channel</b>	10 A / 8 A UL version
<b>Max. device load</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 (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 (HxWxL)</b>	42x37x16 mm / 1.46x1.65x0.63 in
<b>Electrical consumption</b>	< 1,4 W
<b>Wire cross section range</b>	0.5 to 1.5 mm <sup>2</sup> / 20 to 16 AWG



### USE SHELLY PLUS 2PM TO AUTOMATE:

- ✓ Blinds
- ✓ Roller Shutters
- ✓ Curtains
- ✓ Awnings
- ✓ Garage Doors
- ✓ Lights



#### Legend

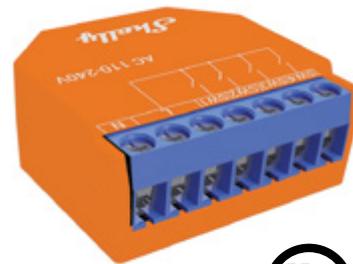
##### Device terminals:

- O1:** Load circuit 1 output terminal
- O2:** Load circuit 2 output terminal
- S1:** Switch (controlling O1) input terminal
- S2:** Switch (controlling O2) input terminal
- L:** Live (110-240 VAC) terminals
- N:** Neutral terminal
- +**: 24 VDC positive terminal
- : 24 VDC negative terminal

##### Wires:

- N:** Neutral wire
- L:** Live (110-240 VAC) cable
- +**: 24 VDC positive wire
- : 24 VDC negative wire

# Shelly PLUS i4



## COMPLEX SCENE ACTIVATION

Manually activate or deactivate complex scenes. With Shelly Plus i4 you can run synchronized actions of several Shelly devices. You can install Shelly Plus i4 close to the front door of your home and turn off/on all the lights in your house with one push of the button, saving you time when you are in a hurry.



## MANUAL CONTROL OF OTHER SHELLEY DEVICES



### Wi-Fi operated

Connect Shelly Plus i4 directly to your Wi-Fi network.



### Bluetooth

Add devices quickly and easy via Bluetooth connection, using Shelly Smart Control App



### Wide range of voltage support

Shelly Plus i4 can be powered by 110-240 V AC



### Multi-actions support

Up to 12 possible actions.



### Extremely fast processor

For immediate command execution and notification



### Enhanced security

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



### Improved API interface

Broad range of cloud connections and local integrations.



### No hub required

Control directly and without a hub through your smartphone with Shelly Smart Control App.



### Highly compatible

Use with your preferred home automation platforms and voice assistants

# SMART SCENES ACTIVATION WITH ENHANCED CONTROL

Shelly Plus i4 allows customers to manually activate or deactivate any created scene, run synchronized actions, or execute complex trigger scenarios. Shelly Plus i4 can control other connected Shelly switches, sensors, or HTTP and MQTT-controlled devices. Thanks to its small dimensions, it can fit behind every wall switch.

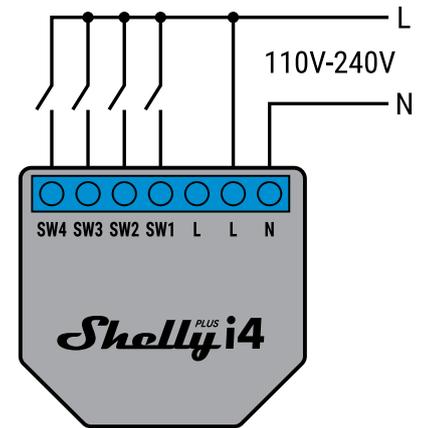
## TECHNICAL SPECIFICATIONS

<b>Power Supply</b>	• 110-240 VAC, 50/60 Hz
<b>Multi-click support</b>	Up to 12 possible actions (3 per button)
<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>	14.9 dBm
<b>Radio protocol</b>	Wi-Fi 802.11 b/g/n
<b>Frequency</b>	2400 - 2495 MHz
<b>Operational range (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</b>	42x37x16 mm / 1.46x1.65x0.63 in
<b>Electrical consumption</b>	< 1 mW
<b>Wire cross section range</b>	0.5 to 1.5 mm <sup>2</sup> / 20 to 16 AWG



### Smart Bulbs control like never before

Whether you use Shelly Wi-Fi bulbs or different brands smart bulbs, Shelly Plus i4 is highly compatible and can control them all! Furthermore, you can use Shelly Plus i4 to set the light color you want or for dimming of your smart bulbs. All you have to do is add and configure one of our scripts or webhooks created specifically for Shelly Plus i4



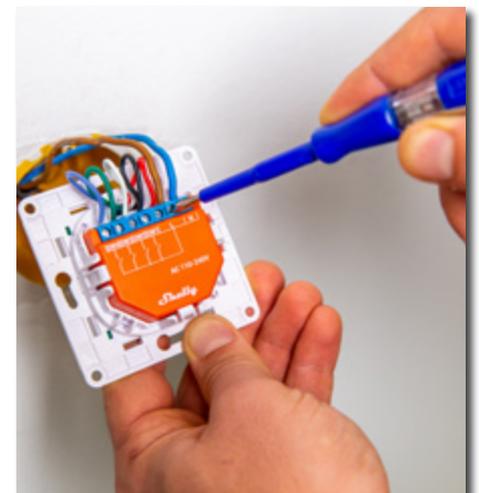
#### Legend

##### Terminals:

- N:** Neutral terminal
- L:** Live (110-240V) terminal
- SW1:** Switch terminal
- SW2:** Switch terminal
- SW3:** Switch terminal
- SW4:** Switch terminal

##### Wires:

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



# Shelly PLUS

## 0-10 V Dimmer



### BRIGHTNESS THAT SUITS YOUR ACTIVITIES

Depending on your activities and the time of day, different types of light and luminosity are suitable. With Shelly Plus 0-10 V Dimmer, you can align the minimum and maximum brightness levels with your driver's range for exact precision when adjusting your lights. Whether you want to set the ambiance for a relaxing evening or ensure the best brightness for focused tasks, it grants you fine-tuned control to match every moment. No need to navigate through the app - just use your voice!



### PERSONALIZED LIGHT SCHEDULES

Shelly Plus 0-10 V Dimmer can effortlessly blend with your daily routine. Consider bedtime: Many kids prefer to fall asleep with the lights turned on. You can set schedules that, over an hour, gently dim the room before switching the lights off completely. That way, the little one will be comfortably asleep, and no energy will go to waste!



#### Wi-Fi operated

Connect Shelly Plus 0-10 V Dimmer to your Wi-Fi network. No HUB required!



#### Bluetooth

Quick inclusion via Bluetooth or use it as a Bluetooth gateway.



#### Smart schedules

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



#### Flexible input control

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



#### Smart scenes

Set custom scenes by combining Shelly Plus 0-10 V Dimmer with your other Shelly devices.



#### Scripting

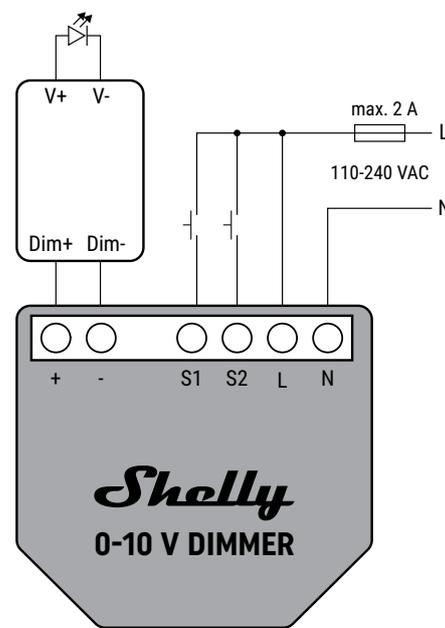
Shelly Plus 0-10 V Dimmer fully supports scripting, allowing you local control and custom functionalities.

# SMART 0-10 V DIMMER CONTROLLER FOR SEAMLESS LIGHTNING CONTROL

No need to invest in new, specialized dimmer switches that clash with your home's aesthetic. Now, even buttons that weren't originally designed for dimming can work with Shelly Plus 0-10 V Dimmer. Seamlessly integrate dimming capabilities into your current setup and enjoy a smart home experience that's truly personalized.

## TECHNICAL SPECIFICATIONS

<b>Power Supply</b>	• 110-240 VAC, 50/60 Hz
<b>Max. control voltage</b>	10 V
<b>Max. control current</b>	35 mA
<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>Radio protocol</b>	Wi-Fi 802.11 b/g/n
<b>Frequency</b>	2400 - 2495 MHz
<b>Operational range (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</b>	42x37x16 mm / 1.46x1.65x0.63 in
<b>Electrical consumption</b>	< 1.2 W
<b>CPU</b>	ESP-32
<b>Flash</b>	4 MB
<b>Wire cross section range</b>	0.5 to 1.5 mm <sup>2</sup> / 20 to 16 AWG



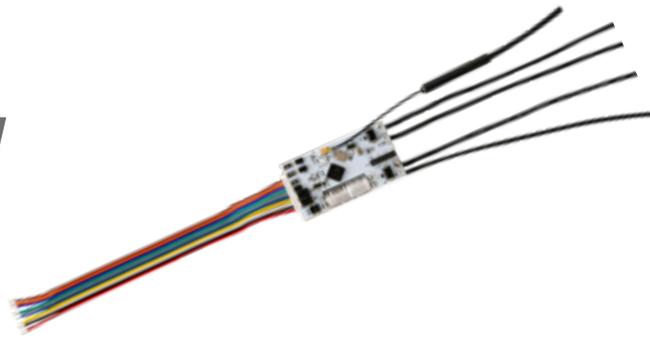
### Legend

#### Device terminals:

- +**: 0-10V positive output
  - : 0-10V negative output
  - S1**: Switch 1 input terminal
  - S2**: Switch 2 input terminal
  - L**: Live terminal
  - N**: Neutral terminal
- Wires:**
- N**: Neutral wire
  - L**: Live (110 - 240 VAC) wire



# Shelly <sup>PLUS</sup> UNI



## FROM MANUAL TO SMART

Shelly Plus Uni has the unique capability to replace traditional buttons, bringing old appliances into the realm of remote control without the need for replacements. Now, you can easily make your intercom or alarm system smart. Receive instant notifications when someone's at the door and remotely arm or disarm your security system with ease.

## ADVANCED SENSOR INTERFACE

Shelly Plus Uni is not just a device; it's a tool to understand your environment better. Use it to measure temperature and humidity with its 1-Wire input, or connect it to a variety of analog and digital sensors. Its capabilities are vast, depending on the sensors you choose.

### Healthy garden:

Make sure you water your plants only when needed by connecting a soil moisture sensor.

### Water heater and pipes:

Monitor water level, flow, pressure, and temperature to prevent issues and maintain ideal conditions.

### Motion-controlled lights:

When connected to a PIR sensor, Shelly Plus Uni can trigger a relay to turn on the lights as soon as you step into the room.

### Pool automation:

Maintain pool health with sensors to track water flow, level, pH, chlorine, and temperature, ensuring a safe and enjoyable swim.



### Wi-Fi Operated & Bluetooth connectivity

Connect to your Wi-Fi network. No HUB required! Quick inclusion via Bluetooth or use it as a Bluetooth gateway.



### Precise Voltmeter

Precise voltage measurement in 2 ranges (0-15 VDC, 0-30VDC)



### Sensor interface

Works with various analog and digital sensors



### Dry contacts

Two potential-free outputs that can switch up to 28 VDC and 24 VAC



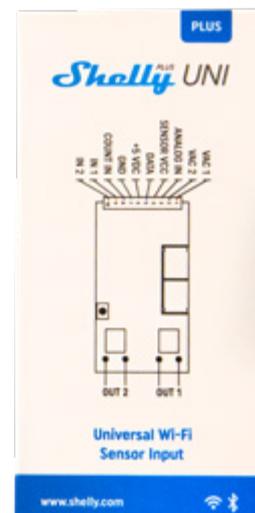
### Pulse counting

Receive precise data readings from your energy/gas/water meter



### Scripting

Shelly Plus Uni fully supports scripting, allowing you local control and custom functionalities.



# TINY DEVICE, BIG CAPABILITIES

Suitable for low-voltage applications, Shelly Plus Uni brings smart functionality to your old appliances. With its new pulse counting feature, you're not just automating – you're getting insightful monitoring of your home's usage. Designed for durability, its transparent cover offers full protection, ensuring both the device and your home appliances are always safe. Powerful in functionality and adaptable to any setting, Shelly Plus Uni seamlessly integrates into your home, unlocking endless possibilities for smart innovation.

## TECHNICAL SPECIFICATIONS

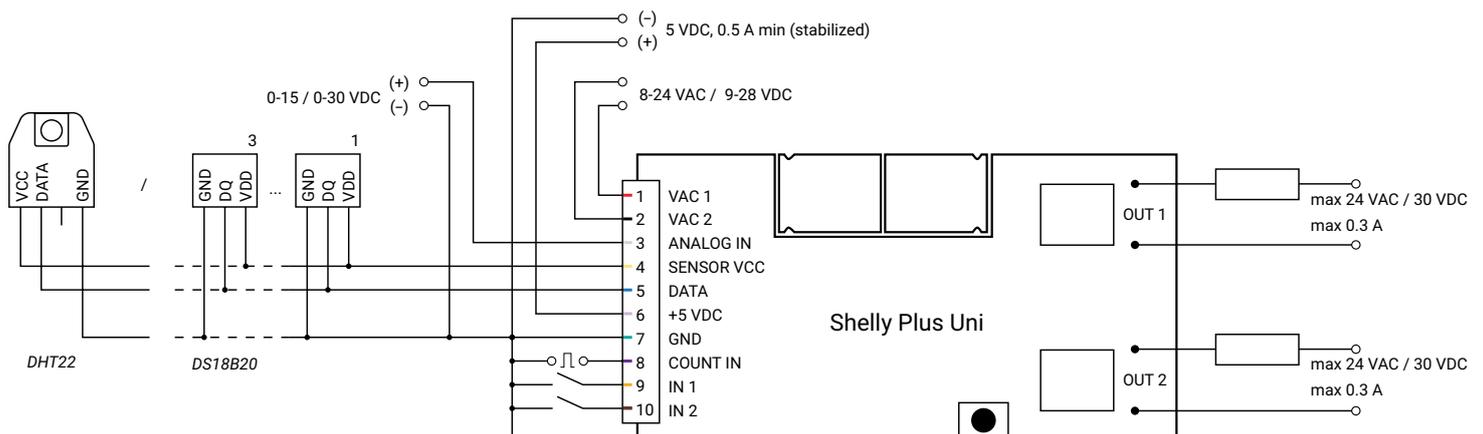
<b>Power Supply</b>	<ul style="list-style-type: none"> <li>• 8-24 VAC</li> <li>• 9-28 VDC</li> <li>• 5 VDC (stabilized, via +5 VDC and GND)</li> </ul>
<b>Max. control voltage</b>	30 V
<b>Max. control current</b>	300 mA
<b>Complies with EU standards</b>	<ul style="list-style-type: none"> <li>• RED 2014/53/EU</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>Radio protocol</b>	Wi-Fi 802.11 b/g/n
<b>Frequency</b>	2400 - 2495 MHz
<b>Operational range (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</b>	40x21x7 mm / 1.57x0.83x0.28 in
<b>CPU</b>	ESP-32
<b>Flash</b>	4 MB
<b>Electrical consumption</b>	< 1 W

## STAY CONNECTED TO YOUR GATE AND GARAGE

Now, whether you're at home or away, you can effortlessly operate your gate or garage door with your phone. But it doesn't stop there; the reed-switch provides real-time updates, ensuring you always know if they are securely closed or open. This setup simplifies daily routines, whether it's closing the garage from your office or welcoming guests without leaving your home.

### Legend

- VAC1:** 8-24 VAC / 9-28 VDC power supply input
- VAC2:** 8-24 VAC / 9-28 VDC power supply input
- ANALOG IN:** Analog input
- SENSOR VCC:** power supply for 1-Wire sensors output
- DATA:** 1-Wire data signal
- +5 VDC:** 5 VDC positive power supply input
- GND:** Device ground
- COUNT IN:** Counter input
- IN 1:** Digital input 1
- IN 2:** Digital input 2
- OUT 1:** Solid-state relay 1 outputs
- OUT 2:** Solid-state relay 2 outputs



# Shelly <sup>PLUS</sup> Smoke



## BE ALWAYS ALERTED, NO MATTER WHERE YOU ARE!

Provide additional protection for your home, family, and pets with Shelly Plus Smoke. Monitor your home for any smoke, wherever you are, thanks to its long life span, high sensitivity, and Wi-Fi technology.

## IMMEDIATE NOTIFICATIONS

Shelly Plus Smoke will immediately inform you and your family members in real-time in case of any detected danger and allow you to take action.

## LOCAL CONTROL OF ALL YOUR DEVICES

Shelly Plus Smoke Alarm can execute direct actions on other devices on your local network without being connected to the Internet or Shelly Cloud.



### Wi-Fi operated

Connect Shelly Plus Smoke to your Wi-Fi network. No HUB required



### Bluetooth connectivity

Easily add Shelly Plus Smoke to your Shelly app account.



### 3 year of battery life

Low-battery-consuming technology.



### Sound & light alerts

If smoke is detected, Shelly Plus Smoke will initiate a loud sound (>85db) and light alarm.



### Easily mountable

Shelly Plus Smoke is wire-free and has no angle limitations.



### Immediate notification

No matter where you are, Shelly Plus Smoke will immediately notify you of any danger.



### Smart scenes

Set custom scenes by combining Shelly Plus Smoke with your other Shelly devices.



### No hub required

Control directly and without a hub through your smartphone with Shelly Smart Control App.



### Highly compatible

Use with your preferred home automation platforms and voice assistants.

# SMART WI-FI SMOKE ALARM

**Shelly Plus Smoke Alarm** is a smart photoelectric smoke alarm, which is effective at detecting slow fires that smolder for hours before bursting into flame. Receive instant notifications on your phone and create safety scenes to keep your family and home safe.

## TECHNICAL SPECIFICATIONS

<b>Battery</b>	1x 3 V CR123A battery
<b>Battery life</b>	3 year
<b>Humidity</b>	30 % to 95 % RH
<b>Weight w/o battery</b>	95 g
<b>Working temperature</b>	0°C to 55°C
<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 (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 (HxWxL)</b>	86x86x31mm / 3.39x3.39x1.22 in



# Shelly <sup>PLUS</sup> Wall Dimmer

Available only in US

## LIGHTS THAT FOLLOW ANY SCHEDULE

Set smart scenes based on a particular hour or sunset/sunrise with Shelly Plus Wall Dimmer! That way, they can set the lights in the hallway to switch on and increase the level of brightness as the sunset hour approaches.

## SMART TIMERS FOR MAXIMUM COMFORT

Many kids prefer to fall asleep with the lights turned on. Shelly Plus Wall Dimmer supports auto-on/off timers that allow customers to set the lights to begin dimming on several stages before they switch off completely. That way, the little one will be comfortably asleep, and no energy will go to waste!

## SCRIPTING FOR ENHANCED AUTOMATION

Don't lose the bright light at home when the weather is gloomy and rainy! Thanks to its scripting functionalities, Shelly Plus Wall Dimmer can be adjusted to follow the weather conditions and switch on the lights in your home earlier on rainy days, slowly increasing the brightness as the afternoon turns into the evening.



### Wi-Fi operated

Connect Shelly Plus Wall Dimmer to your Wi-Fi network. No HUB required



### Bluetooth connectivity

Easily add Shelly Plus Wall Dimmer to your Shelly app account.



### Timers and schedules

Automatically follow the sunrise and sunset and control your lighting accordingly.



### Automatically calibrated

Allows adjustment of the distance and the movement to which the sensor reacts.



### Extremely fast processor

For immediate command execution and notification.



### RPC over MQTT, HTTP, UDP

Receive notification in case someone is trying to dislocate it.



### Scripting capabilities

JavaScript editor, for customized and complex automation.

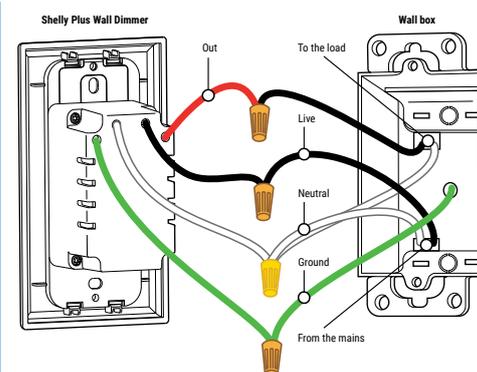
# LIGHTING CONTROL WITH UL-CERTIFIED WI-FI WALL DIMMER FROM SHELLY

With sleek styling and an intuitive touch slider for dimming and brightening, the new **Shelly Plus Wall Dimmer US** is UL-certified and functions as a standalone device or integrated into virtually any control or automation platform connected directly to Wi-Fi.

Simple 4-wire design, with quick Bluetooth inclusion and automatic calibration, Shelly Plus Wall Dimmer US saves integrators valuable time and eliminates complexity in the smart home installation process.

## TECHNICAL SPECIFICATIONS

<b>Power supply voltage AC</b>	100 - 120 V, 50/60 Hz
<b>Power consumption</b>	< 3 W
<b>Humidity</b>	30 % to 70 % RH
<b>Weight without face plate</b>	105 g / 3.70 oz
<b>Ambient 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 (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>Size without face plate and wires (HxWxD)</b>	104x44x39 mm / 4.09x1.73x1.50 in
<b>Size with face plate and without wires (HxWxD)</b>	120x70x39 mm / 4.72x2.76x1.50 in



# Shelly <sup>PLUS</sup> Plug S



## AVOID ENERGY WASTE WITH SMART SCHEDULES

Cut the energy consumption in half with Shelly Plus Plug S and reduce monthly energy costs by automating appliances in the office that are not used at night or over the weekend.



WHEN



From 07:00PM - To 7:00 AM

THEN



Shelly Plus Plug S  
Switch off Water dispenser

## MILDLY DIMMED NIGHT LIGHT FOR CHILDREN'S COMFORT

Use Shelly Plus Plug S LED indication as subtle light for the kids' room at night – just set the colour and the level of glow.



### Wi-Fi operated

Connect Shelly Plus Plug S to your Wi-Fi network. No HUB required!



### Bluetooth connectivity

Easily add Shelly Plus Plug S to your Shelly app account.



### Wide variety of appliances supported

Use it to control a wide range of devices and appliances (up to 12 A)



### Power Monitoring

Shelly Plus Plug S provides precise monitoring of power consumption.



### 3 LED indication modes

Use Shelly App to adjust the brightness of the LED ring according to your preferences in all modes.



### Custom schedules

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



### Smart scenes

Set custom scenes by combining Shelly Plus Plug S with your other Shelly devices.



### URL actions

Let Shelly Plus Plug S directly control or get controlled by other smart devices.



### No hub required

Control directly and without a hub through your smartphone with Shelly Smart Control App.



### Highly compatible

Use with your preferred home automation platforms and voice assistants

# NEXT-GENERATION WI-FI OPERATED PLUG

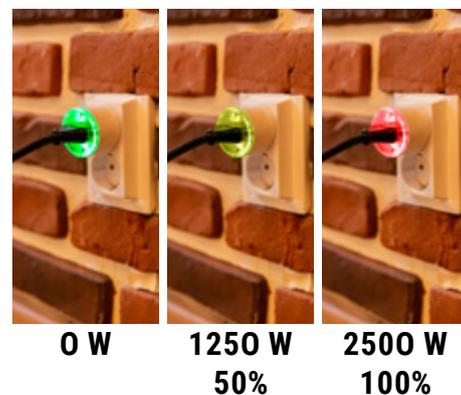
**Shelly Plus Plug S** is a small, but powerful Wi-Fi smart plug with Bluetooth connectivity and power metering, that will monitor and control lighting, heating, or any other connected electrical appliance with a power rating of up to 2500 W at home.

## TECHNICAL SPECIFICATIONS

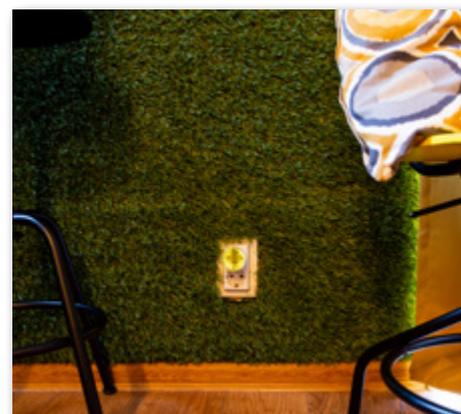
<b>Power supply</b>	Input 110-230 VAC, 50/60 Hz
<b>Max load</b>	12 A / 230 V
<b>Complies with EU standards</b>	<ul style="list-style-type: none"><li>• RED 2014/53/EU</li><li>• LVD 2014/35/EU</li><li>• EMC 2014/30/EU</li><li>• RoHS2 2011/65/EU</li></ul>
<b>Working temperature</b>	-20°C to 40°C / -5°F 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 (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 (HxWxL)</b>	44x44x70 mm / 1.73x1.73x2.75 in
<b>Processor (CPU)</b>	ESP32
<b>Remote Control</b>	Trough mobile app & web interface
<b>Compatibility</b>	Android (4.2+) & iOS (8+), web browsers
<b>Languages</b>	Multiple trough mobile app & web interface
<b>Electrical consumption</b>	< 1 W

## POWER CONSUMPTION LED INDICATION

When set to "Power consumption" mode, Shelly Plus Plug S will indicate the power consumption by a smooth color change from green for 0%, yellow for 50% and red for 100% of the power limit.



## ADJUSTABLE LED LIGHT



# Shelly <sup>PLUS</sup> Plug UK



## FORECAST AND OPTIMIZE YOUR UTILITY EXPENSES

Use the integrated precise power meter of Shelly Plus Plug UK and monitor the real-time energy consumption of all switched-on devices to optimize your expenses.



## PREVENT APPLIANCES DAMAGES

You can set Shelly Plus Plug UK to inform you about any damaged electrical appliance, which has increased the amount of energy used in an attempt to compensate for its operational capacity.



## ALEXA, TURN ON THE "CHILL TIME" SCENE!

Are you ready for some relaxing time after a long day at work? Just say so and Shelly will make it happen!



### Wi-Fi operated

Connect Shelly Plus Plug UK to your Wi-Fi network. No HUB required!



### Bluetooth connectivity

Easily add Shelly Plus Plug UK to your Shelly app account.



### Wide variety of appliances supported

Use it to control a wide range of devices and appliances (up to 12 A)



### Power Monitoring

Shelly Plus Plug UK provides precise monitoring of power consumption.



### 3 LED indication modes

Use Shelly App to adjust the brightness of the LED ring according to your preferences in all modes.



### Custom schedules

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



### Smart scenes

Set custom scenes by combining Shelly Plus Plug UK with your other Shelly devices.



### Scripting functionalities

Shelly Plus Plug UK fully supports mJS scripting, allowing you to create further features and functionalities.



### URL actions

Let Shelly Plus Plug UK directly control or get controlled by other smart devices.



### No hub required

Control directly and without a hub through your smartphone with Shelly Smart Control App.



### Highly compatible

Use with your preferred home automation platforms and voice assistants

# NEXT-GENERATION WI-FI OPERATED PLUG (UK STANDARD)

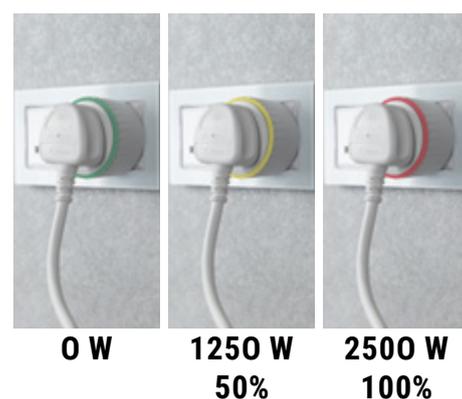
**Shelly Plus Plug UK** is a Wi-Fi smart plug with Bluetooth connectivity, 3 customizable LED indication modes, and power metering. It can automatically monitor and control lighting, heating, or any other connected electrical appliance at home with power up to 2300W.

## TECHNICAL SPECIFICATIONS

<b>Power supply</b>	Input 110-230 VAC, 50/60 Hz
<b>Max load</b>	12 A / 230 V
<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 (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 (HxWxL)</b>	60x60x56 mm / 2.36x2.36x2.20 in
<b>Processor (CPU)</b>	ESP32
<b>Remote Control</b>	Trough mobile app & web interface
<b>Compatibility</b>	Android (4.2+) & iOS (8+), web browsers
<b>Languages</b>	Multiple trough mobile app & web interface
<b>Electrical consumption</b>	< 1 W

## POWER CONSUMPTION LED INDICATION

When set to "Power consumption" mode, Shelly Plus Plug UK will indicate the power consumption by a smooth color change from green for 0%, yellow for 50% and red for 100% of the power limit.



# Shelly <sup>PLUS</sup> Plug IT



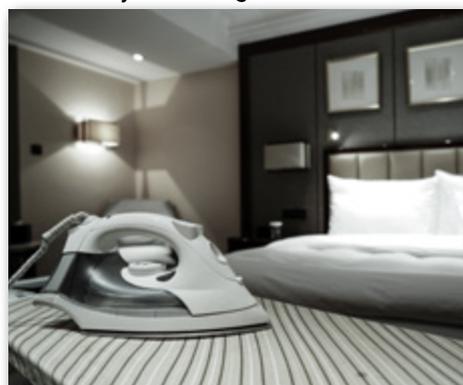
## MAKE YOUR OLD SPACE HEATER FOLLOW THE WEATHER

Use Shelly Plus Plug IT's scripting functionalities to automate your old space heater to follow the current weather forecast, so no energy will go to waste.



## NO MORE FORGOTTEN APPLIANCES

Save energy or prevent any possible damage by controlling all plugged-in appliances easily through your phone with Shelly Plus Plug IT.



### Wi-Fi Operated

Connect Shelly Plus Plug IT to your Wi-Fi network. No HUB required!



### Bluetooth connectivity

Easily add Shelly Plus Plug IT to your Shelly app account.



### Wide variety of appliances supported

Use it to control a wide range of devices and appliances (up to 10A)



### Power Monitoring

Shelly Plus Plug IT provides precise monitoring of the power consumption.



### Custom schedules

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



### Smart scenes

Set custom scenes by combining Shelly Plus Plug IT with your other Shelly devices.



### Countdown timer

An integrated countdown timer for pre-set actions - switch on/off.



### URL actions

Let Shelly Plus Plug IT directly control or get controlled by other smart devices.



### No hub required

Control directly and without a hub through your smartphone with Shelly Smart Control App.



### Highly compatible

Use with your preferred home automation platforms and voice assistants

# WI-FI OPERATED PLUG (ITALIAN STANDARD)

**Shelly Plus Plug IT** is a Wi-Fi smart plug with power metering, that automatically monitors and controls lighting, heating, or any other connected electrical appliance at home with a power rating of up to 2300 W.

## TECHNICAL SPECIFICATIONS

<b>Power supply</b>	Input 230 VAC, 50/60 Hz
<b>Max load</b>	10 A / 230 V
<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 (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 (HxWxL)</b>	70x70x70 mm / 2.76x2.76x2.76 in
<b>Processor (CPU)</b>	ESP32
<b>Remote Control</b>	Trough mobile app & web interface
<b>Compatibility</b>	Android (4.2+) & iOS (8+), web browsers
<b>Languages</b>	Multiple trough mobile app & web interface
<b>Electrical consumption</b>	< 1 W



# Shelly <sup>PLUS</sup> Plug US



Available only in US

## MAKE YOUR OLD SPACE HEATER SMART

Controlling the temperature at home has never been easier! There is no need to invest in expensive smart appliances. If you have an old space heater, don't let go of it just yet! Instead, make it smart by simply plugging it into Shelly Plug! Then, create a scene with Shelly Plus H&T and have the heater turn on once the sensor detects a drop in temperature levels. And the cherry on top? You always know how much energy you're consuming!

## BUSY SCHEDULE?

Do you work at home? We know how important it is for you to maintain a good and robust Internet connection and do your work professionally and promptly, even remotely.

With Shelly Plus Plug US, you can use a local script to determine when the Internet is down and reboot modems and routers.

## ENHANCED SECURITY

It has enhanced security – the support for TLS 1.2 and encrypted firmware for corporate security requirements keeps your data secure when being transferred over a network.

It allows you to turn off computers, printers, copiers, and other office equipment left on overnight or over the weekend and save energy.



### Wi-Fi Operated

Connect Shelly Plus Plug US to your Wi-Fi network. No HUB required!



### Bluetooth connectivity

Easily add Shelly Plus Plug US to your Shelly app account.



### Wide variety of appliances supported

Use it to control a wide range of devices and appliances (up to 15A)



### Power Monitoring

Shelly Plus Plug US provides precise monitoring of the power consumption.



### Custom schedules

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



### Smart scenes

Set custom scenes by combining Shelly Plus Plug US with your other Shelly devices.



### Countdown timer

An integrated countdown timer for pre-set actions - switch on/off.



### URL actions

Let Shelly Plus Plug US directly control or get controlled by other smart devices.



### No hub required

Control directly and without a hub through your smartphone with Shelly Smart Control App.



### Highly compatible

Use with your preferred home automation platforms and voice assistants

# THE WI-FI SMART PLUG THAT FITS EVERYWHERE

**Shelly Plus Plug US** is a Wi-Fi smart plug with power metering, that automatically monitors and controls lighting, heating, or any other connected electrical appliance at home with power up 1800 watts at 15A . Plug your ordinary space heater into Shelly Plus Plug US, so you can switch it on and off at any time, from anywhere with just one click on your phone.

## TECHNICAL SPECIFICATIONS

<b>Power supply voltage AC</b>	120 V, 60 Hz
<b>Max switching voltage AC</b>	140 V
<b>Max switching current AC</b>	15 A
<b>Ambient 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 (HxWxL)</b>	38x84x52 mm / 1.5x3.3x2.0 in
<b>Processor (CPU)</b>	ESP32
<b>Flash</b>	4 MB
<b>Bluetooth Protocol</b>	4.2
<b>Operational range Bluetooth (depending on local conditions)</b>	<ul style="list-style-type: none"><li>• Up to 10 m / 33 ft indoors</li><li>• Up to 30 m / 100 ft outdoors</li></ul>
<b>Electrical consumption</b>	< 1 W



# Shelly Wall Display



## CONTROL AND MONITOR ALL YOUR DEVICES FROM ONE PLACE

The Shelly Wall Display is your ultimate central control panel for a smart home experience like no other. Connect it to your Shelly Cloud account and you can easily control & monitor other Shelly devices. Now, you can effortlessly turn your devices on/off with a simple touch and monitor temperature, humidity, and power consumption at a glance. Shelly Wall Display features a built-in 5 A relay, which is a breeze to operate; a quick tap with two fingers lets you switch it on or off without even needing to look.



## A SMART THERMOSTAT FOR YOUR HOME

Shelly Wall Display can replace your existing thermostats, offering you an intuitive interface to easily monitor, manage and optimize your heating or cooling. Additionally, an external temperature sensor can be used for more accurate readings in large spaces. For bigger loads than 5 A, a contactor can be used to control bigger appliances.



### Display

4-inch high quality touch color display



### Easy navigation

swipe left/right



### Innovative ON/OFF touch control

Tap the display with more than one finger to control the lights



### Shelly Smart Control App integration



### Scene control and Scheduling



### Integrated relay for lighting control



### Embedded sensors for temperature, humidity & illumination



### Room thermostat



### Bluetooth gateway



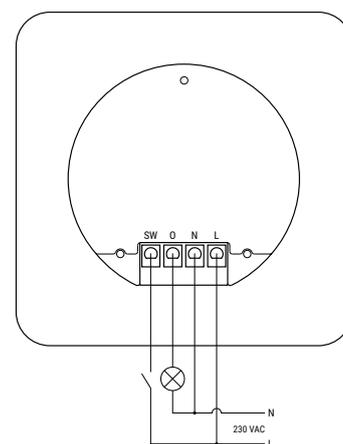
### Power consumption monitoring of all connected devices

# WALL DISPLAY

**Shelly Wall Display** is a smart home control panel with a color display and load circuit switching functionality. With a minimalistic look, polished UI design, and highly customizable home screen, Shelly Wall Display will not only perfectly fit into your interior but will also adjust to your needs.

## TECHNICAL SPECIFICATIONS

<b>Power supply</b>	230 VAC, 50/60 Hz
<b>Max switching current AC</b>	5 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 W-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>Operational range Bluetooth (depending on local conditions)</b>	<ul style="list-style-type: none"><li>• Up to 10 m / 33 ft indoors</li><li>• Up to 30 m / 100 ft outdoors</li></ul>
<b>Dimensions (HxWxD)</b>	85x85x30 mm / 3.35x3.35x1.18 in
<b>Electrical consumption</b>	< 1 W



### Legend

#### Device terminals:

**O:** Output terminal

**SW:** Switch input terminal

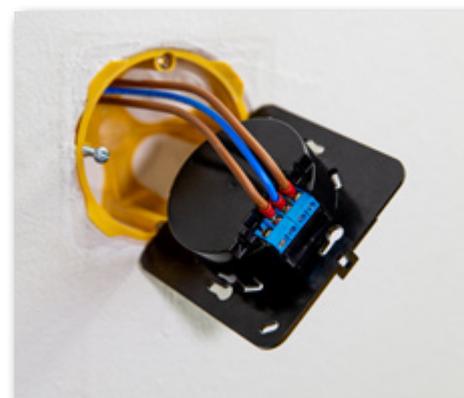
**L:** Live terminal

**N:** Neutral terminal

#### Wires:

**N:** Neutral wire

**L:** Live (230 VAC, 50/60 Hz) wire

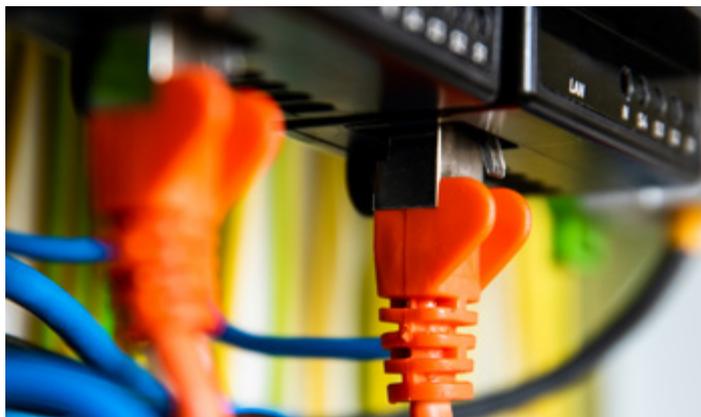


# SUPREME HOME AND FACILITY AUTOMATION WITH SHELLY'S PROFESSIONAL LINE OF DIN-RAIL SMART SWITCHES

Enhanced with temperature, overpower, and overvoltage load protection, Shelly Pro series is designed to be installed inside the breaker box (DIN). Allowing full smart automation with no additional cables or wiring, Shelly Pro line is perfect for homes, offices, stores, business, and manufacturing facilities, as well as new buildings.



## CAPABILITIES



### CONNECTIVITY



Wi-Fi



Bluetooth



LAN

### ENHANCED SAFETY



Temperature protection



Overpower protection (PM devices)



Flame Retardant (V+0)



Overvoltage protection (PM devices)

### FEATURES



HTTP/HTTPS webhooks



Sunrise/Sunset actions with offsets



Weekly Scheduling



Custom scripts(mJs)



Grouping



Scenes

# Shelly <sup>PRO</sup>

## AUTOMATION STRAIGHT FROM THE BREAKER BOX

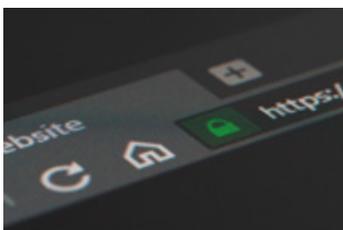
Shelly Pro line allows full automation from the breaker box with minimized additional cables or wiring required. That makes it the perfect solution for new buildings and manufacturing facilities, which you can automate based on your or your business's needs.



## PRECISE POWER MEASUREMENT

The PM devices of Shelly Pro line are equipped with ESP32 processor, providing immediate notifications and real-time power consumption measurements.

## ENHANCED WITH



### HTTP/HTTPS webhooks

Get notifications or control another compatible equipment or 3rd party automation system.



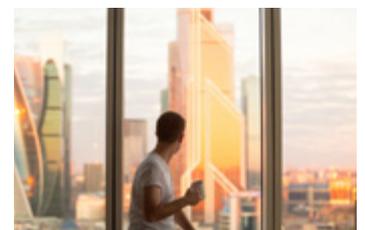
### Scripting for custom automation

Get enhanced functionalities and additional processes settings for a specific integration or function.



### Weekly scheduling automation

Quickly set actions based on your daily or weekly schedule.



### Smart actions for dynamic control

Set Shelly Pro devices to switch on/off the power, based on the Sunset/Sunrise hour and enjoy dynamic control.

# Shelly <sup>PRO</sup> 1



## USE SHELLY PRO 1 for

Shelly Pro 1 is enhanced with scripting functionalities, allowing users to set custom automation scenes based on various occurrences such as weather forecast, wind force forecast, etc.



Lights control



Bathroom fan control



Irrigation system



Pool pump control



### LAN, Wi-Fi and Bluetooth

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



### 1 channel switch

1 output, 16 A



### Dry Contacts

Supports a wide range of voltages, with dry contacts



### Wide range of voltage support

Shelly Pro 1 can be powered by 110-240 VAC



### Extremely fast processor

For immediate command execution and notification.



### Wide variety of appliances control

Suitable for automating the lights, appliances, irrigation system, pool system, heaters, and many more.



### Enhanced safety

Flame retardant shell (V-0) with internal overtemperature 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 Smart Control App.



### Highly compatible

Use with your preferred home automation platforms and voice assistants.

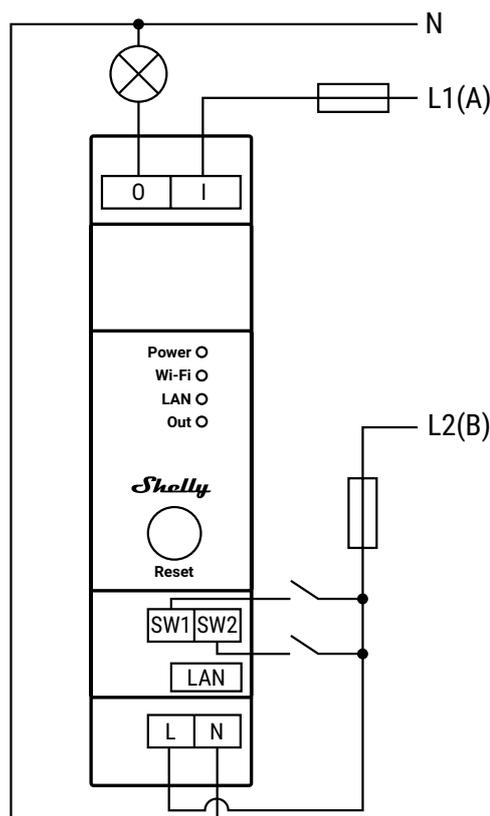
# PROFESSIONAL LIGHTS AND APPLIANCES AUTOMATION FOR RESIDENTIAL OR COMMERCIAL USE

**Shelly Pro 1** is a one-phase, 1 channel switch supporting up to 16 A. Equipped with potential-free outputs (dry contacts), Shelly Pro 1 offers high flexibility in voltage support and applications. Power it with 110-240 VAC, use scripting functionalities to set custom automation scenes based on various occurrences.

## TECHNICAL SPECIFICATIONS

<b>Power supply</b>	110-240 VAC, 50/60 Hz;
<b>Max load</b>	16 A / 15 A UL Version
<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>	13.35 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 1.5 mm <sup>2</sup> (blue) 0.5 to 2.5 mm <sup>2</sup> (green)

## HOW TO CONNECT



### Legend

#### Device terminals:

**O:** Load output terminal

**I:** Load input terminal

**SW1, SW2:** Switch input terminals controlling O\*

**L:** Live (110-240 VAC) terminal

**N:** Neutral terminal

**LAN:** Local Area Network RJ 45 connector

#### Cables:

**N:** Neutral cable

**L:** Live (110-240 VAC) cable

**L1(A):** Load circuit live (110-240 VAC) cable

**L2(B):** Device power supply live (110-240 VAC) cable

\* Can be reconfigured in the Device settings

# Shelly <sup>PRO</sup> 1PM



## USE SHELLY PRO 1PM for

Shelly Pro 1PM allows customers to automate, measure the power consumption, and analyze data from lights and appliances. Different types of actions, scenarios and schedules can be set to sync your environment to your daily activities or business needs.



Lights control

Laundry machine monitoring



Water heater automation

Floor heating automation



### LAN, Wi-Fi and Bluetooth

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



### 1 channel switch

1 output, 16 A.



### Wide range of voltage support

Shelly Pro 1PM can be powered by 110-240 VAC



### Power metering with data storage

Integrated precise power meter that allow you to measure the consumption of the lights or appliances.



### Wide variety of appliances control

Suitable for automating & measuring the consumption of lights, dishwashers, washing machines, appliances, etc.



### Enhanced safety

Flame retardant shell (V-0) with internal overtemperature, over-power 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 Smart Control App.



### Highly compatible

Use with your preferred home automation platforms and voice assistants.

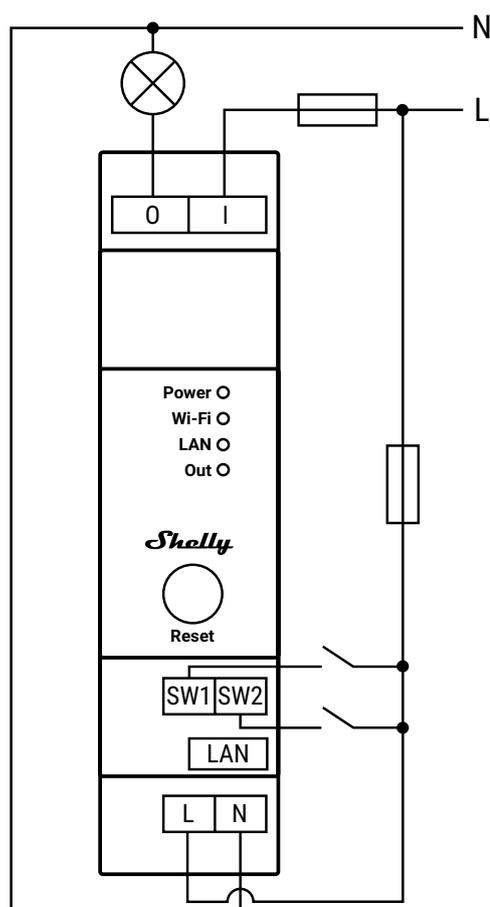
# ENHANCED ELECTRICAL APPLIANCES AUTOMATION WITH PRECISE POWER METERING

**Shelly Pro 1PM** is a one-phase, 1 channel switch supporting up to 16 A. Equipped with integrated power meter, it allows users to measure the precise power consumption of all automated lights or appliances. Shelly Pro 1PM is suitable for automating & measuring the consumption of lights, dishwashers, washing machines, appliances, etc. Power it with 110-240VAC, use scripting functionalities to set custom automation scenes based on various occurrences.

## TECHNICAL SPECIFICATIONS

<b>Power supply</b>	110-240 VAC, 50/60 Hz
<b>Max load</b>	16 A / 15 A UL version
<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>	13.34 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 1.5 mm <sup>2</sup> (blue) 0.5 to 2.5 mm <sup>2</sup> (green)

## HOW TO CONNECT



### Legend

#### Device terminals:

**O:** Load output terminals

**I:** Load input terminals

**SW1, SW2:** Switch input terminals controlling O\*

**L:** Live (110-240 VAC) terminal

**N:** Neutral terminal

**LAN:** Local Area Network RJ 45 connector

#### Cables:

**N:** Neutral cable

**L:** Live (110 - 240 VAC) cable

\* Can be reconfigured in the Device settings

# Shelly <sup>PRO</sup> 2



## USE SHELLY PRO 2 FOR

Shelly Pro 2 is enhanced with scripting functionalities, allowing users to set custom automation scenes based on various occurrences such as weather forecast, wind force forecast, etc.



### LAN, Wi-Fi and Bluetooth

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



### 2 channels switch

2 outputs, 16 A each. Total device maximum capacity 25 A.



### Dry Contacts

Supports a wide range of voltages, with dry contacts.



### Wide range of voltage support

Shelly Pro 2 can be powered by 110-240 VAC



### Extremely fast processor

For immediate command execution and notification.



### Wide variety of appliances control

Suitable for automating the lights on 2 phases, appliances, pool and heating system, and many more.



### Enhanced safety

Flame retardant shell (V-0) with internal overtemperature 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 Smart Control App.



### Highly compatible

Use with your preferred home automation platforms and voice assistants.

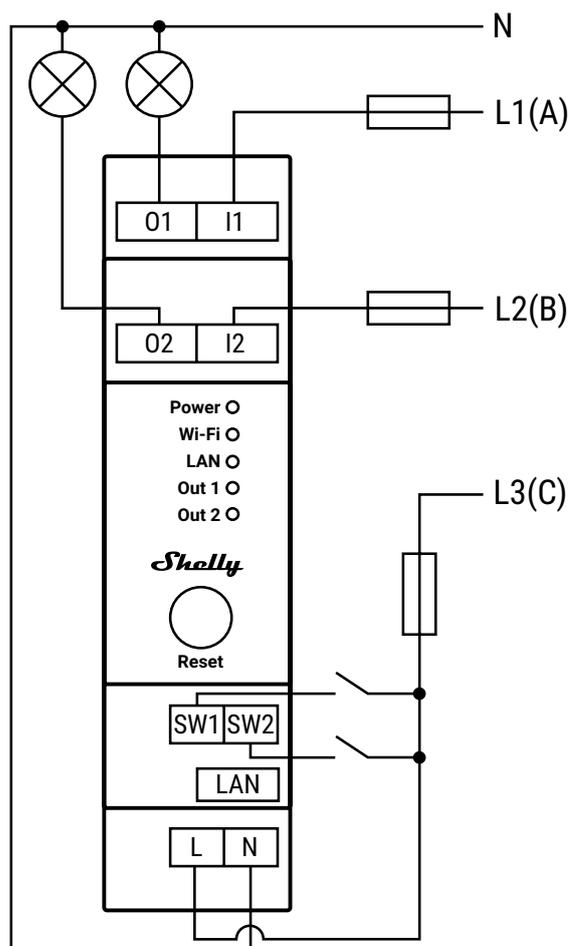
# APPLIANCES AUTOMATION AND LIGHTS CONTROL ON 2 PHASES!

**Shelly Pro 2** is two-phases and 2 channels switch, supporting up to 25 A. Equipped with potential-free outputs (dry contacts), Shelly Pro 2 offers high flexibility in voltage support and applications. Power it with 110-240 VAC, use scripting functionalities to set custom automation scenes based on various occurrences.

## TECHNICAL SPECIFICATIONS

<b>Power supply</b>	110-240 VAC, 50/60 Hz
<b>Max load per channel</b>	16 A / 12.5 A UL Version
<b>Total max. current of all outputs</b>	25 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>	13.35 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 1.5 mm <sup>2</sup> (blue) 0.5 to 2.5 mm <sup>2</sup> (green)

## HOW TO CONNECT



### Legend

#### Device terminals:

**O1, O2:** Load output terminals

**I1, I2:** Load input terminals

**SW1, SW2:** Switch input terminals controlling O1 and O2

**L:** Live (110-240 VAC) terminal

**N:** Neutral terminal

**LAN:** Local Area Network RJ 45 connector

#### Cables:

**N:** Neutral cable

**L1(A):** Load circuit 1 live (110-240 VAC) cable

**L2(B):** Load circuit 2 live (110-240 VAC) cable

**L3(C):** Device power supply live (110-240 VAC) cable

# Shelly <sup>PRO</sup> 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 switch

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



### Wide range of voltage support

Shelly Pro 2PM can be powered by 110-240 VAC



### 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 110-240 VAC bi-directional motor, roller shutters, motorized curtains, or awning



### Wide variety of appliances control

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



### Enhanced safety

Flame retardant shell (V-0) with internal overtemperature, over-power 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 Smart Control App.



### Highly compatible

Use with your preferred home automation platforms and voice assistants.

# BLINDERS AND ROLLER SHUTTERS

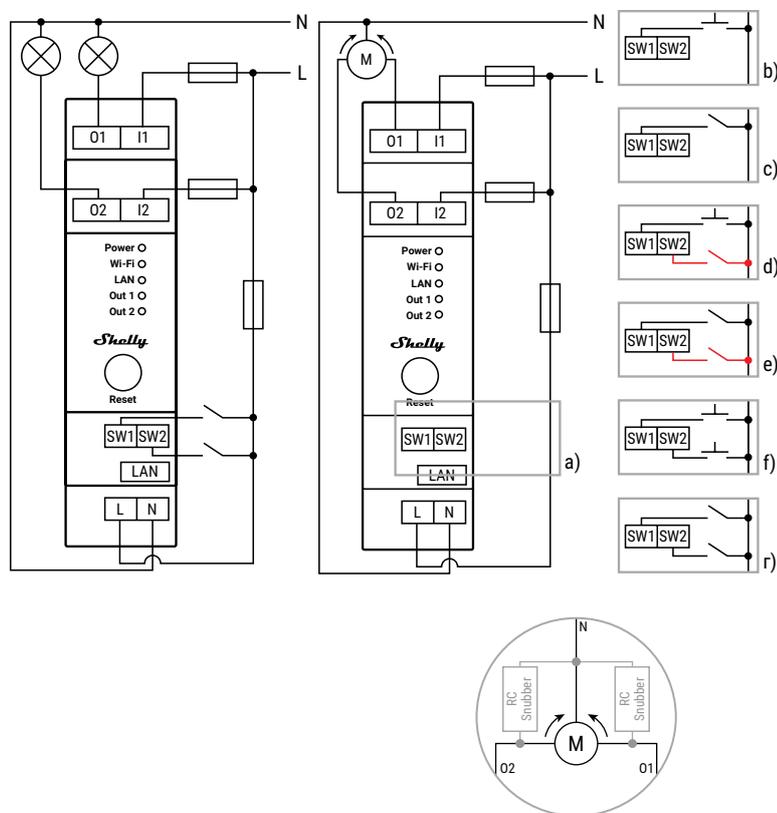
## AUTOMATION WITH PRECISE POWER METERING

**Shelly Pro 2PM** is a 2 channel switch, supporting up to 16 A per phase with total device capacity of 25 A. 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 600 W. Power it with 110-240 VAC, use scripting functionalities to set custom automation scenes based on various occurrences.

### TECHNICAL SPECIFICATIONS

<b>Power supply</b>	110-240 VAC, 50/60 Hz
<b>Max load per channel</b>	16 A / 12.5 A UL Version
<b>Total max. current of all outputs</b>	25 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>	13.34 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 1.5 mm <sup>2</sup> (blue) 0.5 to 2.5 mm <sup>2</sup> (green)

### HOW TO CONNECT



#### Legend

##### Device terminals:

**O1, O2:** Load output terminals

**I1, I2:** Load input terminals

**SW1, SW2:** Switch input terminals controlling O1 and O2

**L:** Live (110-240 VAC) terminal

**N:** Neutral terminal

**LAN:** Local Area Network RJ 45 connector

##### Cables:

**N:** Neutral cable

**L:** Live (110-240 VAC) cable

# Shelly <sup>PRO</sup> 4PM



## USE SHELLY PRO 4PM FOR

With the power to control and power measure a variety of appliances, Shelly Pro 4PM can work standalone or be complementary to any existing automation project in your home or office.



Office lights

Ventilation control



Office outlets

Heating system



AC motor pumps control

Load shedding control



### LAN connection

Enhanced with LAN connection for even more stable connection.



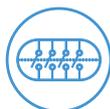
### Wi-Fi operated

Connect Shelly Pro 4PM to your Wi-Fi network.



### Bluetooth connectivity

Add devices quickly and easily via Bluetooth connection, using Shelly Smart Control App.



### 4 channels

4 outputs, 16A each, total device maximum of 40 A.



### Screen with navigation keys

1.8-inch color screen for quick switch control and settings update.



### Power metering with data storage

Four integrated precise power meters that allow you to measure the consumption for each channel separately.



### Wide variety of appliances control

Suitable for controlling and measuring the consumption of lights, appliances, pool system heaters, and many more.



### Enhanced safety

Flame retardant shell (V-0) with internal overtemperature, over-power and overvoltage protection.



### Enhanced security

MQTT and WSS support, TLS certificate support and management for a broad range of use cases.



### No hub required

Control directly without a hub through your smartphone with Shelly Smart Control App.



### Highly compatible

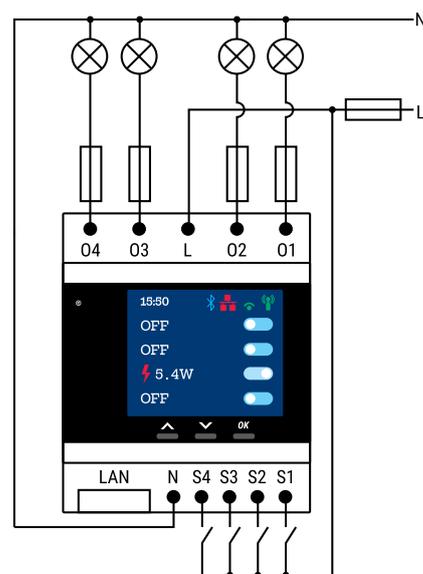
Use with your preferred home automation platforms and voice assistants.

# SUPREME HOME AND FACILITY AUTOMATION STRAIGHT FROM THE BREAKER BOX

4-channel DIN-mountable smart switch with Wi-Fi, Bluetooth and LAN connectivity. **Shelly Pro 4PM** is enhanced with temperature, overpower, and overvoltage load protection. It allows full automation for residential, commercial, and other applications.

## TECHNICAL SPECIFICATIONS

<b>Power supply</b>	110-240 VAC, 50/60 Hz
<b>Max load per channel</b>	16 A
<b>Total max. current of all outputs</b>	40 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>	0°C to 40°C / 32°F to 105°F
<b>Max RF power</b>	13.83 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>	96 x 53 x 59 mm / 3.78 x 2.01 x 2.32 in
<b>Electrical consumption</b>	< 4 W



### Legend

**N** - Neutral input / cable (Zero);  
**L** - Live input / cable (110-240 VAC);  
**L\*** - Input of O1, O2, O3, O4;  
**O1, O2, O3, O4** - Output 1, 2, 3, 4;  
**S1, S2, S3, S4** - Switch inputs controlling O1, O2, O3, O4  
**LAN** - Local Area Network RJ 45 connector  
*\*The cables connected to L must be with the same lenght!*



# Shelly <sup>PRO</sup> 3



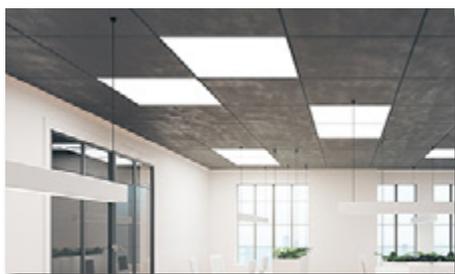
## USE SHELLY PRO 3 FOR:

You can use Shelly pro 3 to set different types of actions, scenes, and schedules and sync your environment to your daily activities or business needs. Additionally, Shelly Pro 3 has scripting functionalities for custom automation scenes based on external data or various occurrences.

## COMMON AREA TEMPERATURE CONTROL

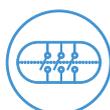


## COMMON SPACES LIGHTS AUTOMATION



### LAN, Wi-Fi and Bluetooth

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



### 3 channel

Up to 16 A per channel with up to 48 A total device maximum.



### Dry Contacts

Use a wide range of output voltage levels. Supports low voltages.



### Wide range of voltage support

Use it to control a wide range of AC devices and appliances.



### Extremely fast processor

For immediate command execution and notification.



### Wide variety of appliances control

Suitable for automating the lights, irrigation system, heaters, and many more.



### Enhanced safety

Flame retardant shell (V-0) with internal overtemperature, over-power 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 Smart Control App.



### Highly compatible

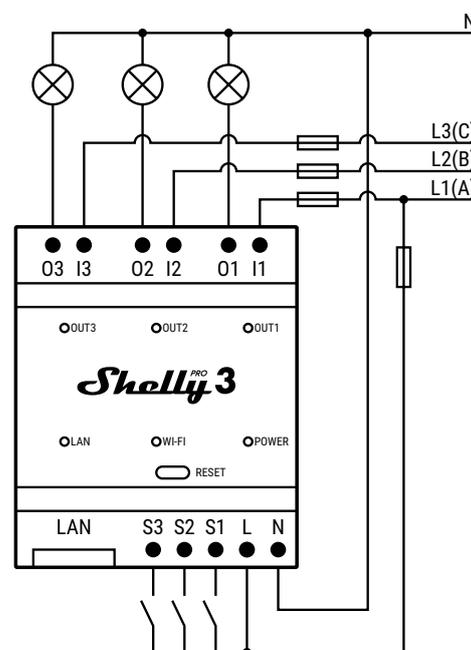
Use with your preferred home automation platforms and voice assistants

# PROFESSIONAL 3-CHANNEL DIN RAIL SWITCH WITH DRY CONTACTS

**Shelly Pro 3** is a three-phase, 3-channel switch supporting up to 48 A for professional lights and appliance automation for residential or commercial use. It is equipped with potential-free outputs (dry contacts) offering high flexibility in voltage support and applications.

## TECHNICAL SPECIFICATIONS

<b>Power supply</b>	110-240 VAC, 50/60 Hz
<b>Max load per channel</b>	16 A
<b>Total max. current of all outputs</b>	48 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>	15.93 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>	96x53x59 mm / 3.78x2.01x2.32 in
<b>Electrical consumption</b>	< 3 W



### Legend

#### Device terminals:

- O1, O2, O3:** Load output terminals
- I1, I2, I3:** Load input terminals
- SW1, SW2, SW3:** Switch input terminals controlling O1, O2 and O3
- L:** Live (110-240 VAC) terminals
- N:** Neutral terminal
- LAN:** Local Area Network RJ 45 connector

#### Cables:

- N:** Neutral cable
- L1(A):** Load circuit 1 live (110-240 VAC) cable
- L2(B):** Load circuit 2 live (110-240 VAC) cable
- L3(C):** Load circuit 3 live (110-240 VAC) cable

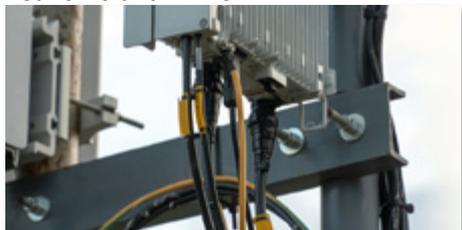


# Shelly<sup>PRO</sup> 3EM



## INDUSTRY-GRADE SECURITY

Shelly Pro 3EM supports mTLS for MQTT, HTTP, and secure outbound WebSockets, allowing for direct connections to your cloud infrastructure, reducing the cost of deploying complex networks and VPNs.



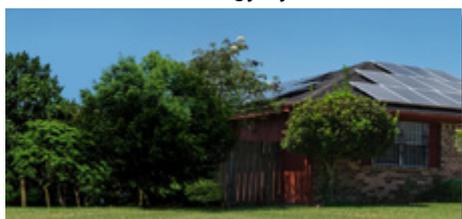
## INDUSTRIAL INSTALLATIONS

Shelly Pro 3EM brings support for MODBUS for voltage, current, power, and energies. You can accurately sample your energy usage and instantaneous values of voltage, current, and power.



## SOLAR PANELS MONITORING AND CONTROL

Save effortlessly by keeping track of how much energy your solar panels or wind turbines are generating. With Shelly Pro 3EM you can get real-time information about the efficiency of the solar and wind energy system.



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

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



### 4-quadrant measurement

Measure capacitive and inductive load types of active imported and exported energies.



### Accuracy class B (active energy)

Shelly Pro 3EM has a measurement accuracy of 1%.



### MODBUS support

Allows for easy and fast deployment in existing industrial installations.



### Power monitoring

Monitors mono-phase electrical systems with up to 3 points simultaneously. Fast notifications and at least 60 days of 1-minute records storage.



### Scripting functionalities

Shelly Pro 3EM fully supports mJS scripting, allowing you to create further features and functionalities.



### Enhanced safety

Flame retardant shell (V-0) with internal overtemperature, over-power 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 Smart Control App.



### Highly compatible

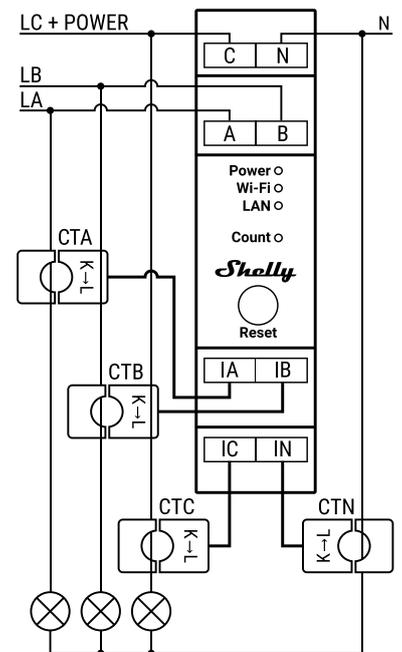
Use with your preferred home automation platforms and voice assistants

# NEXT-GENERATION DIN-MOUNTABLE 3-PHASE ENERGY METER

**Shelly Pro 3EM** is a DIN rail mountable three-phase energy meter. Enhanced with all the Gen 2 firmware flexibility and LAN connectivity, it provides professional integrators with additional options for end-customer solutions. Shelly Pro 3EM reports accumulated energy as well as instantaneous voltage, current, and power factor per phase in real time.

## TECHNICAL SPECIFICATIONS

<b>Power supply</b>	110-240 VAC, 50/60 Hz
<b>Voltmeters (RMS for each phase)</b>	100 - 260 V
<b>Voltmeters accuracy</b>	±1 %
<b>Ammeters (RMS via CT for each phase and the Neutral)</b>	0 - 120 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 Wi-Fi</b>	15 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



### Legend

#### Device terminals:

- A:** Phase A input
- B:** Phase B input
- C:** Phase C and Device power supply input
- N:** Neutral input

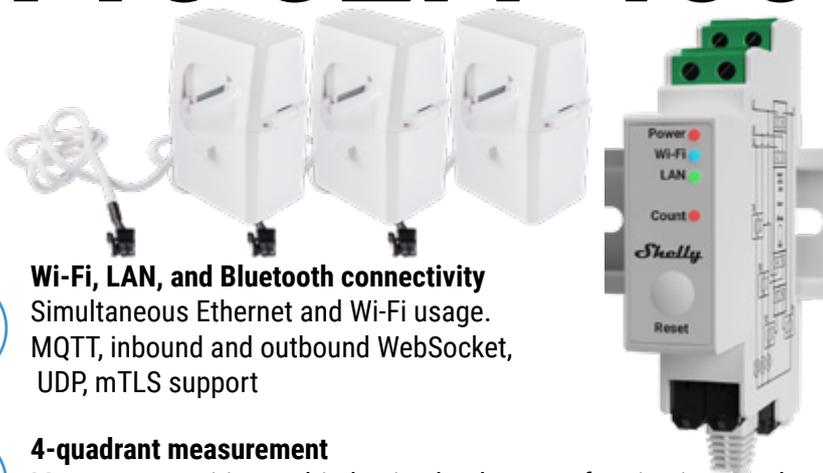
- IA:** Phase A current transformer (CTA) input
- IB:** Phase B current transformer (CTB) input
- IC:** Phase C current transformer (CTC) input
- IN:** Neutral current transformer (CTN) input

#### Cables:

- LA:** Phase A (110-240 VAC)
- LB:** Phase B (110-240 VAC)
- LC:** Phase C (110-240 VAC)
- N:** Neutral cable



# Shelly Pro 3EM-400



## INDUSTRIAL INSTALLATIONS

Shelly Pro 3EM-400 brings support for MODBUS for voltage, current, power, and energies. You can accurately sample your energy usage and instantaneous values of voltage, current, and power. Our new firmware platform allows for custom implementation that can report as fast as every 100ms to your infrastructure.



## SOLAR PANELS MONITORING AND CONTROL

Keep track of how much energy your solar panels or wind turbines are generating and save effortlessly. Shelly Pro 3EM-400 provides real-time information about the efficiency of the solar and wind energy system, as well as historical data on how much energy has been generated and consumed every minute for the past 60 days.



## LOCAL CONTROL

Thanks to Shelly Pro 3EM-400's scripting functionalities and webhooks, you can now easily control other Shelly or Wi-Fi devices on your local network. Use these capabilities to set exact parameters for heating, cooling, or electric vehicle charging based on PV production and have your devices automatically shed power usage. All these work without using a cloud.



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

Simultaneous Ethernet and Wi-Fi usage. MQTT, inbound and outbound WebSocket, UDP, mTLS support



### 4-quadrant measurement

Measure capacitive and inductive load types of active imported and exported energies



### Accuracy class B (active energy)

Shelly Pro 3EM-400 has a measurement accuracy of 1%



### MODBUS support

Allows for easy and fast deployment in existing industrial installations.



### Power monitoring

Monitors mono-phase electrical systems with up to 3 points simultaneously. Fast notifications and at least 60 days of 1-minute records storage.



### Scripting functionalities

Shelly Pro 3EM-400 fully supports mJS scripting, allowing you to create further features and functionalities.



### Enhanced safety

Flame retardant shell (V-0) with internal overtemperature, over-power 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 Smart Control App.



### Highly compatible

Use with your preferred home automation platforms and voice assistants

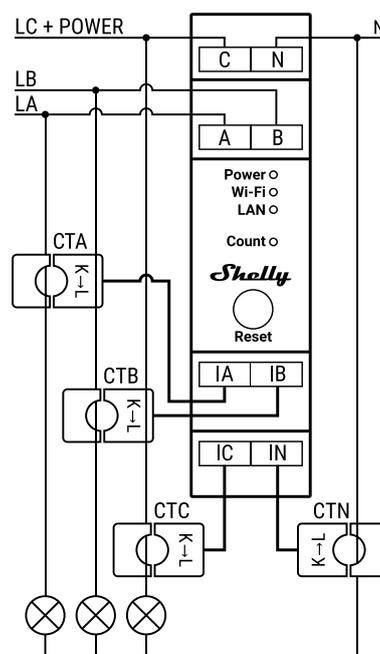
# WHY SHELLY PRO 3EM-400?

## NEXT-GENERATION 3-PHASE ENERGY METER

**Shelly Pro 3EM-400** is a Wi-Fi-operated DIN-mountable 3-Phase Energy Meter with Wi-Fi, Bluetooth, and LAN connectivity. With active energy measurement accuracy of 1%, Shelly Pro 3EM-400 can be used to monitor the consumption of home appliances, business electric circuits, and office equipment individually. It features 60 days of on-device historical data with a 1-minute resolution for each phase. Additionally, its scripting functionalities allow for the execution of complex scenes and provide broader monitoring abilities.

### TECHNICAL SPECIFICATIONS

<b>Power supply</b>	110-240 VAC, 50/60 Hz
<b>Voltmeters (RMS for each phase)</b>	100 - 260 V
<b>Voltmeters accuracy</b>	±1 %
<b>Ammeters (RMS via CT for each phase and the Neutral)</b>	0 - 400 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 Wi-Fi</b>	15 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



#### Legend

##### Device terminals:

- A:** Phase A input
- B:** Phase B input
- C:** Phase C and Device power supply input
- N:** Neutral input
- IA:** Phase A current transformer (CTA) input
- IB:** Phase B current transformer (CTB) input
- IC:** Phase C current transformer (CTC) input
- IN:** Neutral current transformer (CTN) input

##### Cables:

- LA:** Phase A (110-240 VAC)
- LB:** Phase B (110-240 VAC)
- LC:** Phase C (110-240 VAC)
- N:** Neutral cable



# Shelly Pro EM-50



## PERFECT FOR SMALL AND MEDIUM BUSINESS OWNERS

If you are a small or medium business owner, you have probably struggled with energy overconsumption. Some machines and appliances are switched on all the time. With Shelly PRO EM 50, you can measure with utmost precision and reduce consumption by turning off load - cold water dispensers, laminating machines, and lighting during the night. The device can also be applied for preventative measurement by monitoring for abnormal behavior of HVAC, air compressors, refrigerator units, and others.

## RENEWABLE ENERGY ECOSYSTEM AT HOME

If you have a PV system at home, Shelly PRO EM 50 can help you measure grid and imported energy from renewable sources. Moreover, it has configurable load control, which allows you to redirect any excess energy generated from renewable sources to electronic devices at your home and optimize your energy consumption.



**Wi-Fi, LAN, and Bluetooth connectivity**  
Simultaneous Ethernet and Wi-Fi usage.



**DIN rail mountable**



**Two measured channels**



**Built-in dry contact switch**



**MQTT, HTTP, WebSocket transports of data**



**TLS 1.2 security**



**Modbus TCP protocol support**



**Embedded configuration and monitoring web interface**



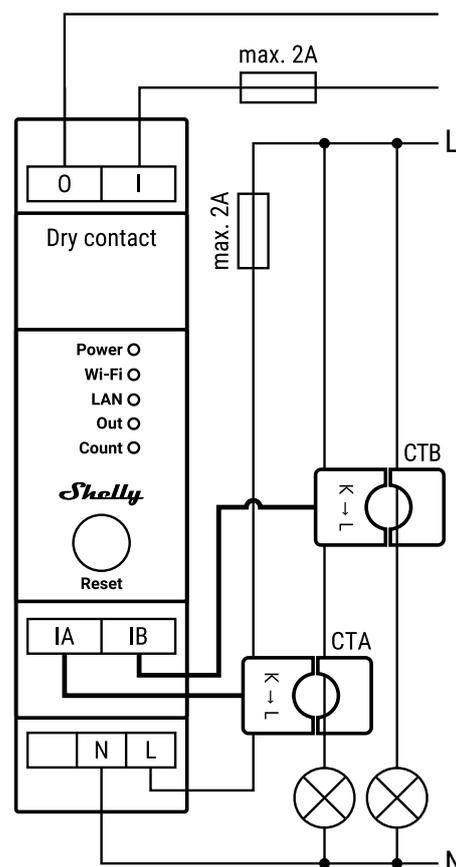
**Real-time clock**

# WHY SHELLY PRO EM-50?

**Shelly Pro EM-50** is a DIN rail mountable two-channel, single-phase energy meter. Enhanced with all the gen2 firmware flexibility and LAN connectivity, it provides professional integrators with additional options for end-customer solutions. It can work standalone in a local LAN and/or Wi-Fi network, or it can also be operated through cloud home automation services through MQTT, HTTP, and WebSocket. All inbound connections support TLS.

## TECHNICAL SPECIFICATIONS

<b>Power supply</b>	110-240 VAC, 50/60 Hz
<b>Voltmeters (RMS for each phase)</b>	100 - 260 V
<b>Voltmeters accuracy</b>	±1 %
<b>Ammeters (RMS via CT for each phase and the Neutral)</b>	0 - 50 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 Wi-Fi</b>	15 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



### Legend

#### Device terminals:

- O:** Relay output
- I:** Relay input
- IA:** Current transformer A (CTA) input
- IB:** Current transformer B (CTB) input
- N:** Neutral terminal
- L:** Live (110-240 VAC) terminal

#### Cables:

- N:** Neutral cable
- L:** Live (110-240 VAC) cable

# Shelly

## PRO 3EM SWITCH ADD-ON



### LOAD SHEDDING

Keep track of how much energy your solar panels and wind turbines are generating and save effortlessly by controlling your consumption with Shelly Pro 3EM Add-on. Connect Shelly Pro Add-On to your appliances and use Shelly Pro 3EM's real-time information on how much energy has been generated and consumed. When you need to save energy, Shelly Pro3EM Add-on can automatically switch off non-essential appliances in your home.

### WEATHER-BASED CONTROL

Shelly Pro 3EM, enhanced with the Shelly Pro 3EM Add-on, offers weather-driven energy optimization. By scripting, you can efficiently control your appliances based on the weather forecast. Upon receiving real-time weather updates, Shelly Pro 3EM takes measures as defined in the script. For example, if the forecast indicates that it's going to be a sunny day, Shelly Pro 3EM Add-On can automatically turn off the heating anticipating higher temperatures.

### PV SYSTEMS BALANCING

When your PV system is producing more energy than your home consumes, Shelly Pro 3EM Add-On can automatically activate appliances to make use of it. For example, you can set it to turn on your water heater, charging station for electric vehicles, or other energy-intensive appliances. This way, you make the most of the abundant energy generated by your PV system and reduce dependency on the grid.



**DIN rail mountable**  
attached to a Shelly Pro 3EM



**Dry contacts**  
A galvanically isolated switch designed to expand the capabilities of your Shelly Pro 3EM devices



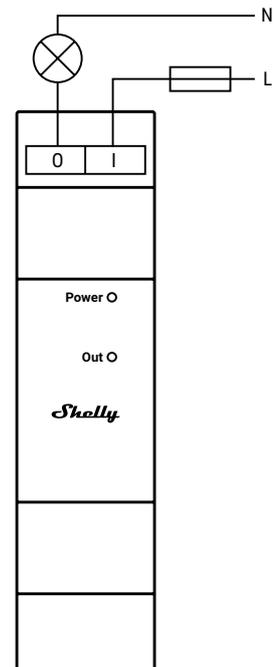
# WHY SHELLY PRO 3EM SWITCH ADD-ON?

A galvanically isolated switch designed to expand the capabilities of your Shelly Pro 3EM device. This add-on allows you to easily control contactors and other electrical devices, giving you greater flexibility and control over your consumption.

**Only compatible with Shelly Pro 3EM devices!**

## TECHNICAL SPECIFICATIONS

<b>Power supply DC</b>	3.3 V and 12 V (from Shelly Pro 3EM device)
<b>Mounting</b>	DIN rail, attached to a Shelly Pro 3EM
<b>Working temperature</b>	-20°C to 40°C / -5°F to 105°F
<b>Humidity</b>	30 % to 70 % RH
<b>Max switching voltage AC</b>	240 V
<b>Max switching voltage DC</b>	30 V
<b>Max switching current AC</b>	2 A
<b>Max switching current DC</b>	2 A
<b>Power consumption</b>	< 1 W
<b>Dimensions (HxWxD)</b>	94x19x69 mm / 3.70x0.75x2.71 in



### Legend

#### Device terminals:

**O:** Relay output terminal

**I:** Relay input terminal

#### Cables:

**N:** Neutral cable

**L:** Live (110 - 240 VAC) cable



# Pro Dual Cover/Shutter PM



## Overheating protection

In case of unsafe temperature levels or rapid temperature increase, device switches off the outputs and sends notification.

## Overpower protection

Detected overpower will lead to outputs switch off by the device and it will immediately send a notification.

## Overvoltage protection\*

To avoid damage to the electrical appliances the device switches off the outputs when overvoltage peaks are detected and immediately sends a notification.

*\*Feature is available only for power metering-enabled devices*



## Automated blinds

Control motorized blinds, curtains, and roller shutters to improve privacy, energy efficiency, and home security.



## LAN, Wi-Fi, and Bluetooth connectivity

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



## Cover (roller) control

Control two bi-directional AC motors and set your desired position.



## Precise power metering

Shelly Pro Dual Cover / Shutter PM provides precise monitoring of the power consumption of both covers.



## 2 covers, 16 A each

Shelly Pro Dual Cover / Shutter PM has a total device output of 32A.



## Enhanced safety & security

Improved safety features and TLS 1.2 support, allowing a broad range of secure cloud-connected and local integrations.



## Scripting capabilities

Set custom scenes by combining Shelly Pro Dual Cover / Shutter PM with your other devices.

## Remote control of parking gates

Shelly Pro Dual Cover / Shutter PM can give you remote control over your parking barriers or gate doors and ensure that only authorized individuals can operate them. You can schedule the gate to open during specific times of the day. Additionally, you can integrate gate control with other smart devices, such as outdoor lighting or surveillance cameras.

## An awning that follows the weather

Automatically close the outside awnings to protect them from the wind. Additionally, if the weather forecast predicts, Shelly Pro Dual Cover / Shutter PM will open the awnings again to protect the outside seated customers.

# WHY SHELLY PRO DUAL COVER / SHUTTER PM?

## DUAL CONTROL, ONE SOLUTION!

This smart controller is supporting up to 16A load per cover. **Shelly Pro Dual Cover/Shutter PM** is equipped with integrated precise power meters that allow you to control and monitor the consumption of each cover separately. It is perfect for the automation of roller shutters, curtains, awnings, gates, and many more.

### TECHNICAL SPECIFICATIONS

<b>Power supply</b>	110-240 VAC, 50/60 Hz
<b>Max load per cover</b>	16 A
<b>Total max. current of all outputs</b>	32 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>	96x53x59 mm / 3.78x2.01x2.32 in
<b>Electrical consumption</b>	< 3 W

#### Legend

##### Device terminals:

**O1, O2:** Cover 1 and Cover 2 output terminal pairs

**▲, ▼:** Cover direction output terminals

**S1, S2:** Switch/button input terminals for controlling Cover 1

**S3, S4:** Switch/button input terminals for controlling Cover 2

**L:** Live (110-240 VAC) terminal

**N:** Neutral terminal

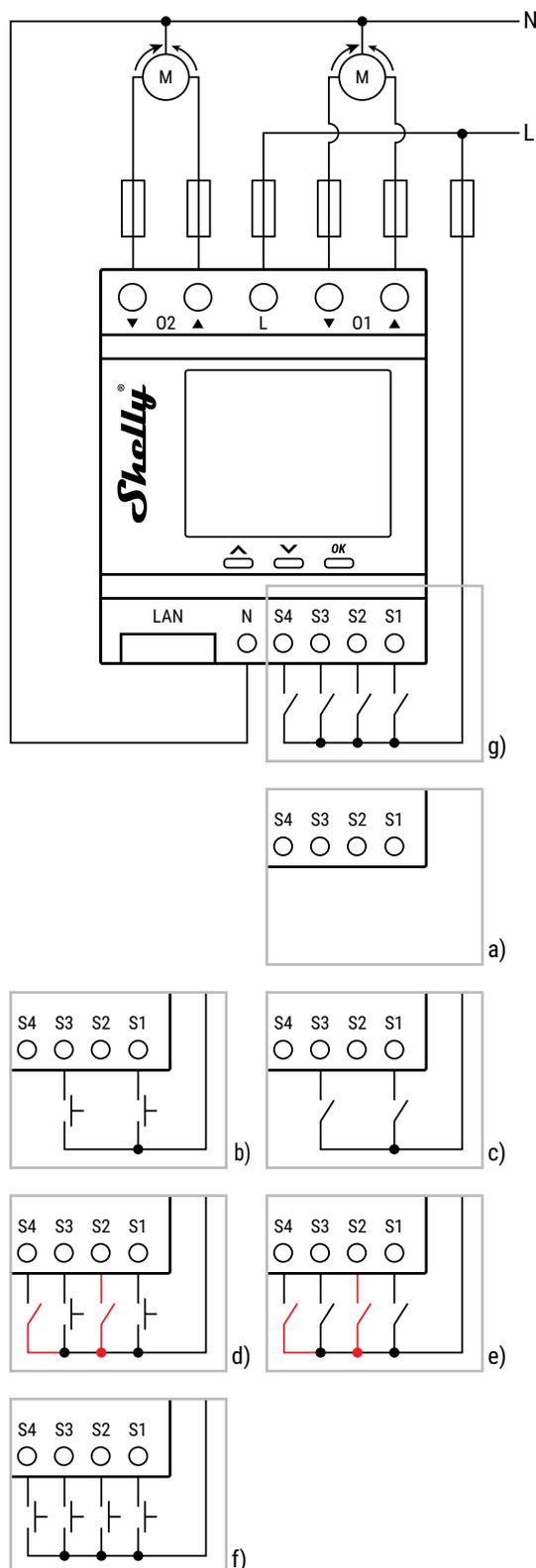
**LAN:** Local Area Network RJ 45 connector

##### Cables:

**N:** Neutral cable

**L:** Live (110-240 VAC) cable

### HOW TO CONNECT



# Shelly<sup>PRO</sup> Dimmer 1PM



## Brightness that suits your activities

Shelly Pro Dimmer 1PM 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 1PM 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.

## Lights that follow the sun

Give your facility a beautiful exterior and provide the necessary safety by controlling your outdoor and driveway lights. Shelly Pro Dimmer 1PM can help you reduce their energy consumption by dimming them down to 30% after 10 PM.



### 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 1PM 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 1PM** is a DIN-rail mountable, one-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.

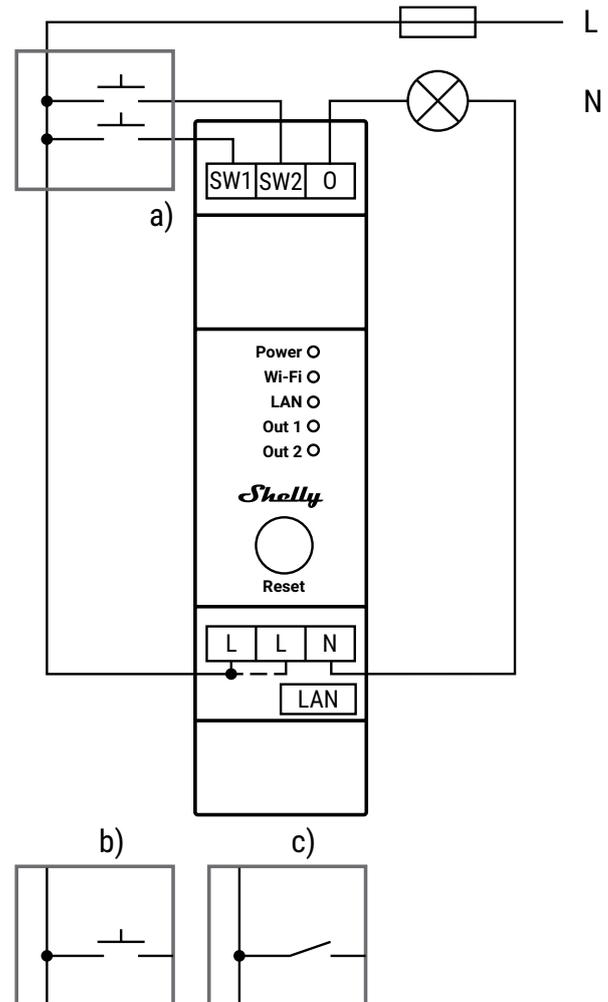
## TECHNICAL SPECIFICATIONS

<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 O

**O:** Load circuit 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

# 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.

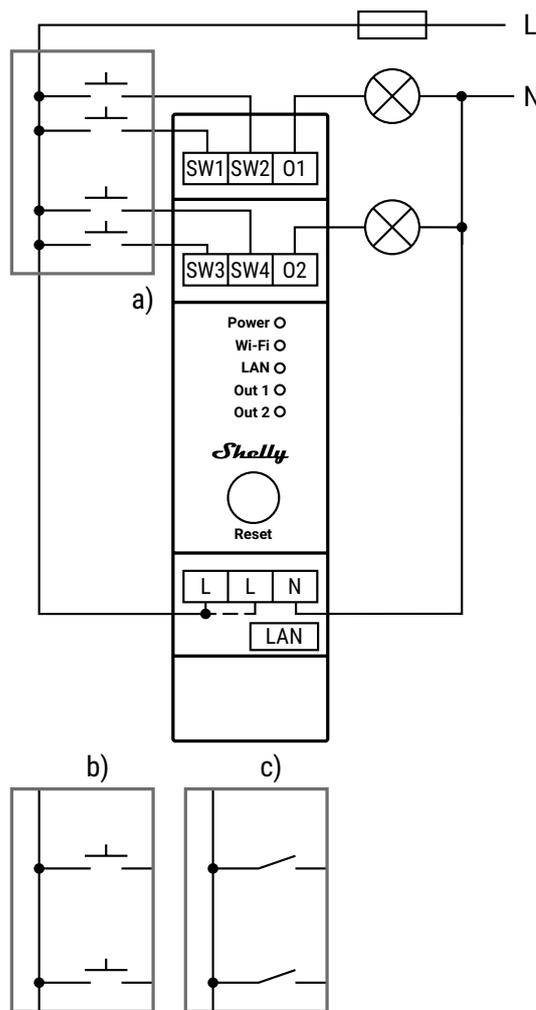
## TECHNICAL SPECIFICATIONS

<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 O1

**SW3 and SW4:** Switch input terminals controlling O2

**O1:** Load circuit 1 output terminal

**O2:** 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

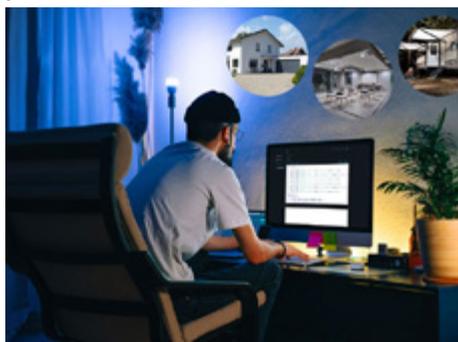
# Shelly <sup>BLU</sup> Button 1



## SCRIPTING

Every Shelly Plus and Pro device in your home with an enabled Bluetooth connection acts as a gateway of the Shelly BLU Button1 signal. With the scripting functionalities of the Shelly Plus and Pro devices you can easily create complex local actions. Based on RSSI, you can fully customize and automate your smart home.

Furthermore, you can use the same button to trigger different actions in multiple locations



## INCREASED SECURITY

With support for the Advanced Encryption Standard all communications are encrypted and secure which ensures that even if someone attempts to intercept your device's communication, they will not be able to access your data or compromise your security.



### Bluetooth-operated

Use Shelly BLU Button1 to activate Shelly Plus and Pro devices



### Multi-click action trigger

Execute up to 4 pre-set actions or scenes with simple click combinations



### Immediate response time

Response time fewer than 1 second



### Low battery consumption

Up to 2 years, perfect for those who are always on-the-go



### Visual & Sound hints

Sound and color indications inform you of its status and help you find it



### Broad range

Shelly BLU Button1 has a range of 10 m indoors and 30 m outdoors

# WHY SHELLY BLU BUTTON1?

## ONE CLICK TO A SMARTER HOME

You can quickly control your smart devices with just a click. Simply set it up and place it wherever you need it most. Whether you want to turn off the lights, adjust your blinds, or lock your front door, BLU Button1 puts the power of your smart home at your fingertips.

Remotely control and activate/deactivate different scenes and other Shelly devices without your mobile phone. Execute up to 4 pre-set actions or scenes with simple click combinations.

### TECHNICAL SPECIFICATIONS

<b>Power supply</b>	1x 3 V CR2032 battery (included)
<b>Battery life</b>	up to 2 years
<b>Ambient temperature</b>	-20 °C to 40 °C
<b>Humidity</b>	30 % to 70 % RH
<b>Multi-click support</b>	Up to 4 possible actions
<b>Encryption</b>	AES encryption (CCM mode)
<b>Beacon mode</b>	Yes
<b>Shell material</b>	Plastic
<b>Color</b>	White, black, red, blue
<b>Operational range (depending on local conditions)</b>	<ul style="list-style-type: none"><li>• Up to 10 m / 33 ft indoors</li><li>• Up to 30 m / 100 ft outdoors</li></ul>
<b>Dimensions (HxWxD)</b>	36x36x6 mm / 1.44x1.44x0.25 in
<b>Weight with the battery</b>	9 g

### YOUR KEY TO EFFORTLESS SCENE CONTROL

easily set your push sequence and create different scenes with a set of actions. Use the Shelly Smart Control app to create a “Movie Night” scene that sets your connected RGBW2 light strips to a dim blue color and brings the blinds down.



# Shelly<sup>BLU</sup> Door/Window



## Invisible Protection

Designed to seamlessly blend into your home's aesthetics, this is the first Bluetooth sensor that can be discreetly placed inside the frame of your windows, remaining completely invisible to the eye.



### Bluetooth operated

Quicker response, longer battery life and easy inclusion



### Immediate response

The sensor has a reaction time of less than 100ms



### Long-lasting battery

Battery life of up to 5 years, depending on daily usage



### Integrated sensors

Shelly BLU Door/Window has integrated LUX and tilt measurement sensors



### Scripting

Use the scripting functionalities on your Shelly Plus and Pro devices to create complex automations



### Scene activation

Set custom scenes by combining Shelly BLU Door/Window with your other Shelly devices

# WHY SHELLY BLU DOOR/WINDOW? SMART SECURITY STARTS AT YOUR DOOR!

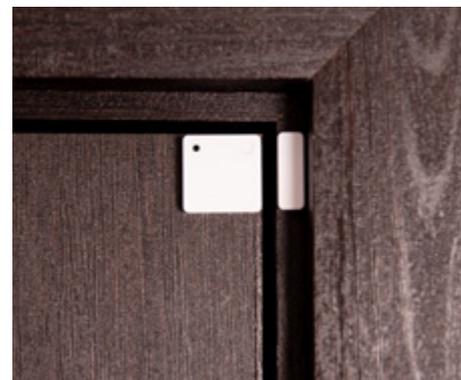
Shelly BLU Gateway is a smart BLE to Wi-Fi gateway in a USB A dongle.

## TECHNICAL SPECIFICATIONS

<b>Power supply</b>	1x 3 V CR2032 battery (included)
<b>Battery life</b>	5 years
<b>Ambient temperature</b>	-20°C to 40°C / -5°F to 105°F
<b>Humidity</b>	30 % to 70 % RH
<b>Multi-click support</b>	Up to 4 possible actions
<b>Encryption</b>	AES encryption (CCM mode)
<b>Beacon mode</b>	Yes
<b>Shell material</b>	Plastic
<b>Color</b>	white, black, brown
<b>Operational range (depending on local conditions)</b>	<ul style="list-style-type: none"><li>• Up to 10 m / 33 ft indoors</li><li>• Up to 30 m / 100 ft outdoors</li></ul>
<b>Dimensions (HxWxD)</b>	35x35x7 mm / 1.38x1.38x0.27 in (Sensor unit) 35x12x7 mm / 1.44x0.47x0.27 in (Magnet)
<b>Weight with the battery</b>	10 g / 0.35 oz (Device with the battery) 8 g / 0.28 oz (Magnet)
<b>Reed switch</b>	Yes
<b>G-sensor</b>	Yes
<b>Light sensor</b>	Yes

## PROTECT YOUR HOME, EVEN WHEN YOU'RE AWAY

Place Shelly BLU Door/Window on your front door, balconies, windows, or garage door, and receive a notification if someone opens them while you are away. This sensor can be used as part of your security system using automation scenarios or scenes.



## LET NO ENERGY GO TO WASTE

Shelly BLU Door/Window can also contribute to your energy efficiency efforts. By connecting it to other devices, you can automate the adjustment of heating, cooling, or lighting based on the door or window open state. For example, when a window is opened, the system can automatically turn off the heating to conserve energy.

# Shelly<sup>BLU</sup> Motion



## MONITOR YOUR HOME FROM ANYWHERE

Shelly BLU Motion provides the perfect solution to safeguard your living space. This small form factor sensor can fit multiple spaces, with a 5 year of battery prolonged life. You can set up custom alarm zones, defining specific regions where motion detection is critical. This enables the sensor to instantly alert you on your phone the moment any unauthorized movement is detected. With its smart sensitivity adjustment, Shelly BLU Motion allows you to customize the sensor's response to distinguish between pet movements and potential threats. With 256 levels of sensitivity, you can fine-tune the sensor, preventing false alarms and ensuring accurate detection of relevant motion events.



### Bluetooth operated

Quicker response, longer battery life and easy inclusion



### Immediate response

The sensor has a reaction time of less than 100 ms



### Long-lasting battery

Battery life of up to 5 years, depending on daily usage



### Scripting

Use the scripting functionalities on your Shelly Plus and Pro devices to create complex automations



### Scene activation

Set custom scenes by combining Shelly BLU Motion with your other Shelly devices

# WHY SHELLY BLU MOTION?

## SMART SECURITY STARTS AT YOUR DOOR!

**Shelly BLU Motion** is a smart Bluetooth motion detection sensor featuring a lux meter. The device comes ready-to-use with a battery installed. Connect all your Bluetooth devices with the cloud to create a smart ecosystem!

### TECHNICAL SPECIFICATIONS

<b>Power supply</b>	1x 3 V CR2477 battery (included)
<b>Battery life</b>	5 years
<b>Ambient temperature</b>	-20°C to 40°C / -5°F to 105°F
<b>Humidity</b>	30 % to 70 % RH
<b>Beacon mode</b>	Yes
<b>Shell material</b>	Plastic
<b>Color</b>	white
<b>Operational range (depending on local conditions)</b>	<ul style="list-style-type: none"><li>• Up to 10 m / 33 ft indoors</li><li>• Up to 30 m / 100 ft outdoors</li></ul>
<b>Dimensions (HxWxD)</b>	32x42x27 mm / 1.26x1.65x1.06 in
<b>Weight with the battery</b>	26 g / 0.92 oz (Device with the battery)
<b>Radio protocol</b>	Bluetooth
<b>Frequency</b>	2400 - 2495 MHz
<b>Max. RF power</b>	4 dBm
<b>Encryption</b>	AES encryption (CCM mode)

### CREATE YOUR HOME SCENARIOS

Integrating Shelly BLU Motion with other devices unlocks the full potential of your smart home automation. As you come home, Shelly BLU Motion detects your presence and immediately turns the lights on, offering you a warm welcome home. This also enhances energy efficiency, as lights only activate when needed. Adjust their working duration, create lighting scenes for different times of the day, or incorporate color-changing bulbs to set the perfect ambiance.

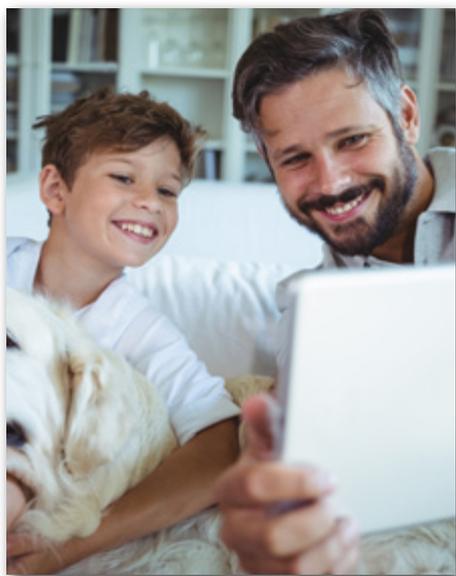


# Shelly<sup>BLU</sup> Gateway



## UNITE YOUR SMART DEVICES

Shelly BLU Gateway is a small form factor USB dongle acting as the gateway between Shelly BLU devices and the Shelly Cloud. If you want to extend your existing smart ecosystem of Shelly Gen-1 devices, that do not feature Bluetooth connectivity, with Shelly BLU sensors, Shelly BLU Gateway can serve as a gateway to Shelly Cloud and thus to your existing Gen-1 devices. This way, you can eliminate the need for an upgrade to Shelly Plus or Pro device.



### USB Type-A Plug



### Wi-Fi, Bluetooth connectivity

Quicker response and easy inclusion



### Embedded web interface



### Scripting

Use the scripting functionalities on your Shelly Plus and Pro devices to create complex automations



### Scene activation

Set custom scenes by combining Shelly BLU Gateway with your other Shelly devices

# WHY SHELLY BLU GATEWAY?

Shelly BLU Gateway is a smart BLE to Wi-Fi gateway in a USB A dongle.

## TECHNICAL SPECIFICATIONS

<b>Power supply</b>	5 VDC (from USB Type-A port)
<b>Ambient temperature</b>	-20 °C to 40 °C
<b>Humidity</b>	30 % to 70 % RH
<b>Beacon mode</b>	Yes
<b>Shell material</b>	Plastic
<b>Color</b>	white
<b>Operational range Bluetooth (depending on local conditions)</b>	<ul style="list-style-type: none"><li>• Up to 20 m / 66 ft indoors</li><li>• Up to 30 m / 100 ft outdoors</li></ul>
<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>	45x20x8 mm / 1.77x0.79x0.21 in
<b>Weight with the battery</b>	Device with the battery - 5g / 0.18 oz
<b>Bluetooth protocol</b>	4.2
<b>Frequency</b>	2400 - 2495 MHz

## EXPAND YOUR SMART ECOSYSTEM

When you need to ensure smooth data transfer from your bluetooth-enabled devices to a wide array of home automation platforms, Shelly BLU Gateway provides a reliable, effective path for communication through MQTT protocol. Thus, you can expand your current smart ecosystem with branded devices and platforms of your choice.





## **WAVE LINE WORKS ON Z-WAVE**

Shelly Qubino Wave line of devices operates on Z-Wave wireless communication technology, which is one of the most popular standardized technologies for smart homes in the world. All Wave devices work on the latest Z-Wave chip generation S800, providing lower power consumption, higher network reliability, and increased network range.

## **COMPATIBLE WITH ANY Z-WAVE GATEWAY**

Wave devices can be remotely controlled and monitored through Z-Wave network using a gateway/hub. You can use them with any certified Z-Wave gateway, as all Z-Wave smart home products can communicate with each other, regardless of their brand or manufacturer.

## **EASY INSTALLATION AND AUTOMATIC SET-UP**

All devices provide quick and easy installation with automatic setup for maximum convenience. Once installed and powered on, the device will be automatically added to your Z-Wave gateway/hub and network. This will enable you to control and monitor connected appliances from anywhere, using a smart home app on your smartphone/tablet, or to set automation actions, scenes, schedules, etc.

# WAVE LINE FEATURES



## High compatibility

Compatible with all certified Z-Wave devices and gateways available in the market (over 4000).



## Ultra-low power consumption

Most Wave devices operate at less than 0.3 W.



## Bulletproof security

Security 2 ensures secure communication with advanced encryption (AES128) and authentication, offering the highest level of network security.



## High reliability

Wave devices operate on a sub-GHz frequency, ensuring stable and reliable wireless connection without interference.



## Automatic set-up

SmartStart for automatic and hassle-free inclusion to your Z-Wave network.



## Extended wireless range

Up to 40 indoor range (depending on obstacles).



## Z-Wave signal repeater

Devices act as Z-Wave signal repeaters, extending the Z-Wave network range.



## OTA firmware updates

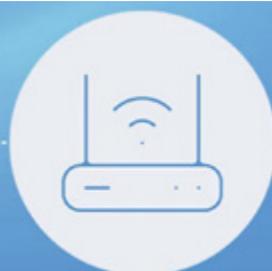
Support over-the air updates for the convenient installation of new firmware versions.



Z-Wave Device



Z-Wave Gateway



Router



Smartphone

# Shelly Wave 1



## AUTOMATE YOUR IRRIGATION SYSTEM FOR EFFORTLESS GARDENING

Keeping your garden green with a busy lifestyle can be challenging, but with an automated irrigation system, you can effortlessly manage your garden's watering needs with a tap on your smartphone.

## CONTROL YOUR GARAGE DOOR REMOTELY

Have you closed the garage door after leaving your home? From now on, simply make sure by checking on your smartphone. Wave 1 has operational voltages of 12V DC and 24-48V DC, which make it perfect for garage door control.

## SET UP ASSOCIATIONS AND LET YOUR HOME WELCOME YOU

Configure Wave 1 and other devices in your Z-Wave network and create associations between them for direct communication without a gateway. Automate your door lock and lights and set a rule: whenever the front door is unlocked, the lobby/hallway lights turn on.



### Z-Wave operated

Connect Wave 1 to your Z-Wave network and control it remotely. It's compatible with all certified Z-Wave gateway



### Associations

Establish direct communication between devices in your Z-Wave local network and set custom actions with no hub present



### Dry contact

Connect different power supply loads (up to 16A) to the device



### Wide range of voltage support

Use a wide range of output voltage levels. Supports low voltages



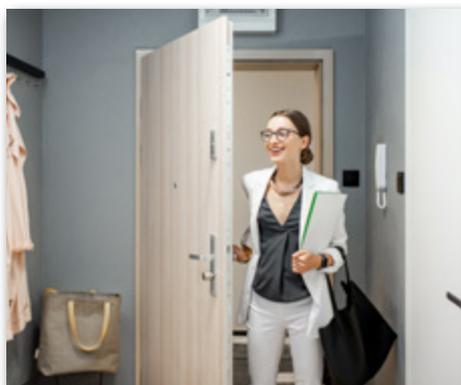
### Smart schedules

Create personalized schedules aligned with your daily routine or synchronize with sunrise/sunset to manage your lighting (gateway required)



### Smart scenes

Set custom scenes by combining Wave 1 with any other Z-wave devices (gateway required)

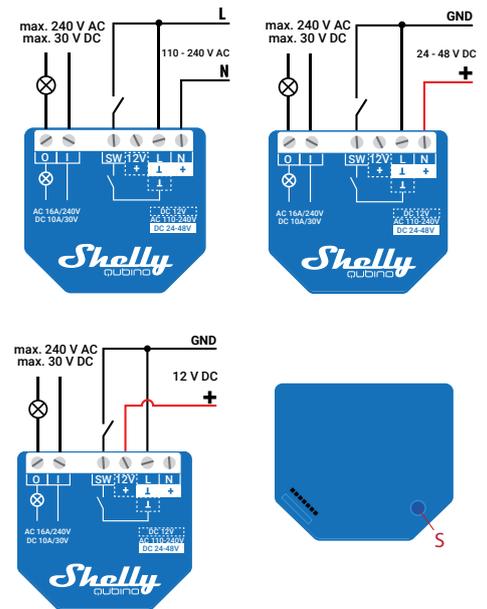


# WHY SHELLY QUBINO WAVE 1?

Control a wide range of devices and office equipment, such as electrical locks, gates, garage doors, irrigation systems, LED strips, lights, and sockets, from anywhere. The output contact is voltage-free (dry contact), allowing you to connect various power supply loads of up to 16 A to the device.

## TECHNICAL SPECIFICATIONS

<b>Power supply</b>	110-240 VAC, 50/60 Hz / 24-48 V DC / 12 V DC $\pm$ 10%
<b>Power consumption</b>	< 0.3 W
<b>Max. switching voltage AC</b>	240 V
<b>Max. switching current AC</b>	16 A
<b>Max. switching voltage DC</b>	30 V
<b>Max. switching current DC</b>	10 A
<b>Overheating protection</b>	Yes
<b>Distance</b>	Up to 40 m indoors (depends on local condition)
<b>Z-Wave™ repeater</b>	Yes
<b>CPU</b>	Z-Wave™ S800
<b>Z-Wave™ frequency bands</b>	868,4 MHz
<b>Maximum radio frequency power transmitted in frequency band</b>	< 25 mW
<b>Dimensions (HxWxD)</b>	37x42x16 mm / 1.46x1.65x0.63 in
<b>Ambient temperature</b>	-20°C to 40°C / -5°F to 105°F
<b>Mounting</b>	Wall console



### LEGEND

#### Device terminals:

- **N:** Neutral terminal
- **L:** Live terminal (110–240 V AC)
- **SW:** Switch/push-button input terminal (controlling O)
- **I:** Load circuit input terminal
- **O:** Load circuit output terminal
- **12V+:** 12 V DC positive terminal
- **+**: 24 - 48 V DC positive terminal
- **⌚:** 12 / 24 - 48 V DC ground terminal
- **S:** S button (Fig. 4)

#### Wires:

- **N:** Neutral wire
- **L:** Live wire (110-240 V AC)
- **+**: 12 / 24-48 V DC positive wire
- **GND:** 12 / 24-48 V DC ground wire



# Shelly Wave 1PM



## AUTOMATE AND CONTROL YOUR ELECTRICAL APPLIANCES FROM ANYWHERE

Easily automate and remotely control a wide range of appliances in your home, including water heaters, heating devices and. Imagine waking up to a cozy home on a chilly morning, as your heating appliances automatically activate before you even step out of bed.

## CONTROL YOUR POOL SYSTEM REMOTELY

Automate your pool system and enjoy fresh, clean water all summer long. Shelly Wave 1PM enables you to easily schedule and monitor the operation of pool equipment. Set up routines to automatically run the pool pump and filtration system, optimizing water circulation and maintaining water clarity. Schedule your pool lights to turn on automatically as the daylight fades and dive into a more efficient and enjoyable experience!

## MAXIMIZE THE COMFORT OF YOUR HOME WITH SMART SCENES

Combine Wave 1PM with other devices and create custom scenes based on time, lighting, or various triggers. With a "Good Night" scene, you can conveniently prepare your home for a peaceful night's sleep without leaving your bed. Turn off lights, media devices, lock doors, and adjust heating, all with a simple voice command or a single tap on your smartphone.



### Z-Wave operated

Connect Wave 1PM to your Z-Wave network and control it remotely. It's compatible with all certified Z-Wave gateways.



### Associations

Establish direct communication between devices in your Z-Wave local network and set custom actions with no hub present!



### Power Monitoring

Wave 1PM provides precise power consumption monitoring.



### Wide range of voltage support

Use a wide range of output voltage levels.



### Smart schedules

Create personalized schedules aligned with your daily routine or synchronize with sunrise/sunset to manage your lighting (gateway required).



### Smart scenes

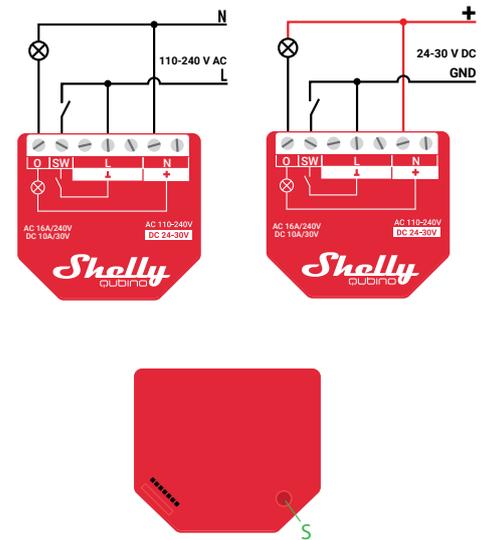
Set custom scenes by combining Wave 1PM with any other Z-wave devices(gateway required).

# WHY SHELLY QUBINO WAVE 1PM?

Control and measure power consumption for a wide range of home appliances and office equipment (lights, power lines, security systems, heaters, water heaters, etc.) from anywhere.

## TECHNICAL SPECIFICATIONS

<b>Power supply</b>	110-240 V AC / 24-30 V DC
<b>Power consumption</b>	< 0.3 W
<b>Power measurement (W)</b>	Yes
<b>Max. switching voltage AC</b>	240 V
<b>Max. switching voltage DC</b>	30 V
<b>Max. switching current AC</b>	16 A
<b>Max. switching current DC</b>	10 A
<b>Overheating protection</b>	Yes
<b>Distance</b>	Up to 40 m indoors (depends on local condition)
<b>Z-Wave™ repeater</b>	Yes
<b>CPU</b>	Z-Wave™ S800
<b>Z-Wave™ frequency band</b>	868,4 MHz
<b>Maximum radio frequency power transmitted in frequency band</b>	< 25 mW
<b>Dimensions (HxWxD)</b>	37x42x16 mm / 1.46x1.65x0.63 in
<b>Ambient temperature</b>	-20°C to 40°C / -5°F to 105°F
<b>Mounting</b>	Wall console



### LEGEND

#### Device terminals:

- **N:** Neutral terminal
- **L:** Live terminal (110–240 V AC)
- **SW:** Switch/push-button input terminal (controlling O)
- **O:** Load circuit output terminal
- **+**: 24-30 V DC positive terminals
- **⊥:** 24-30 V DC ground terminals
- **S:** S button (Fig. 3)

#### Wires:

- **N:** Neutral wire
- **L:** Live wire (110-240 V AC)
- **+**: 24–30 V DC positive wire
- **GND:** 24–30 V DC ground wire



# Shelly Wave 2PM



## CONTROL TWO LIGHTS WITH A SINGLE DEVICE

Wave 2PM allows you to remotely control two lights or other electrical appliances and monitor their energy usage. Use the manual switch, smart home app, home automation system or voice control. Easy, convenient, and energy-efficient!

## TRACK YOUR ENERGY USAGE AND SAVE MONEY

With Wave 2PM you can precisely measure power consumption for each channel separately (W) and together (W, kWh). Keep an eye on real-time consumption for the connected devices and adjust usage patterns to cut utility costs with ease!

## CREATE SCHEDULES THAT FOLLOW YOUR DAILY ROUTINE

Enhance the energy efficiency of your home and simplify your daily life. Set your lights to turn on gradually every morning at 7 am or at sunset, if the house is occupied. This way, your home can automatically follow your daily routine and create an atmosphere that suits you at a particular moment of the day.



### Z-Wave operated

Connect Wave 2PM to your Z-Wave network and control it remotely. It's compatible with all certified Z-Wave gateways.



### Associations

Establish direct communication between devices in your Z-Wave local network and set custom actions with no hub present!



### Power Monitoring

Wave 2PM provides precise power consumption monitoring on each channel separately and in total.



### Wide range of voltage support

Use it to control a wide range of devices and appliances.



### Smart schedules

Create personalized schedules aligned with your daily routine or synchronize with sunrise/sunset to manage your lighting (gateway required).



### Smart scenes

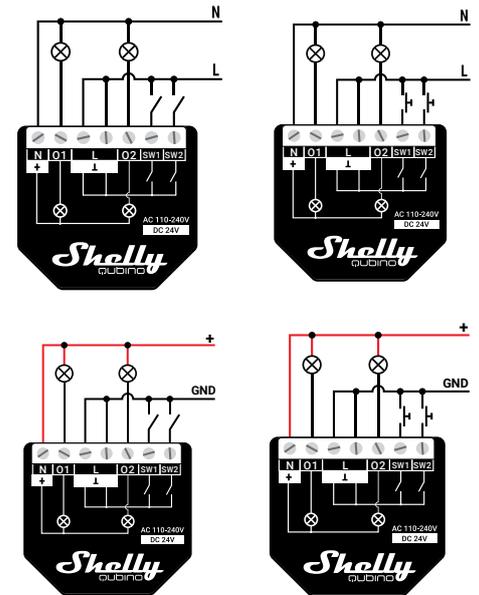
Set custom scenes by combining Wave 2PM with any other Z-Wave devices (gateway required).

# WHY SHELLY QUBINO WAVE 2PM?

Control and measure power consumption for a wide range of home appliances and office equipment (lights, power lines, security systems, heaters, water heaters, etc.) from anywhere.

## TECHNICAL SPECIFICATIONS

<b>Power supply</b>	110-240 V AC / 24 V DC
<b>Power consumption</b>	< 0.3 W
<b>Power measurement (W)</b>	Yes
<b>Max. switching voltage AC</b>	240 V
<b>Max. switching voltage DC</b>	30 V
<b>Max. switching current AC</b>	10 A per channel, 16 A total, 18 A total peak
<b>Max. switching current DC</b>	10 A
<b>Overheating protection</b>	Yes
<b>Distance</b>	Up to 40 m indoors (depends on local condition)
<b>Z-Wave™ repeater</b>	Yes
<b>CPU</b>	Z-Wave™ S800
<b>Z-Wave™ frequency band</b>	868,4 MHz
<b>Maximum radio frequency power transmitted in frequency band</b>	< 25 mW
<b>Dimensions (HxWxD)</b>	37x42x16 mm / 1.46x1.65x0.63 in
<b>Ambient temperature</b>	-20°C to 40°C / -5°F to 105°F
<b>Mounting</b>	Wall console



### LEGEND

#### Device terminals:

- **N:** Neutral terminal
- **L:** Live terminals (110–240 V AC)
- **O1:** Load circuit 1 output terminal
- **O2:** Load circuit 2 output terminal
- **SW1:** Switch/push-button input terminal (controlling O1)
- **SW2:** Switch/push-button input terminal (controlling O2)
- **+**: 24 V DC positive terminal
- **⊥:** 24 V DC ground terminals
- **S:** S button

#### Wires:

- **N:** Neutral wire
- **L:** Live wire (110-240 V AC)
- **+**: 24 V DC positive wire
- **GND:** 24 V DC ground wire



# Shelly Wave Shutter

QUBINO



## CURTAINS THAT FOLLOW YOUR DAILY ROUTINE

Program your daily routines to perfection by synchronizing Wave Shutter with your regular morning and evening activities. Have your curtains open and close at your chosen hours every day, establishing an ideal ambience to start and end your day. Use position control to dictate your preferred curtain position, customizing your lighting levels to your exact liking. And don't worry—manual operation remains at your fingertips, with curtains being easily controllable via a switch or a push-button, suiting the needs of everyone in your home.



## ADJUST THE AMOUNT OF NATURAL LIGHT FOR MAXIMUM COMFORT

Nowadays, many people prefer working from their home office. However, direct sunlight on your computer screen can be irritating. With Wave Shutter, you can adjust the position of the venetian blinds using your smart home app, without leaving your desk and interrupting your workflow. Additionally, it also allows you to adjust the blind slats angle, depending on how much natural light you prefer to let in. Make working from home as comfortable as possible to maximize productivity!



### Z-Wave operated

Connect Wave Shutter to your Z-Wave network and control it remotely. It's compatible with all certified Z-Wave gateways.



### Position control

Set the desired position of your blinds, roller shutters, screens, awnings, and other devices powered by bi-directional AC motors.



### Slats angle control

Use Wave Shutter with your venetian blinds and control the tilt position (angle) of slats to adjust the amount of light in a room.



### Associations

Establish direct communication between devices in your Z-Wave local network and set custom actions with no hub present!



### Smart Schedules

Set up your blinds to work automatically by creating personalized schedules aligned with your daily routine or synchronize with sunrise/sunset (gateway required).



### Smart Scenes

Set custom scenes by combining Wave Shutter with any other Z-Wave devices (gateway required).

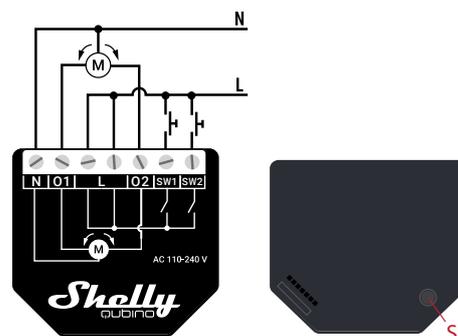


# Z-WAVE™ SHUTTER CONTROL WITH POWER MEASUREMENT, 10 A PER CHANNEL

**Wave Shutter** is retrofit and designed to fit behind switches/push-buttons, instantly transforming them into smart ones. Once installed, include the device in your Z-Wave network (Z-Wave gateway is required) and control connected appliances from anywhere using your smartphone or tablet. Shelly Qubino devices work with over 4000 Z-Wave certified devices and gateways.

## TECHNICAL SPECIFICATIONS

<b>Power Supply</b>	110-240 VAC, 50/60 Hz
<b>Power Consumption</b>	< 0.3 W
<b>Power measurement</b>	Yes
<b>Working temperature</b>	-20°C to 40°C / -5°F to 105°F
<b>Z-Wave repeater</b>	Yes
<b>Max. switching voltage AC</b>	240 V
<b>Max. switching current AC</b>	10 A per channel
<b>Z-Wave frequencies band</b>	868,4 MHz
<b>Z-Wave range</b>	Up to 40 m indoors (131 ft.) (depends on local condition)
<b>Dimensions</b>	37x42x16 mm / 1.46x1.65x0.63 in
<b>CPU</b>	Z-Wave S800
<b>Wire cross section range</b>	0.5 to 1.5 mm <sup>2</sup> / 20 to 16 AWG



### LEGEND

#### Device terminals:

- N:** Neutral terminal
- L:** Live terminals (110–240 V AC)
- O1:** Output terminal for motor UP (open)
- O2:** Output terminal for motor DOWN (close)
- SW1:** Input terminal for switch/push-button UP (open)
- SW2:** Input terminal for switch/push-button DOWN (close)

#### Wires:

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

#### Button:

- S:** S button



# Shelly Wave i4



## MULTI-ACTIONS SUPPORT

With a simple push of a button, you can activate up to 12 scenes or actions from other Z-Wave devices in your network. Wave i4 supports up to 3 different automation actions per button, which makes it extremely convenient for quick manual control over a group of devices.

Install Wave i4 where it is the most convenient for you and set buttons to simultaneously control lights, blinds, and other devices in specific rooms or entire building.

### Scene Activation:

#### 1 click

Turn off multimedia appliances

#### 2 clicks

Close blinds

#### 1 long click (hold)

Turn on/off lights in the hall



## TRIGGER UP TO 8 ACTIONS WITHOUT A GATEWAY!

Wave i4 allows you to establish direct communication between your Z-Wave devices and set various associations without requiring a hub!\* By supporting 2 associations per button, Wave i4 enables you to trigger and execute up to 8 actions and thus seamlessly control multiple Z-Wave devices with a simple press of a button



### Z-Wave operated

Include Wave i4 to your Z-Wave network and control it remotely. It's compatible with all certified Z-Wave gateways.



### Multi-click support

Up to 12 possible actions. Control the lights, close the blinds, turn off outlets. Manually control any Z-Wave device in your network and run the scenes you desire.



### Wide range of voltage support

Wave i4 can be powered by 110-240 V AC.



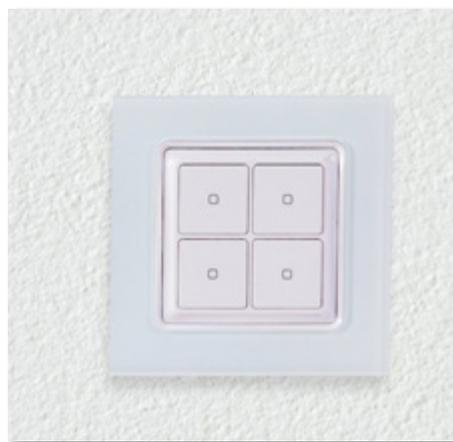
### Associations

Establish direct communication between devices in your Z-Wave local network and set actions with no hub present! Configure up to 8 associations on the switch buttons and trigger them manually.



### Smart Scenes

Set custom scenes by combining Wave i4 with any other Z-Wave devices (gateway required).



## COMPLEX SCENES CONTROL

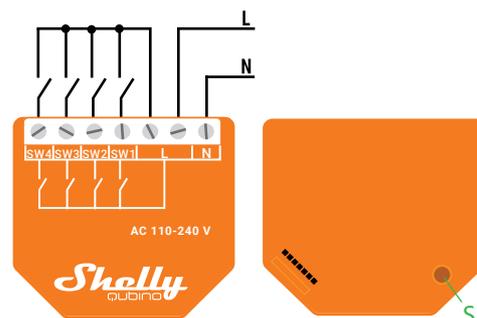
Manually activate or deactivate complex scenes. With Wave i4 you can run synchronized actions of several Z-Wave devices. You can install Wave i4 close to the front door of your home and turn off/on all the lights in your house with one push of the button, saving you time when you are in a hurry.

# REPLACE ONE OF THE SWITCHES IN YOUR ROOM AND CONTROL ANY OTHER INSTALLED Z-WAVE DEVICE!

**Wave i4** allows you to manually activate or deactivate any created scene, run synchronized actions, or execute complex trigger scenarios. You can use it to control other Z-Wave devices within your network with one push of a button. Due to its retrofit design, it is small enough to fit behind every wall switch. Wave i4 can show the status and control the action of four inputs, offering maximum convenience by enabling manual control of your smart home to all family members.

## TECHNICAL SPECIFICATIONS

<b>Power Supply</b>	110-240 VAC, 50/60 Hz
<b>Power Consumption</b>	< 0.2 W
<b>Power measurement</b>	No
<b>Working temperature</b>	-20°C to 40°C / -5°F to 105°F
<b>Z-Wave repeater</b>	Yes
<b>Z-Wave frequencies band</b>	868,4 MHz
<b>Z-Wave range</b>	Up to 40 m indoors (131 ft.) (depends on local condition)
<b>Dimensions</b>	37x42x16 mm / 1.46x1.65x0.63 in
<b>CPU</b>	Z-Wave S800
<b>Wire cross section range</b>	0.5 to 1.5 mm <sup>2</sup> / 20 to 16 AWG



### LEGEND

#### Device terminals:

**N:** Neutral terminal

**L:** Live terminals (110–240 V AC)

**SW1:** Switch/push-button input terminal

**SW2:** Switch/push-button input terminal

**SW3:** Switch/push-button input terminal

**SW4:** Switch/push-button input terminal

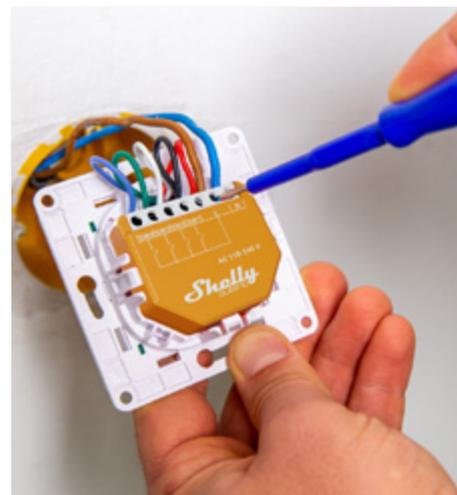
#### Wires:

**N:** Neutral wire

**L:** Live wire (110-240 V AC)

#### Button:

**S:** S button



# Shelly Wave i4DC



## ULTIMATE COMFORT

One of the most frustrating things is to realize you forgot to switch off the lights in the living room before you go to bed. Especially when your phone is nowhere around. But there is no need to worry! Wave i4 DC allows manual control of other Z-Wave devices with a switch. Now the full control of your house is just one hand away!



## PERFECT MATCH

Wave i4 DC is perfect for Shelly Wall Switch for Smart Relays – a 4 button switch. Each button can activate up to 4 different actions. That means that only one 4 button switch would allow as much as 16 scenes trigger and execution! Thanks to its compact dimensions and simple wiring, Shelly Wall Switch can fit into any existing switch console or even the tiniest spaces. No expansion of the wall space or any changes in the wiring needed!



### Z-Wave operated

Include Wave i4 DC to your Z-Wave network and control it remotely. It's compatible with all certified Z-Wave gateways.



### Multi-click support

Up to 12 possible actions. Control the lights, close the blinds, turn off outlets. Manually control any Z-Wave device within your network and run the scenes you desire.



### Wide range of voltage support

Wave i4 DC can be powered by 5-24 V



### Associations

Establish direct communication between devices in your Z-Wave local network and set actions with no hub present! Configure up to 8 associations on the switch buttons and trigger them manually.



### Smart Scenes

Set custom scenes by combining Wave i4 DC with any other Z-Wave devices (gateway required).



## TRIGGER UP TO 8 ACTIONS WITHOUT A GATEWAY!

Wave i4 DC allows you to establish direct communication between your Z-Wave devices and set various associations without requiring a hub!\* By supporting 2 associations per button, Wave i4 DC enables you to trigger and execute up to 8 actions and thus seamlessly control multiple Z-Wave devices with a simple press of a button.

### Examples:

**1 click** (for basic commands)

Turn on/off lights

**1 long click (hold)** (for multilevel commands)

Dim lights or open/close blinds

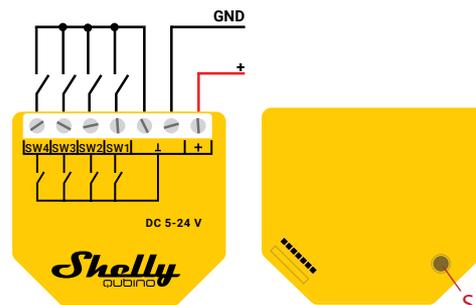
*\*Gateway/hub is needed for a configuration of the device.*

# Z-WAVE™ 4-DIGITAL INPUTS CONTROLLER FOR ENHANCED ACTIONS CONTROL

**Wave i4 DC** is retrofit and designed to fit behind switches/push-buttons. Once installed, include the device in your Z-Wave network (Z-Wave gateway is required) and control it using your smartphone or tablet. Shelly Qubino devices work with over 4000 Z-Wave certified devices and gateways.

## TECHNICAL SPECIFICATIONS

<b>Power Supply</b>	5 - 24 V DC
<b>Power Consumption</b>	< 0.3 W
<b>Power measurement</b>	No
<b>Number of inputs</b>	4
<b>Working temperature</b>	-20°C to 40°C / -5°F to 105°F
<b>Z-Wave repeater</b>	Yes
<b>Z-Wave frequencies band</b>	868,4 MHz
<b>Z-Wave range</b>	Up to 40 m indoors (131 ft.) (depends on local condition)
<b>Dimensions</b>	37x42x16 mm / 1.46x1.65x0.63 in
<b>CPU</b>	Z-Wave S800
<b>Wire cross section range</b>	0.5 to 1.5 mm <sup>2</sup> / 20 to 16 AWG



### LEGEND

#### Device terminals:

**⊥**: Ground terminal

**+**: Positive terminal

**SW1**: Switch/push-button input terminal

**SW2**: Switch/push-button input terminal

**SW3**: Switch/push-button input terminal

**SW4**: Switch/push-button input terminal

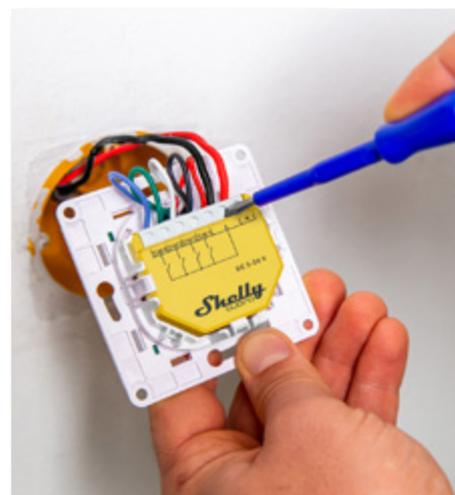
#### Wires:

**GND**: Neutral wire

**+**: Positive wire

#### Button:

**S**: S button



# Shelly Wave Plug UK



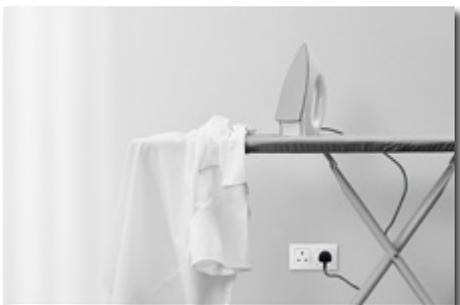
## MAKE ANY OLD ELECTRICAL APPLIANCE SMART

There is no need to invest in expensive smart appliances. If you have an old space heater, don't let go of it just yet! Instead, make it smart by simply plugging it into Wave Plug UK! Then, create a scene and have the heater turn on when the room temperature drops below your desired level. And the cherry on top? You always know how much energy you are consuming!



## NO MORE FORGOTTEN APPLIANCES

Have you left an appliance running at home, wasting energy or causing damage? With Wave Plug UK, you can control and monitor all plugged-in appliances easily and simply with just a click or set scenes, so forgotten devices can automatically switch off after a pre-set time to save energy or, even more importantly, to prevent damage.



### Z-Wave operated

Include Wave Plug UK to your Z-Wave network and control it remotely. It's compatible with all certified Z-Wave gateways.



### Wide variety of appliances supported

Use it to control a wide range of devices and appliances with a power of up to 3000 W (resistive) at 13 A.



### Power monitoring

Wave Plug UK provides precise monitoring of the power consumption, indicated by the colour of the LED ring.



### Associations

Establish direct communication between devices in your Z-Wave local network and set actions with no hub present!



### Smart Schedules

Set custom schedules based on your daily agenda or automatically follow the sunrise/sunset and control your appliances accordingly (gateway required).



### Smart Scenes

Set custom scenes by combining Wave Plug UK with any other Z-Wave devices (gateway required).

# THE Z-WAVE SMART PLUG WITH LED INDICATIONS

**Wave Plug UK** is a Z-Wave smart plug with power metering that allows you to automate and remotely control a space heater, iron, TV, or any other connected electrical appliance at home with a power capacity of up to 3000 W at 13 A. Its LED indication ring keeps you informed about the current power consumption and the current state of the appliance (e.g. if overcurrent or overheating is detected).

## TECHNICAL SPECIFICATIONS

<b>Power supply</b>	230 VAC, 50/60 Hz
<b>Max. switching current AC</b>	13 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>Humidity</b>	30% to 70% RH
<b>Z-Wave frequency band</b>	868,4 MHz
<b>Operational range (depending on local conditions)</b>	up to 40 m indoors (131 ft.)
<b>Processor (CPU)</b>	Z-Wave S800
<b>Compatible sockets</b>	BS 1363 (Type-G)
<b>Compatible plugs</b>	BS 1363 (Type-G)
<b>Dimensions (HxWxL)</b>	60x60x56 mm / 2.36x2.36x2.20 in
<b>Power consumption</b>	< 0.7 W

By using Z-Wave, smart home products can seamlessly communicate with each other, regardless of their brand or platform, thanks to a centralized smart hub! Shelly Qubino devices work on the latest Z-Wave chip generation (S800), one of the most popular standardized technologies for smart homes in the world.

\*Z-Wave devices have specific requirements in order to function correctly, such as the necessity to use a supported Z-Wave hub. For more information, please visit the official Z-Wave website: [www.z-wave.com](http://www.z-wave.com)

# Shelly Wave Plug US



## FORECAST AND OPTIMIZE YOUR UTILITY EXPENSES

Wave Plug US allows you to monitor the real-time energy consumption of all switched-on devices or their energy consumption over a certain period. And by doing so - discover energy wastes or forecast and optimize your expenses.



## FAMILY-FRIENDLY DEVICE

Are your kids having vacations while you're at work, worrying that they might spend the entire day watching TV? Wave Plug US is a family-friendly device, as you can set schedules to limit TV/computer time for your teenager, or it can help you prevent unnecessary energy consumption by automatically turning off your kids' toy chargers.



### Z-Wave operated

Include Wave Plug US to your Z-Wave network and control it remotely. It's compatible with all certified Z-Wave gateways.



### Wide variety of appliances supported

Use it to control a wide range of devices and appliances with a power of up to 1800 W at 15 A.



### Power monitoring

Wave Plug US provides precise monitoring of the power consumption.



### Associations

Establish direct communication between devices in your Z-Wave local network and set actions with no hub present!



### Smart Schedules

Set custom schedules based on your daily agenda or automatically follow the sunrise/sunset and control your appliances accordingly (gateway required).



### Smart Scenes

Set custom scenes by combining Wave Plug US with your other Shelly Qubino devices (gateway required).

# THE Z-WAVE SMART PLUG THAT FITS EVERYWHERE

**Wave Plug US** is a Z-Wave smart plug with power metering that allows you to automate and remotely control a space heater, iron, TV, or any other connected electrical appliance at home with a power capacity of up to 1800 W at 15 A. Simply plug your standard space heater into Wave Plug US, enabling you to conveniently switch it on and off at any time and from anywhere with just a single click on your phone.

## TECHNICAL SPECIFICATIONS

<b>Power supply</b>	120 VAC, 60 Hz
<b>Max. switching current AC</b>	13 A
<b>Working temperature</b>	-20°C to 40°C / -5°F to 105°F
<b>Humidity</b>	30% to 70% RH
<b>Z-Wave frequency band</b>	908,4 MHz
<b>Operational range (depending on local conditions)</b>	up to 40 m indoors (131 ft.)
<b>Dimensions (HxWxL)</b>	38x84x52 mm / 1.5x3.3x2.0 in
<b>Processor (CPU)</b>	Z-Wave S800
<b>Compatible sockets</b>	NEMA 5-15 (Type-B)
<b>Compatible plugs</b>	NEMA 1-15 (Type-A) and NEMA 5-15 (Type-B)
<b>Power consumption</b>	< 0.3 W

Wave Plug US with Plug & Play installation instantly transforms any connected electrical appliance into a smart one. Once plugged in, include it in your Z-Wave network (Z-Wave gateway is required) and control connected appliances from anywhere using your smartphone or tablet. Shelly Qubino devices work with over 4000 Z-Wave certified devices and gateways.

# Shelly Wave Pro 1

QUBINO



## Dynamic lights control for improved efficiency

Automate your lights and optimize their energy consumption through smart schedules, scenes, actions, etc. Wave Pro 1 allows you to automate the lights on each floor separately and set custom schedules for each of them. Set all lights in the office to switch off when everyone has left the premises and never worry about wasting energy during non-working hours.



## Common space automation

Common spaces such as halls, garages, and storage rooms usually have their lights constantly switched on, which leads to inefficient usage of energy and unnecessary monthly costs. Set the actions, so the motion sensor\* will trigger the Wave Pro 1 to switch the lights on when someone enters and switch them off once the premises are empty. This will ensure the most efficient use of the lights in the common spaces.

\*Any Z-Wave motion sensor can be used with Wave Pro 1



### Z-Wave operated

Include Wave Pro 1 to your Z-Wave network and control it remotely. It's compatible with all certified Z-Wave gateways.



### 1 channel, 16 A

It has a total device output of 16 A.



### Dry contacts

Supporting low and high voltages, this device enables you to control a wide range of AC devices and appliances.



### DIN-mountable

Intended to be installed inside the breaker box and designed to meet the global DIN rail standardization.



### Associations

Establish direct communication between devices in your Z-Wave local network and set actions with no hub present!



### The highest level of security

Include the device as Security 2 Authenticated for encrypted communication and utmost safety of your Z-Wave network.

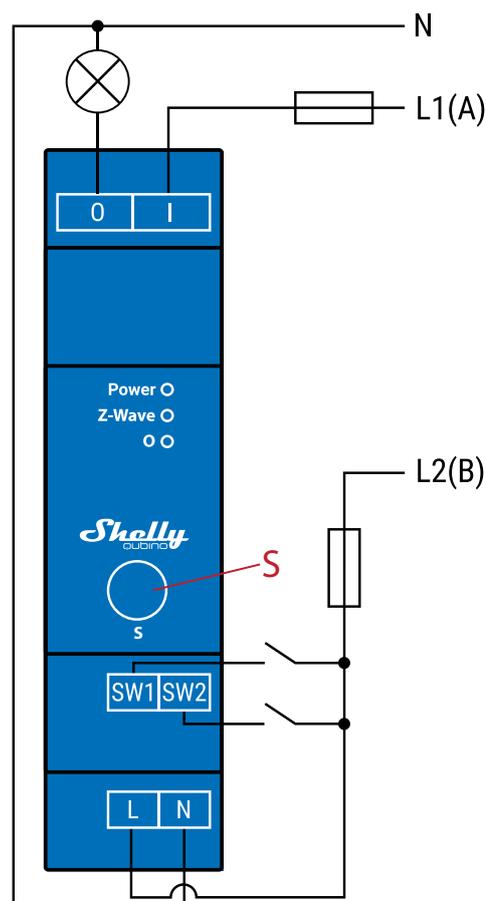
# THE BEST SOLUTION FOR NEW HOME BUILDINGS AND BUSINESS FACILITIES

**Wave Pro 1** is a one-phase, 1 channel relay supporting up to 16 A for professional lights and appliance automation in residential or commercial applications. It is equipped with potential-free outputs (dry contacts) offering high flexibility in voltage support and applications. Different types of actions, scenarios, and schedules can be set to sync your environment to your daily activities or business needs.

## TECHNICAL SPECIFICATIONS

<b>Power supply</b>	110-240 VAC, 50/60 Hz;
<b>Max. switching current AC</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>Z-Wave frequency bands</b>	868,4 MHz
<b>Power consumption</b>	< 0,3 W
<b>CPU</b>	Z-Wave S800
<b>Operational range (depending on local conditions)</b>	Up to 40 m indoors (131 ft.) (depends on local condition)
<b>Dimensions (HxWxD)</b>	94x19x69 mm / 3.70x0.75x2.71 in
<b>Mounting</b>	DIN rail
<b>Wire cross section range</b>	0.5 to 2.5 mm <sup>2</sup> / 20 to 14 AWG (green connector) 0.5 to 1.5 mm <sup>2</sup> / 20 to 16 AWG (white connectors)

## HOW TO CONNECT



### Legend

#### Device terminals:

- N:** Neutral terminal
- L:** Live terminal (110–240 V AC)
- SW (SW1):** Switch/push-button input terminal (controlling O (O1))
- SW2:** Switch/push-button input terminal
- I:** Load circuit input terminal
- O (O1):** Load circuit output terminal (1)
- Wires:**
- N:** Neutral wire
- L1(A):** Load circuit live wire (110-240 V AC)
- L1(B):** Device power supply live wire (110-240 V AC)
- Buttons:**
- S:** S button

# Shelly Wave Pro 2



## Control lights on 2 phases

Automate the lights and optimize their energy consumption through smart schedules, timers, scenarios, etc. Wave Pro 2 allows you to control the lights on 2 phases and manage them separately by setting custom schedules and smart timers. Set the lights on the operational floors to switch off completely after the working day is over and switch back on only where it is necessary at 7:00 in the morning. This way, you will not have to worry about any forgotten lights or efficiency.

## Sockets automation for efficient energy usage

Make sure that no energy goes to waste by automating the sockets' power supply with Wave Pro 2 and use the smart scheduling to cut off the power to all non-essential heavy consuming electrical appliances in offices between 7:00 PM and 7:00 AM during the weekdays and over the weekend. That way, you will cut the energy consumption of these devices in half, which will result in significant optimization of the monthly energy cost.



### Z-Wave operated

Include Wave Pro 2 to your Z-Wave network and control it remotely. It's compatible with all certified Z-Wave gateways.



### 2 outputs, 16 A each

It has a total device output of 25 A.



### Dry contacts

Supporting low and high voltages, this device enables you to control a wide range of AC devices and appliances.



### DIN-mountable

Intended to be installed inside the breaker box and designed to meet the global DIN rail standardization.



### Associations

Establish direct communication between devices in your Z-Wave local network and set actions with no hub present!



### The highest level of security

Include the device as Security 2 Authenticated for encrypted communication and utmost safety of your Z-Wave network.

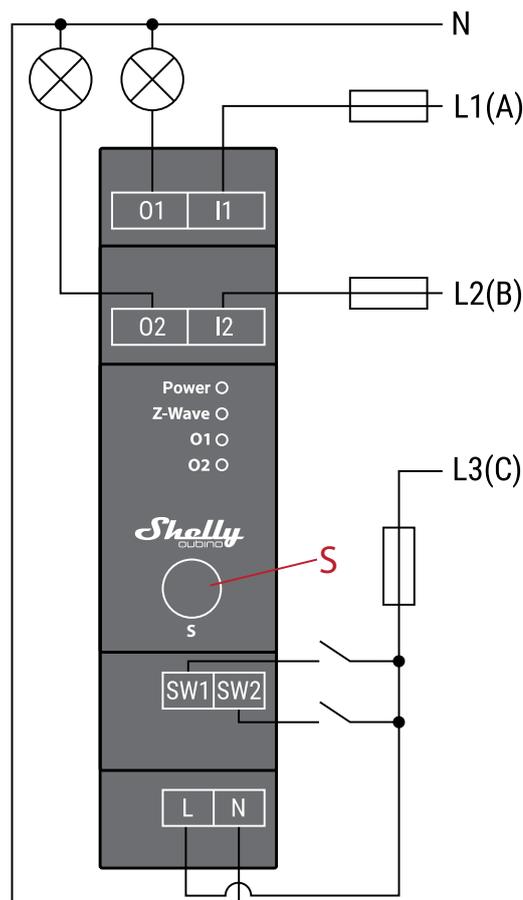
# THE BEST SOLUTION FOR NEW HOME BUILDINGS AND BUSINESS FACILITIES

**Wave Pro 2** is a two-phase, 2-channel relay supporting up to 25 A for professional lights and appliance automation for residential or commercial use. It is equipped with potential-free outputs (dry contacts), offering high flexibility in voltage support and applications. Different types of actions, scenarios, and schedules can be set to sync your environment to your daily activities or business needs.

## TECHNICAL SPECIFICATIONS

<b>Power supply</b>	110-240 VAC, 50/60 Hz;
<b>Max. switching current AC</b>	16 A per channel, 25 A total
<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>Z-Wave frequency bands</b>	868,4 MHz
<b>Power consumption</b>	< 0,3 W
<b>CPU</b>	Z-Wave S800
<b>Operational range (depending on local conditions)</b>	Up to 40 m indoors (131 ft.) (depends on local condition)
<b>Dimensions (HxWxD)</b>	94x19x69 mm / 3.70x0.75x2.71 in
<b>Mounting</b>	DIN rail
<b>Wire cross section range</b>	0.5 to 2.5 mm <sup>2</sup> / 20 to 14 AWG (green connector) 0.5 to 1.5 mm <sup>2</sup> / 20 to 16 AWG (white connectors)

## HOW TO CONNECT



### Legend

#### Device terminals:

**N:** Neutral terminal

**L:** Live terminal (110–240 V AC)

**SW (SW1):** Switch/push-button input terminal (controlling 0 (O1))

**SW2:** Switch/push-button input terminal

**I1:** Load circuit 1 input terminal

**I2:** Load circuit 2 input terminal

**O (O1):** Load circuit output terminal (1)

**O2:** Load circuit 2 output terminal

#### Wires:

**N:** Neutral wire

**L1(A):** Load circuit live wire (110-240 V AC)

**L1(B):** Device power supply live wire (110-240 V AC)

**L3(C):** Device power supply live wire (110-240 V AC)

#### Button:

**S:** S button

# Shelly Wave Pro 1PM



## Preventative management

When an electrical appliance is damaged, it doesn't simply stop working. Usually, it increases the amount of energy used in an attempt to compensate for its operational capacity. Since there is no visible difference in its performance, it might take months before you can identify a problem, leading to inefficiency and wasted energy. Wave Pro 1PM, however, will immediately report the increase in energy consumption and will save you additional expenses on repairs or replacement of equipment.



## Avoid unnecessary energy usage by controlling the office equipment power supply

Stop unnecessary energy usage in the office over the weekend! Computers and monitors that somebody forgot to turn off, plugged chargers, lit up desk lights, printers and copy machines left switched on, etc. - all these appliances are consuming energy when nobody is in the office, unnecessarily burdening the monthly bills. Avoid that by setting Wave Pro 1PM to cut off the power supply of the office appliances over the weekend to save on energy. Use smart scheduling functions to restore the power supply before the employees arrive at the office.



### Z-Wave operated

Include Wave Pro 1PM to your Z-Wave network and control it remotely. It's compatible with all certified Z-Wave gateways.



### 1 channel, 16 A

Wave Pro 1PM has a total device output of 16 A.



### Power monitoring

Wave Pro 1PM provides precise monitoring of the power consumption.



### Wide range of voltage support

Use it to control a wide range of AC devices and appliances.



### Associations

Establish direct communication between devices in your Z-Wave local network and set actions with no hub present!



### The highest level of security

Include the device as Security 2 Authenticated for encrypted communication and utmost safety of your Z-Wave network.

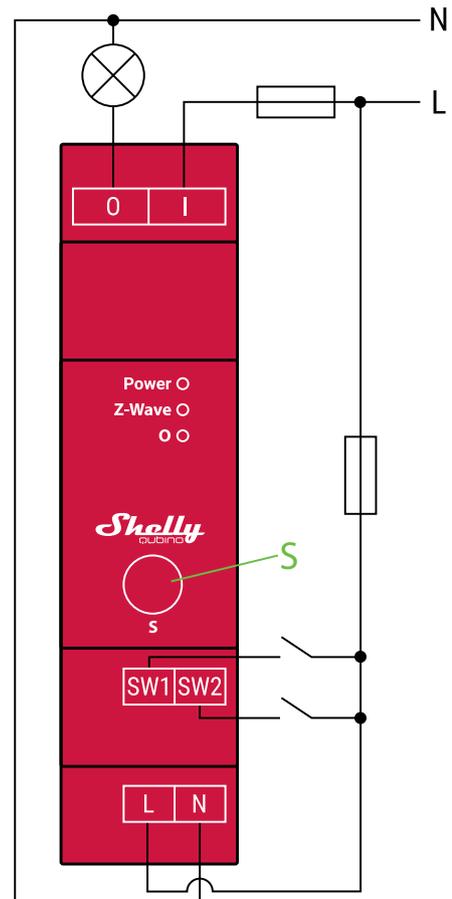
# THE BEST SOLUTION FOR NEW HOME BUILDINGS AND BUSINESS FACILITIES

**Wave Pro 1PM** is a one-phase, 1-channel relay supporting up to 16 A. Equipped with an integrated power meter, Wave Pro 1PM allows you to measure the power consumption of all automated lights or heavier appliances. Different types of actions, scenarios, and schedules can be set to sync your environment to your daily activities or business needs.

## TECHNICAL SPECIFICATIONS

<b>Power supply</b>	110-240 VAC, 50/60 Hz;
<b>Max. switching current AC</b>	16 A per channel
<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>Z-Wave frequency bands</b>	868,4 MHz
<b>Power consumption</b>	< 0,3 W
<b>CPU</b>	Z-Wave S800
<b>Operational range (depending on local conditions)</b>	Up to 40 m indoors (131 ft.) (depends on local condition)
<b>Dimensions (HxWxD)</b>	94x19x69 mm / 3.70x0.75x2.71 in
<b>Mounting</b>	DIN rail
<b>Wire cross section range</b>	0.5 to 2.5 mm <sup>2</sup> / 20 to 14 AWG (green connector) 0.5 to 1.5 mm <sup>2</sup> / 20 to 16 AWG (white connectors)

## HOW TO CONNECT



### Legend

#### Device terminals:

**N:** Neutral terminal

**L:** Live terminal (110–240 V AC)

**SW (SW1):** Switch/push-button input terminal (controlling O (O1))

**SW2:** Switch/push-button input terminal

**I:** Load circuit 1 input terminal

**O (O1):** Load circuit output terminal (1)

#### Wires:

**N:** Neutral wire

**L:** Live wire (110-240 V AC)

#### Button:

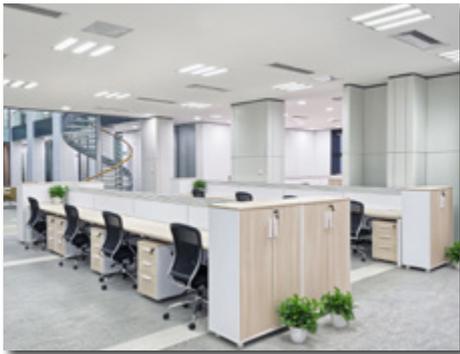
**S:** S button

# Shelly Wave Pro 2PM



## Dynamic lights control for improved efficiency

Automate your lights and optimize their energy consumption through smart schedules, scenes, actions, etc. Wave Pro 2PM allows you to automate the lights on each floor separately and set custom schedules for each of them. Set all lights in the office to switch off when everyone has left the premises and never worry about wasting energy during non-working hours.



## Smart conference room

Automate the conference rooms so that they are fully ready for your business meetings. Establish a local (direct) communication between Z-Wave devices within your network and execute actions without Z-Wave gateway. The motion sensor\* will trigger the Wave Pro 2PM to turn on the lights and the projector, so the conference room is instantly ready for your presentation!

\*Any Z-Wave motion or door sensor can be used with Wave Pro 2PM



### Z-Wave operated

Include Wave Pro 2PM to your Z-Wave network and control it remotely. It's compatible with all certified Z-Wave gateways.



### 2 outputs, 16 A each

Wave Pro 2PM has a total device output of 25 A.



### Power metering

Wave Pro 2PM provides precise monitoring of the power consumption on each channel (W) or together (W, kWh).



### Wide range of voltage support

Use it to control a wide range of AC devices and appliances.



### Associations

Establish direct communication between devices in your Z-Wave local network and set actions with no hub present!



### The highest level of security

Include the device as Security 2 Authenticated for the encrypted communication and utmost safety of your Z-Wave network.

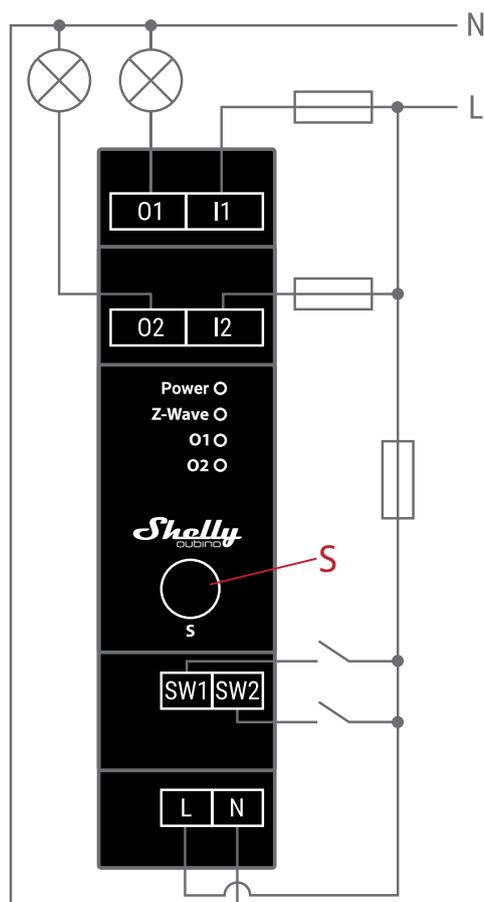
# THE BEST SOLUTION FOR NEW HOME BUILDINGS AND BUSINESS FACILITIES

**Wave Pro 2PM** is a one-phase, 2-channel relay, supporting up to 16 A per channel with a total device capacity of 25 A. It is equipped with two integrated power meters that allow customers to control and monitor the consumption for each channel separately and or together. Different types of actions, scenarios, and schedules can be set to sync your environment to your daily activities or business

## TECHNICAL SPECIFICATIONS

<b>Power supply</b>	110-240 VAC, 50/60 Hz;
<b>Max. switching current AC</b>	16 A per channel, 25 A total
<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>Z-Wave frequency bands</b>	868,4 MHz
<b>Power consumption</b>	< 0,3 W
<b>CPU</b>	Z-Wave S800
<b>Operational range (depending on local conditions)</b>	Up to 40 m indoors (131 ft.) (depends on local condition)
<b>Dimensions (HxWxD)</b>	94x19x69 mm / 3.70x0.75x2.71 in
<b>Mounting</b>	DIN rail
<b>Wire cross section range</b>	0.5 to 2.5 mm <sup>2</sup> / 20 to 14 AWG (green connector) 0.5 to 1.5 mm <sup>2</sup> / 20 to 16 AWG (white connectors)

## HOW TO CONNECT



### Legend

#### Device terminals:

- N:** Neutral terminal
- L:** Live terminal (110–240 V AC)
- SW (SW1):** Switch/push-button input terminal (controlling O (O1))
- SW2:** Switch/push-button input terminal (controlling O2)
- I1:** Load circuit 1 input terminal
- I2:** Load circuit 2 input terminal
- O (O1):** Load circuit 1 output terminal
- O2:** Load circuit 2 output terminal

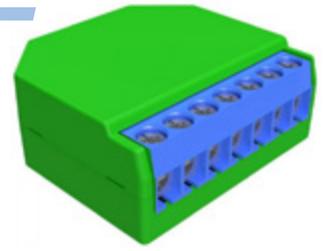
#### Wires:

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

#### Button:

- S:** S button

# Shelly<sup>®</sup> dimmer2



## SMALL SIZE FULL OF FUNCTIONALITIES



Intelligently designed to fit in most standard electrical boxes and switches. Shelly Dimmer 2 is a tiny device offering an array of dimming functionalities.



### No additional controller

Shelly Dimmer 2 uses your home Wi-Fi network, no additional controllers are needed.



### On/off and dimming function

With Shelly Dimmer 2 you can turn on/off or use dimming function to set your lights to your preference.



### Overheating protection

Internal temperature sensor for overheating protection.



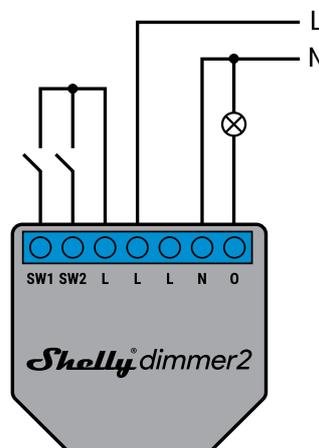
### Support 100-240V~ 50/60Hz

With Shelly Dimmer 2 you can use incandescent and halogen lights: 10-220W, dimmable LED lights: 50-200VA / 10W – 200W or resistive-inductive loads: ferromagnetic transformers 50-150VA.

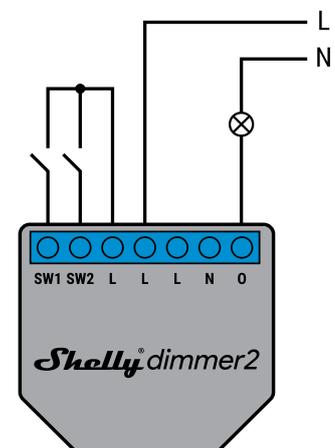


### Free Cloud

All you need to manage your Shelly Dimmer 2 is a smartphone and the Shelly Cloud free mobile application.



Standard wiring  
with neutral



No neutral  
wiring

# CREATE THE PERFECT HOME ATMOSPHERE THAT SUITS YOUR MOOD

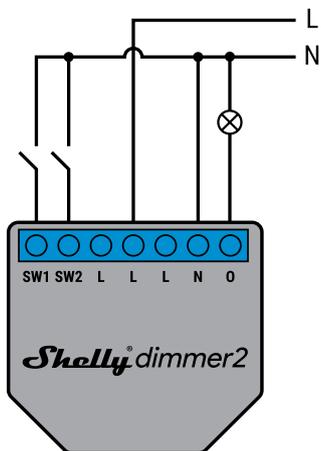
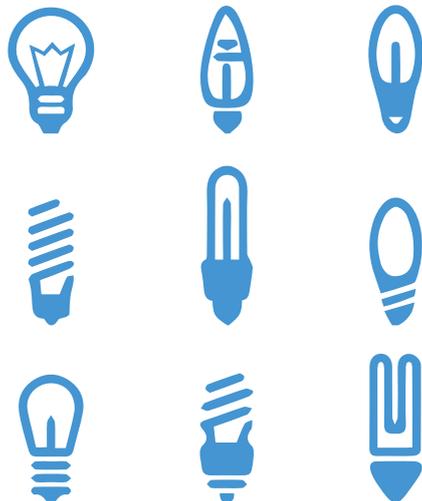
Dimming without a neutral line. We developed Shelly Dimmer 2 to be able to cover all possible electrical installations all over the world. Shelly Dimmer 2 can be used in houses where the neutral line is missing and provide a full set of dimming functionalities.

## TECHNICAL SPECIFICATIONS

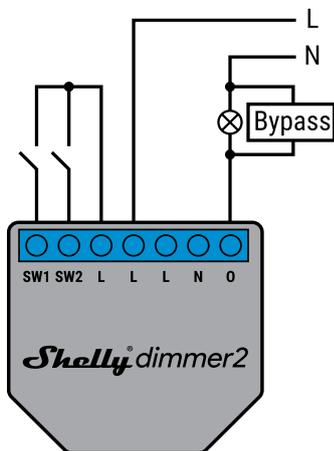
<b>Power Supply</b>	110-230 VAC, 50/60 Hz
<b>Can work without neutral line</b>	Yes
<b>Complies with EU standards</b>	<ul style="list-style-type: none"> <li>• RED 2014/53/EU</li> <li>• LVD 2014/35/EU</li> <li>• EMC 2014/30/EU</li> <li>• RoHS2 2011/65/EU</li> </ul>
<b>Working temperature:</b>	0 to 35°C
<b>Max RF power</b>	13 dBm
<b>Radio protocol</b>	Wi-Fi 802.11 b/g/n
<b>Frequency</b>	2401- 2495 MHz
<b>Operational range (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</b>	43x37x14 mm / 1.69x1.45x0.55 in
<b>Electrical consumption</b>	< 1 W
<b>Wire cross section range</b>	0.5 to 1.5 mm <sup>2</sup> / 20 to 16 AWG

### Use with any bulb you want

Shelly Dimmer 2 can be used with a variety of light bulbs. From halogen and incandescent lights to dimmable LED and resistive - inductive load ferromagnetic transformers.



**Standard wiring with neutral and SW connected to neutral**



**No neutral wiring with no minimum load requirements**

### Legend

#### Device terminals:

- SW1:** Switch 1 input terminal
- SW2:** Switch 2 input terminal
- L:** Live (110-240 VAC) terminals
- N:** Neutral terminal
- O:** Load circuit output terminal

#### Wires:

- L:** Live (110-240 VAC) wire
- N:** Neutral wire

# Shelly<sup>®</sup> RGBW2



## POWER ON



Get a 110–220 VAC to 12-24 VDC

## SHELLY RGBW2



Connect Shelly RGBW2 to the power transformer

## LED STRIPS AND/OR BULBS



Support any 12V or 24 V White, RGB, RGBW led strips and 12/24 V led bulbs, with up to 288 W combined power



### Wireless

No HUB required – Connect Shelly RGBW2 directly to your Wi-Fi at home.



### Weekly Schedules

Choose a time and set your hidden lighting to turn on/off or change color.



### Sunrise/Sunset Schedules

Shelly RGBW will automatically follow the sunrise and sunset and can control your lighting accordingly.



### Color Effects

The 6 unique colorful effects will set the mood for your party or help you relax at home.



### Control Remotely

Control the LED lighting at home, no matter where you are. Now you won't be leaving the lights on and your home won't welcome you in darkness.



### Highly Compatible

Compatible with Android, iOS, Amazon Alexa and Google Assistant.



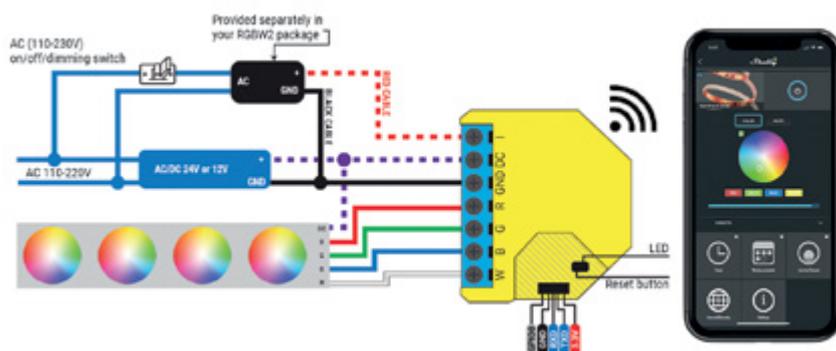
### Support 12V or 24V

With Shelly RGBW2 you can use White, RGB, RGBW led strips and 12/24V led bulbs, with up to 288W combined power.



### ON/OFF and Dimming Function

No more forgotten turned on appliances. The integrated count-down timer can automatically switch off your lights after an hour.



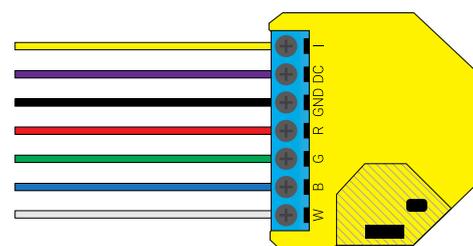
# WI-FI RGBW LED CONTROLLER

Make your LED strips smart without additional investment. **Shelly RGBW2** connects like any LED controller. The main benefit is that you will be able to control your light directly from your mobile phone.

## TECHNICAL SPECIFICATIONS

Interfaces	
<b>Output interface</b>	4 ways PWM: R/G/B/W 3 ways PWM: R/G/B 4 ways PWM: 4x White strips or 4x12/24 V LED bulbs
<b>Interface</b>	Reset button, AC 230 V switch input
<b>AC switch</b>	On/Off and Dimming function
Wi-Fi Parameters and Features	
<b>Wi-Fi work mode</b>	STA/AP/STA+AP/Smart Config
<b>Security Specialty</b>	None, WEP, WPA-PSK, WPA2-PSK (TKIP/AES)
<b>Wi-Fi Standard</b>	IEEE 802.11b/g/n
<b>Wi-Fi Power</b>	802.11b (CCK) 11 Mbps: 20+/-1.5 dBm
	802.11g (OFDM) 54 Mbps: 15.5+/-1.5 dBm
	802.11n(HT20@MCS7) 72.2 Mbps: 14.5+/-1.5 dBm
<b>Frequency</b>	2401- 2495 MHz
<b>Antenna</b>	Embedded
Power Input/output	
<b>DC Power Input</b>	12-24 V
<b>DC Power Output 12V</b>	144 W - combined power; 45 W - per channel
<b>DC Power Output 24V</b>	288 W - combined power; 90 W - per channel
<b>Standby Current</b>	≤50 mA
Work environment	
<b>Working temperature</b>	-20°C to 40°C / -5°F to 105°F
<b>Work humidity</b>	5% to 95% (No condensing)
<b>Wi-Fi Range</b>	Indoor: 35m, Outdoor: 60m (depending on the environment)
<b>Dimensions (HxWxL)</b>	43x38x14 mm / 1.69x1.49x0.55 in
<b>Wire cross section range</b>	0.5 to 1.5 mm <sup>2</sup> / 20 to 16 AWG

- Focus on 8~36 W lamps such as droplight, ceiling lamp, table lamp, down lamp or other
- Support 5 ways PWM, applied to control 5 colors LED(R/G/B/CW/WW),
- Offers mobile phone App, supporting iOS and Android
- Configure network via the mobile App
- Supports local and remote control
- Supports Weekly Schedules
- Supports Sunrise/Sunset time based Schedules
- 6 color effects



### Legend

- AC or DC on/off/dimming switch
- + 12/24 VDC
- - 12/24 VDC
- Red Light
- Green Light
- Blue Light
- White Light

# Shelly<sup>®</sup> EM



## MEASUREMENTS

- ✓ 2x Power(W)
- ✓ 2x Current(A)
- ✓ 2x Energy(Wh)
- ✓ 2x Load quality
- ✓ 1x Voltage(V)



## ADDITIONAL FEATURES

- ✓ 365 days built-in energy history
- ✓ Switch output for contactor control



### Wi-Fi Connected

Shelly EM can connect directly to any Wi-Fi network, no HUB required or can operate as an Access Point.



### Power Supply

Shelly EM is compatible with all major international voltage standards.



### Dual Power Metering

Shelly EM can monitor in real time the energy consumption simultaneously in 2 circuits on the same phase. (up to 120 A each).



### Contactor Control

2A / 230V 50/60Hz. Shelly EM has integrated device output made for contactor control.



### Mobile app control

Turn devices on/off directly from your smartphone or tablet. You can manage Shelly EM output from Shelly app, MQTT or Rest API.



### Overconsumption and Over Energy Protection

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



### Embedded Web Server

Turn on/off Shelly devices directly from its interface without the need of any additional controller or hub, thanks to the embedded web.



### Sunrise/Sunset Schedules

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



### Weekly Schedules

Choose a time and create custom daily schedules for your devices.

# WI-FI-OPERATED ENERGY METER AND CONTACTOR CONTROL

With **Shelly EM** you can measure how much energy your solar system produces.

## TECHNICAL SPECIFICATIONS

<b>Power supply</b>	110-240 VAC, 50/60 Hz
<b>Power metering</b>	Two channels, up to 120 A each
<b>Consumption history</b>	365 days built-in energy history (Wh)
<b>Maximum load</b>	2 A / 240 VAC
<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>	0°C to 40°C / -32°F to 105°F
<b>Max RF power:</b>	13 dBm
<b>Wireless/Wi-Fi Protocol</b>	802.11 b/g/n (2.4 GHz)
<b>Frequency</b>	2401- 2495 MHz
<b>Operational range (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 (HxWxL)</b>	39x36x17 mm / 1.53x1.41x0.66 in
<b>Electrical consumption:</b>	< 1 W
<b>Additional features</b>	<ul style="list-style-type: none"><li>• Overpower shutdown</li><li>• Consumption limit</li></ul>
<b>Wire cross section range</b>	0.5 to 1.5 mm <sup>2</sup> / 20 to 16 AWG



### CONTROL 120 A SAFE AND EASY

Shelly EM has integrated switch output made for contactor control

- **Remote control from anywhere**

You can manage ShellyEM output from Shelly app, MQTT or Rest API

- **Overpower Control**

Automatic shutdown or notification when reaching current consumption limit.

- **Turn off when total consumption is reached**

Automatic shutdown when power is reached.

- **Weekly scheduling by time or sun position**

Auto turn on and off by hour or sunset and sunrise.

# Shelly® 3EM



- ✓ Precise 3-phase energy metering
- ✓ Up to 120 A per phase
- ✓ Integrated 10 A contactor control
- ✓ Solar and Wind power compatible
- ✓ Factory calibrated with over 99% accuracy
- ✓ DIN mountable
- ✓ Wi-Fi enabled
- ✓ Cloud and MQTT Enabled
- ✓ 365 days power consumption history



## Wi-Fi connected

Shelly 3EM can be connected to any Wi-Fi network or can operate as an Access Point.



## Power supply

Each phase of Shelly 3EM must be 110-230 VAC, 50/60Hz.



## Monophase systems

Shelly 3EM can also monitor monophase electrical systems with up to 3 points simultaneously.



## Contactor control

Shelly 3EM has an integrated 10 A switch output for contactor control.



## Mobile app control

Turn Shelly 3EM on/off directly from your smartphone or tablet. You can manage Shelly 3EM's output from the Shelly Smart Control App, MQTT or Rest API.



## Overconsumption and overpower protection

Shelly 3EM can automatically turn off the whole circuit if consumption or energy (pre-paid energy option) reaches the set limit.



## Embedded web server

Turn on/off Shelly 3EM's contactor output directly, without the need of any additional controller or hub.



## Sunrise/sunset schedules

Shelly 3EM can automatically turn on/off the power based on the sunrise/sunset hours.



## Weekly schedules

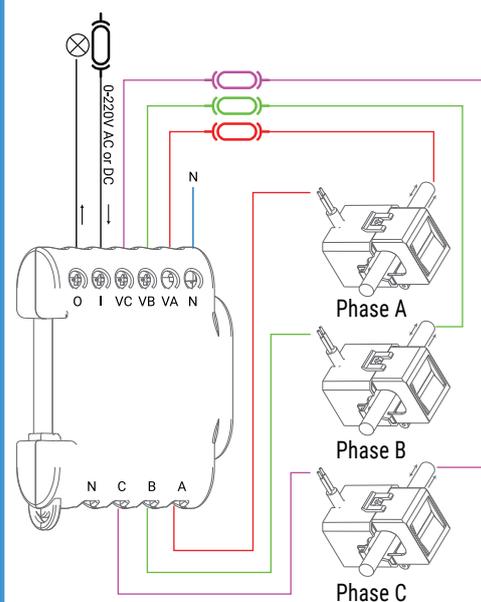
Choose a time and create custom daily schedules for your Shelly 3EM.

# WI-FI-OPERATED 3 PHASE ENERGY METER AND CONTACTOR CONTROL

Shelly 3EM has integrated output which can be used for contactor control.

## TECHNICAL SPECIFICATIONS

<b>Power supply</b>	110-230 VAC, 50/60 Hz
<b>Power metering</b>	3 channels, up to 120 A each
<b>Consumption history</b>	365 days built-in energy history (Wh)
<b>Maximum load</b>	10 A / 240 VAC
<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>	10.28 dBm
<b>Wireless/Wi-Fi Protocol</b>	802.11 b/g/n (2.4 GHz)
<b>Frequency</b>	2401- 2495 MHz
<b>Operational range (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>	73x22x58 mm / 2.87x0.86x2.28 in
<b>Electrical consumption</b>	< 1 W
<b>Additional features</b>	<ul style="list-style-type: none"> <li>• Overpower shutdown</li> <li>• Consumption limit</li> </ul>



# Shelly<sup>®</sup> PLUG



## SHELLY PLUG SAVES YOU ENERGY AND MONEY



## WITH SHELLY PLUG YOU CAN CONTROL ANY DEVICE AT YOUR HOME FROM ANYWHERE



## WITH SHELLY PLUG YOU MAY OPTIMIZE YOUR TIME



### Wi-Fi Connected

Shelly™ Plug can connect to any Wi-Fi network or can operate as an Access Point.



### Power Consumption

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



### Free Cloud

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



### Follow the sunlight

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



### Weekly scheduling

Create custom daily schedules for your devices.



### 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.



### Up To 3500W

With Shelly Plug you can control wide range of devices and appliances.



### Highly compatible

Compatible with Android, iOS, Amazon Alexa and Google Assistant.

# SMART WI-FI-OPERATED PLUG WITH POWER MEASUREMENTS AND 16 A MAX LOAD

**Shelly Plug** automatically monitors and controls lightning, heating and any other connected electrical appliance in your house, no matter where you are. When an electric appliance or a lamp is plugged into the Shelly Plug, you can switch it on and off through the Shelly Cloud mobile application. You can do it anytime and from anywhere.

## TECHNICAL SPECIFICATIONS

<b>Power supply</b>	Input 110-230 VAC, 50/60 Hz
<b>Max load</b>	16 A / 230 V
<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>	15 dBm
<b>Wireless/Wi-Fi Protocol</b>	802.11 b/g/n (2.4 GHz)
<b>Frequency</b>	2401- 2495 MHz
<b>Operational range (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 (HxWxL)</b>	98x56x35 mm / 3.85x2.20x1.37 in
<b>Processor (CPU)</b>	Texas Instruments CC3200
<b>Remote Control</b>	Trough mobile app & web interface
<b>Compatibility</b>	Android (4.2+) & iOS (8+), web browsers
<b>Languages</b>	Multiple trough mobile app & web interface
<b>Electrical consumption</b>	< 1 W

- Control through Wi-Fi from a mobile phone, PC, automation system or any other device supporting HTTP and/or UDP protocol.
- Microprocessor management.
- Controlling elements: 1 switch.
- Shelly may be controlled by the integrated button.

# Shelly<sup>®</sup> button 1



## 1 BUTTON - 4 ACTIONS

No more stressful bright light during dark hours early in the morning. Set your custom schedule and choose soft and low light while it is still dark outside when.

- 1X - Bedroom light On/Off
- 2X - Blinds are closed
- 3X - Turn fan On/Off
- Long push - Turn Off all lights



### No additional controller

Shelly Button 1 uses your home Wi-Fi network, no additional controllers are needed.



### Built-in Battery

Shelly Button 1 has built-in rechargeable battery allowing more than 3000 actions per charge.



### Color hints

A different color response indication for different situations.



### USB charging

You can charge Shelly Button 1 with Micro-B type USB cable.



### Low-battery alarm

You can set Shelly Button 1 to inform you when the battery levels are low.



### Quick response

Response time of less than 2s on battery and 0,1s on USB power.



### Highly compatible

Shelly Button1 is Cloud connected but can also be connected via MQTT, CoAP, REST API.

# CONTROL EVERYTHING WITH JUST A CLICK

We developed Shelly Button to help you easily activate or deactivate any device or scene manually with just a click. Additionally, Shelly Button is so tiny it can be put and carried around anywhere. The button is battery-powered, and you can put it in your bag, laptop case, or even in your pocket and use it whenever and wherever you need it.

## TECHNICAL SPECIFICATIONS

<b>Power Supply</b>	Two 3 VDC - CR123A Batteries or micro USB 5 V
<b>Battery Lifespan</b>	3000 actions per charge
<b>Complex scenes control</b>	Activate or deactivate synchronized actions of several Shelly devices
<b>Dimming</b>	Yes
<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>	0°C to 40°C / 32°F to 105°F
<b>Max RF power</b>	10.62 dBm
<b>Radio protocol</b>	Wi-Fi 802.11 b/g/n
<b>Frequency</b>	2401- 2495 MHz
<b>Operational range (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</b>	45x45x16 mm / 1.77x1.77x0.62 in

## SMALL AND MOBILE

Thanks to its small size, Shelly Button 1 can fit in every pocket!



# Shelly Motion2



## COMPATIBLE WITH OTHER DEVICES

Shelly Motion2 can trigger other smart devices in your home network and customize the actions based on hour, light, or various actions.



## LIGHTING CONTROL

Combine Shelly lighting control devices with Shelly Motion2 and set the sensor to turn on the lights the moment you enter the room.



## SMART SCHEDULING

Don't wake up your family during your night-time snack! Set Shelly Motion2 smart scheduling option to turn on the lights very dimly at late hours. That way it will not irritate your eyes or wake your loved ones.



### Wi-Fi operated

Connect Shelly Motion2 to your Wi-Fi network. No HUB required!



### Over 1 year battery life

Count on long-lasting 6500 mAh rechargeable battery.



### Real time response

Response in less than 200 ms and immediate action trigger to another device.



### Light Sensor Included

Shelly Motion2 is enhanced with a light sensor for dynamic adjustment of the brightness levels.



### Temperature Sensor Included

Shelly Motion2 has a temperature sensor.



### Powerful CPU

Equipped with the lowest power consuming Wi-Fi modem in mass production in the world.



### Adjustable sensitivity

256 levels of sensitivity allow adjustment of the distance and the movement to which the sensor reacts.

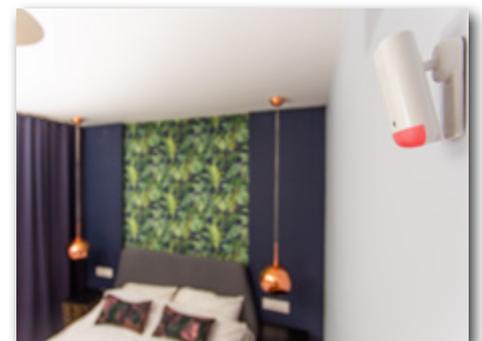


### Tamper detection

Tamper detection and 128 levels of vibration sensitivity will notify you about the slightest vibration.

## CUSTOM ACTIONS

Create the perfect morning routine! Shelly Motion2 can trigger other smart devices in your home network and customize the actions based on your needs. The moment you wake up, Shelly Motion2 will trigger the automated blinds in your bedroom to open, allowing you to welcome the morning sunshine!



# WI-FI MOTION SENSOR WITH OVER 1 YEAR OF BATTERY LIFE AND LIGHT & TEMPERATURE SENSORS

A new generation Motion Sensor powered by Silicon Labs Wi-Fi IoT solutions, **Shelly Motion2** is equipped with the lowest power-consuming Wi-Fi modem in mass production in the world and enhanced with a light and a temperature sensor for an even more efficient home automation.

## TECHNICAL SPECIFICATIONS

<b>Battery</b>	6500 mAh 3.7 V
<b>Battery life</b>	12 - 36 months
<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>	0°C to 40°C / 32°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>	2401- 2495 MHz
<b>Operational range (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 (HxWxL)</b>	<ul style="list-style-type: none"> <li>• 89.3x41.4x22.9 mm / 3.52x1.63x0.90 in (without stand)</li> <li>• 89.3x41.4x47.9 mm / 3.52x1.63x1.89 in (with stand)</li> </ul>
<b>Remote Control</b>	Through mobile app & web interface
<b>Compatibility</b>	Android (4.2+) & iOS (8+), web browsers
<b>Languages</b>	Multiple through mobile app & web interface



## ENERGY EFFICIENT LIGHTS

When you leave for work in the morning, Shelly Motion2 will ensure that all lights switch off once the house is empty and no motion is detected, ensuring that no energy will go to waste!

## 256 LEVELS OF SENSITIVITY

256 levels of sensitivity will allow you to adjust extremely precisely the distance and the movement to which the sensor reacts.

Easily adjust Shelly Motion2's sensitivity levels through the app wherever you are.



## NO HUB REQUIRED

Shelly Motion2 can be controlled directly and without a hub through your smartphone. This way you can monitor and control your home, set scenes, and adjust settings wherever you are!



# Shelly<sup>®</sup> H&T



## MONITOR HUMIDITY IN YOUR HOME



## MONITOR THE TEMPERATURE OF YOUR HEATER OR AIR CONDITIONER.



## MONITOR THE TEMPERATURE IN YOUR FRIDGE OR COOLER



### Humidity

Monitor excessive changes in humidity. Avoid dryness and conditions for mold growth.



### Temperature

Be aware of temperature fluctuations and keep your home comfortable at any time.



### Battery

Battery life up to 18 months. Feel more comfortable with the long-lasting battery life.



### USB Add-on

You can power Shelly H&T with a USB instead of a battery using the USB power supply Add-on for Shelly H&T (sold separately, see in Accessories).



### Easy control

The only thing you need to manage all your Shelly H&T devices is a mobile phone and the free Shelly Smart Control Application.



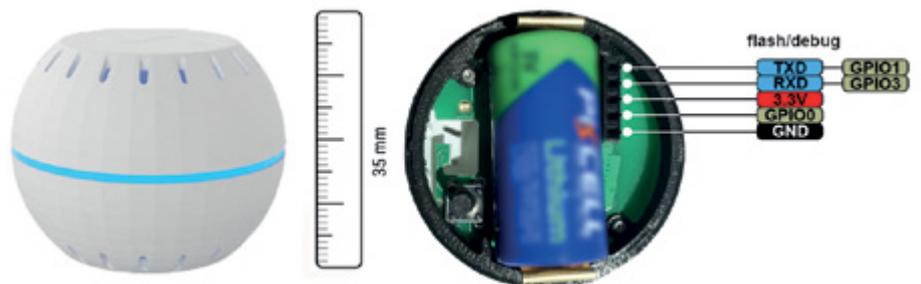
### Wi-Fi

Connect Shelly H&T directly to your Wi-Fi.



### Free history on Cloud

With Shelly H&T you can see recorded data for humidity and temperature for up to a year.



# WI-FI HUMIDITY & TEMPERATURE SENSOR

Shelly H&T is the world's first Wi-Fi Humidity & Temperature sensor working over 1 year on battery

## TECHNICAL SPECIFICATIONS

<b>Battery</b>	CR123A – 3 V ( <b>NOT</b> included)
<b>Battery life</b>	Up to 18 months
<b>Electrical consumption:</b>	<ul style="list-style-type: none"><li>• Static <math>\leq 70 \mu\text{A}</math></li><li>• Awake <math>\leq 250 \text{ mA}</math></li></ul>
<b>Humidity measurement range:</b>	0~100% ( $\pm 5\%$ )
<b>Measurement accuracy</b>	$\pm 1^\circ\text{C}$
<b>Working temperature</b>	$-10^\circ\text{C}$ to $50^\circ\text{C}$
<b>Max RF power</b>	9,87 dBm
<b>Wireless/Wi-Fi Protocol</b>	802.11 b/g/n (2.4 GHz)
<b>Frequency</b>	2401- 2495 MHz
<b>Operational range (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 (HxWxL)</b>	35x46x46 mm / 1.38x1.81x1.81 in
<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>

- With Shelly H&T you can **optimize power consumption** for heating and cooling your home. Do not spend extra money on power consumption if you are not at home.
- **Humidity control** is very important for your health. Keep it at its optimal levels with Shelly H&T.
- Be informed **anytime, anywhere** about everything in your home and control it just with one app without any additional equipment.

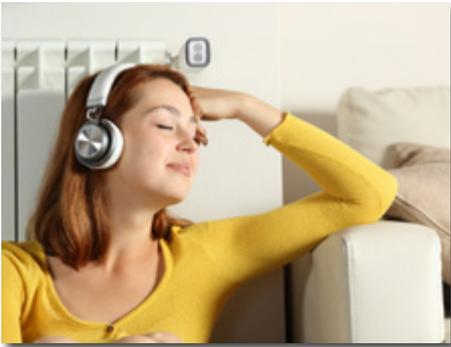


# Shelly TRV



## 2 YEARS BATTERY LIFE

Shelly TRV has 6500 mAh rechargeable battery with up to 2 years of battery life, based on 5 months heating season.



## SMART PROFILES FOR ENHANCED ENERGY EFFICIENCY

Shelly TRV supports 5 profiles with 6 temperature points to each of them. You can set custom settings and control separately each profile to ensure efficient heating usage.

## SMART SCHEDULING

Ensure the efficiency of your heating system by setting Shelly TRV to maintain different levels of heating according to the hour of the day. Customers can set lower levels of heating during working hours of the day.



### Wi-Fi operated

Connect Shelly TRV to your Wi-Fi network. No HUB required



### Long Battery Life

Up to 2 years of battery life, based on 5 months heating season.



### Rechargeable battery

Shelly TRV is equipped with fully rechargeable battery.



### Precise temperature measurement

Stay informed about the temperature of your radiators no matter where you are.



### Wide range of temperature control

Set your room temperature in the range of 5°C to 30°C. (41°F to 86°F)



### Quick Profiles

Set profiles and quickly switch between pre-defined settings and schedules.



### Custom schedules and scenes

Set schedules and custom scenes based on your agenda and by combining Shelly TRV with other Shelly devices.



### External temperature sensor support

Connect an external Wi-Fi sensor for precise temperature measurement.



### Control your boiler or pump

Control your boiler/pump automatically to save energy.



### No hub required

Control directly and without a hub through your smartphone with Shelly Smart Control App.



### Highly compatible

Use with your preferred home automation platforms and voice assistants.

# INTELLIGENT THERMOSTATIC RADIATOR VALVE FOR HIGHLY EFFICIENT HEATING MANAGEMENT

**Shelly TRV** replaces the old thermostatic valve in less than 5 minutes. It is enhanced with a rechargeable battery with 2 years of battery life. Shelly TRV supports 5 profiles with 6 temperature points to each of them and can activate custom scenes based on hour, light, or various actions.

## TECHNICAL SPECIFICATIONS

<b>Power supply</b>	Built-in rechargeable battery. USB Type-C charging port (charger not included).
<b>Battery life</b>	Up to 2 years of battery life, based on 5 months heating season
<b>Battery type</b>	3.6 V, 6500 mAh, NCR18650BD Panasonic rechargeable battery
<b>Power consumption</b>	< 500 mA
<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>	0°C to 30°C / 32°F to 86°F
<b>Temperature control range</b>	5°C to 30°C / 41°F to 86°F
<b>Max RF power</b>	15 dBm
<b>Wireless/Wi-Fi Protocol</b>	802.11 b/g/n (2.4 GHz)
<b>Frequency:</b>	2401- 2495 MHz
<b>Operational range (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 (HxWxL)</b>	94x62x53 mm / 3.7x2.44x2.08 in

## INSTALLATION IN 4 EASY STEPS

1) Remove your existing thermostatic valve of your radiator.



2) If needed, use one of adaptors included in the package.



3) Mount Shelly TRV on the radiator.



4) Connect Shelly TRV to your home Wi-Fi network and operate it through Shelly Smart Control Application.



# Shelly® flood



## INSTANT NOTIFICATIONS



## DETECTS LEAKAGE

Place Shelly Flood anywhere you think there is a chance for leaks and get instant notification if water is detected.



## USE YOUR FLOOR HEATING, ONLY WHEN YOU NEED IT

Shelly Flood informs you about the temperature fluctuations and help you set the right temperature for your floor heating.



### Flood detection alarm

You will receive a notification if any fluid is detected by Shelly Flood.



### Temperature

Be aware of temperature fluctuations and keep your floor heating at the desired temperature.



### Battery

Feel comfortable with the up to 18 month battery life.



### Easy control

The only thing you need to manage your Shelly Flood, is a mobile phone and the free Shelly Smart Control Application.



### Wi-Fi

Connect Shelly Flood directly to your Wi-Fi.



### Free history on Cloud

With Shelly Flood you can see recorded data for temperature up to a year.



# FLOOD SENSOR WITH TEMPERATURE MEASUREMENT

With **Shelly Flood**, you can monitor the temperature of your home and receive instant notification if any liquid leakage is detected in your home

## TECHNICAL SPECIFICATIONS

<b>Battery</b>	CR123A – 3V ( <b>NOT</b> included)
<b>Battery life</b>	Up to 18 months
<b>Electrical consumption</b>	<ul style="list-style-type: none"><li>• Static <math>\leq 5 \mu\text{A}</math></li><li>• Awake <math>\leq 100 \text{ mA}</math></li><li>• Alarm <math>\leq 120 \text{ mA}</math></li></ul>
<b>Measurement accuracy</b>	$\pm 1^\circ\text{C} / \pm 1.8^\circ\text{F}$
<b>Working temperature</b>	$-40^\circ\text{C}$ to $60^\circ\text{C}$ / $-40^\circ\text{F}$ to $140^\circ\text{F}$
<b>Max RF power</b>	10 dBm
<b>Wireless/Wi-Fi Protocol</b>	802.11 b/g/n (2.4 GHz)
<b>Frequency</b>	2401- 2495 MHz
<b>Operational range (depending on local conditions)</b>	<ul style="list-style-type: none"><li>• up to 30 m / 100 ft outdoors</li><li>• up to 10 m / 33 ft indoors</li></ul>
<b>Dimensions (HxWxL)</b>	70x70x19 mm / 2.75x2.75x0.74 in
<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>

## EASY INSTALATION

### 3 easy steps

1. Download the Shelly Smart Control Application on your smartphone or tablet
2. Connect Shelly Flood sensor to your Wi-Fi router
3. Place the devise where there is even the slightest chance of leakage.



# Shelly<sup>®</sup> Door/Window2



## LIGHTING FAST RESPONSE

For at least 1.5 seconds the sensor will send local request to another Shelly device or over MQTT. Response time depends on the local Wi-Fi network. Signal strength, fixed IP address and fast router maintain fast association.



## BATTERY LIFE

More than 12 000 wake-up and 18 months of battery life. The very low power CPU combined with 2x CR123A battery allow more than 2-year battery life thus making the Shelly Door/Window the device with longest battery life.



### No additional controller

Shelly Door/Window sensor uses your home Wi-Fi network, no additional controllers are needed.



### Open-close sensor

Shelly Door/Window detects and reports the opening and closing of doors and windows.



### Temperature sensor

Be aware of temperature fluctuations and keep your home comfortable at any time.



### Wire free

Simply place it at your door or window.



### Free Cloud

All you need to manage your Shelly Door/Window sensor is a smartphone and the Shelly Cloud free mobile application.



### Battery life up to 2 years

Feel more comfortable with the long-lasting battery life.

# A DOOR AND WINDOW SENSOR WITH LUX MEASUREMENT AND FAST RESPONSE

Shelly Door/Window 2 is designed to detect and report the opening and closing of doors and windows. Its compact and improved design allows it to be easily installed on any door or window, and because of its lightweight, the sensor is nearly invisible.

## TECHNICAL SPECIFICATIONS

<b>Power Supply</b>	Two 3 VDC - CR123A non-rechargeable
<b>Battery Lifespan</b>	up to 18 months
<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>	-10 to 50°C
<b>Max RF power</b>	12.71 dBm
<b>Radio protocol</b>	Wi-Fi 802.11 b/g/n
<b>Frequency</b>	2401- 2495 MHz
<b>Operational range (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</b>	Sensor 82x23x20mm / 3.22x0.90x0.78 in Magnet 52x16x13mm / 2.04x0.62x0.51
<b>Electrical consumption</b>	Static current: ≤10 µA Alarm current: ≤60 mA

### Easy set up:

1. Attach Shelly Door/Window2 sensor to any door or window frame. The two parts of the sensor need to be close to one another.
2. Download the Shelly Smart Control Application on your smartphone or tablet.
3. Connect Shelly Door/Window2 to your Wi-Fi router
4. Add Shelly Door/Window2 to Shelly Cloud.



**Door/window is opened**



**230LUX is detected**



**Light ON**

via REST HTTP/MQTT/CoAP/Cloud

# Shelly<sup>®</sup> GAS



## LPG AND CNG VERSION

Shelly Gas comes in two versions - with LPG (Liquefied Petroleum Gas) or CNG (Compressed Natural Gas) detection. Shelly GAS supports interchangeable plug extensions in order to be compatible with different power socket standards.



## INTERCHANGEABLE PLUG

Shelly GAS supports interchangeable plug extensions in order to be compatible with different power socket standards.



## PROTECT YOUR HOME

Thanks to its high sensitivity, Shelly Gas will immediately detect gas leakage and release light and sound alarms, as well as will send notification to your phone in case you are away of home.



### No additional controller

Shelly GAS sensor uses your home Wi-Fi network, no additional controllers are needed.



### Gas sensor

A smart gas sensor that can detect LPG or CNG and monitor your household's safety.



### Flame resistant

With a flame resistant shell, Shelly GAS will be always there for you.



### Wire free

Simply plug it to your power socket.



### Free Cloud

All you need to manage your Shelly GAS sensor is a smartphone and the Shelly Cloud free mobile application.



### GAS concentration

Low: 1800 ppm; High: 3000 ppm

# SMART WI-FI GAS DETECTOR FOR LPG OR CNG

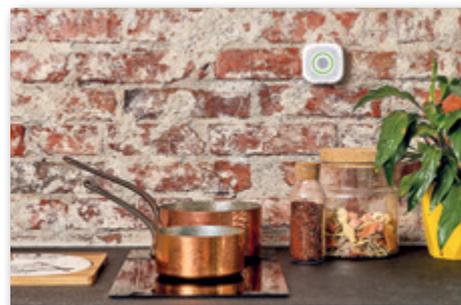
Many home appliances are dependent on natural gas, but not many homes have sensory detection for gas leaks, which can be dangerous. Shelly GAS can detect Natural Gas or Liquefied petroleum gas helping you provide additional protection for your home and family. Its long life span, little sensitivity drift, and Wi-Fi technology allow you always to know if gas is threatening your home.

## TECHNICAL SPECIFICATIONS

<b>Power Supply</b>	110-230 VAC $\pm$ 10%, 50/60Hz
<b>Alarm indicator</b>	LED Flash & Sound
<b>Alarm sensitivity</b>	6% LEL
<b>Valve manipulator jack output</b>	11-13 V, 500 mA
<b>Sound level</b>	$\geq$ 70 dB
<b>Gas detector</b>	LPG or CNG
<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>	-10°C to 50°C / 14°F to 122°F
<b>Max RF power</b>	16.28 dBm
<b>Radio protocol</b>	Wi-Fi 802.11 b/g/n
<b>Frequency</b>	2401- 2495 MHz
<b>Operational range (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</b>	89,5x89,5x38 mm / 3.52x3.52x1.49 in (plug not included)
<b>Electrical consumption</b>	< 3 W

## SMART SCENES

Shelly GAS can be placed almost anywhere - in the kitchen, in your bathroom, etc. Just put the device anywhere you think there is even a slight chance for gas leakage, and create your scenes for when gas is detected - windows can be opened, doors unlocked, or lights turned on.



# Shelly<sup>®</sup> DUO



## COLOR TEMPERATURE GUIDE

2700K



3500K



4500K



6000K



6500K



### Wi-Fi Connected

No HUB required – Connect Shelly Bulb directly to your Wi-Fi at home and dim it.



### Energy Efficient

Reduce energy usage without brightness or quality loss.



### Easy Control

The only thing you need to manage all your Shelly Bulbs is a mobile phone and the free Shelly Smart Control Application.



### Dimmable light

Enjoy dimmable light by fine-tuning your brightness.



### Set Schedules

Shelly Bulb can wake you up and help you energize, read, concentrate and relax.



### Highly Compatible

Compatible with Android, iOS, Amazon Alexa and Google Assistant.



### Follow the Sunlight

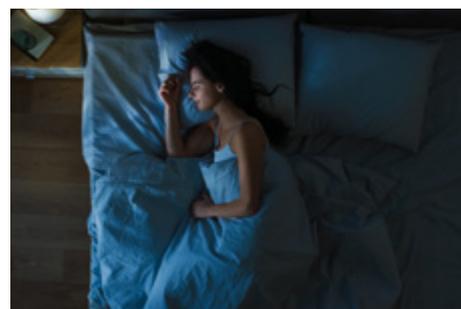
Shelly Bulb can automatically turn on/off based on the sunrise and sunset hours.

# SMART DIMMABLE BULB

**Shelly Duo** - Wi-Fi on board, Cloud and MQTT enabled, dimmable, voice control, smart Wake-up and Night mode. Automatically follow the sun and control your light accordingly. You can set your Shelly Duo bulbs directly from your phone and have them turn on/off based on the sunrise and sunset hours. Set Wake-up or Night mode with soft, dimmed light and the right color temperature.

## TECHNICAL SPECIFICATIONS

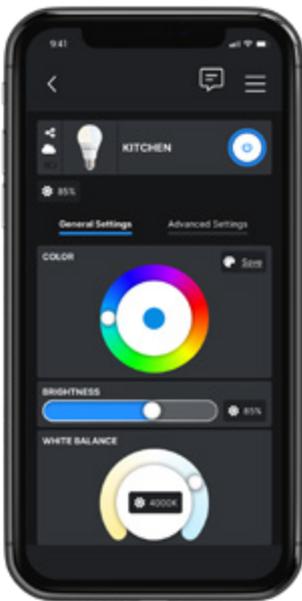
	Shelly DUO	Shelly DUO GU10
<b>Power supply</b>	210-230 VAC, 50/60 Hz	
<b>Socket</b>	E27	GU10
<b>Power Rating</b>	9 W	5 W
<b>Brightness</b>	Warm White: 475 lm	Warm White: 475 lm
<b>Color Temperature</b>	2700 K - 6500 K	2700 K - 6500 K
<b>Working temperature</b>	-10°C to +40°C / 14°F to + 105°F	-10°C to +40°C / 14°F to + 105°F
<b>Beam Angle</b>	180°	120°
<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>Max RF power</b>	15 dBm	
<b>Radio protocol</b>	Wi-Fi 802.11 b/g/n	
<b>Frequency</b>	2401- 2495 MHz	
<b>Operational range (depending on local construction)</b>	<ul style="list-style-type: none"> <li>• up to 15 m /49 ft outdoors</li> <li>• up to 8 m / 26 ft indoors</li> </ul>	
<b>Dimensions</b>	60x122 mm / 2.36x4.08 in	50x73 mm / 1.96x2.87 in
<b>Electrical consumption</b>	< 1 W	



# Shelly DUO RGBW



## 16 MILLION COLORS



## WARM AND COLD LIGHT



### Wi-Fi operated

Connect Shelly Bulb to your Wi-Fi at home.



### Energy efficient

Reduce energy usage without brightness or quality loss.



### 16 million colors

Set the mood by choosing between 16 million colors.



### Light temperature control

Easily set the desired light temperature.



### Control remotely

Turn Shelly Bulb RGBW ON/OFF directly from your smartphone or tablet, and manage them easily no matter where you are.



### Weekly Schedules

Easily create custom daily schedules and smart timers.



### Sunrise/Sunset

Set Shelly Bulb RGBW to automatically turn ON/OFF based on sunrise and sunset hours.



### No hub required

Control directly and without a hub through your smartphone with Shelly Smart Control App.



### Highly compatible

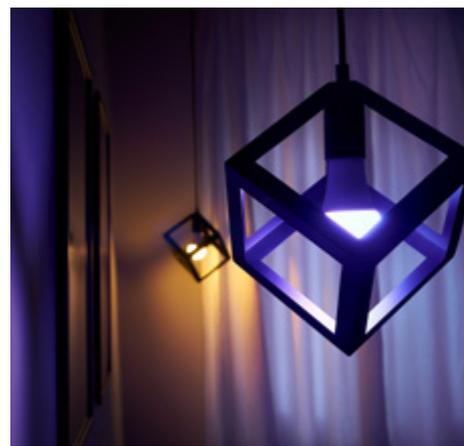
Use with your preferred home automation platforms and voice assistants.

# SMART RGBW BULB WITH 16 MILLION COLORS

**Shelly Bulb RGBW** allows customers to control and adjust the brightness and the color of their light, choosing between 16 million colors. Shelly Bulb RGBW connects directly to the Wi-Fi at home and allows setting custom schedules, smart scenarios and Sunrise/Sunset actions.

## TECHNICAL SPECIFICATIONS

	Shelly DUO	Shelly DUO GU10
<b>Power supply</b>	110-230 VAC ±10%, 50/60 Hz	
<b>Socket</b>	E27	GU10
<b>Power Rating</b>	9 W	5 W
<b>Brightness</b>	Warm White: 475 lm	Warm White: 475 lm
<b>Color Temperature</b>	3000 K - 6500 K	3000 K - 6500 K
<b>Working temperature</b>	-10°C to 40°C / 14°F to 105°F	
<b>Beam Angle</b>	180°	120°
<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>Max RF power</b>	15 dBm	
<b>Radio protocol</b>	Wi-Fi 802.11 b/g/n	
<b>Frequency</b>	2401- 2495 MHz	
<b>Operational range (depending on local construction)</b>	<ul style="list-style-type: none"> <li>• up to 15 m / 49 ft outdoors</li> <li>• up to 8 m / 26 ft indoors</li> </ul>	
<b>Dimensions</b>	60x122 mm / 2.36x4.08 in	50x73 mm / 1.96x2.87 in
<b>Electrical consumption</b>	< 1 W	



# Shelly® Vintage



A60 MODEL



ST64 MODEL



G125 MODEL



#### Wi-Fi Connected

No HUB required – Connect Shelly Bulb directly to your Wi-Fi at home and choice of 16 million colors.



#### Energy Efficient

Reduce energy usage without brightness or quality loss.



#### Easy Control

The only thing you need to manage all your Shelly Bulbs is a mobile phone and the free Shelly Smart Control Application.



#### Dimmable light

Enjoy dimmable light by fine-tuning your brightness.



#### Set Schedules

Shelly Bulb can wake you up and help you energize, read, concentrate and relax.



#### Highly Compatible

Compatible with Android, iOS, Amazon Alexa and Google Assistant.



#### Follow the Sunlight

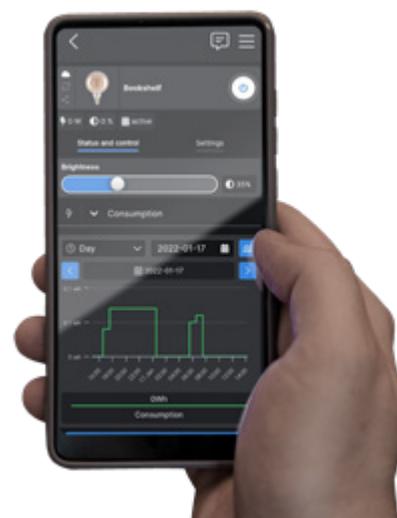
Shelly Bulb can automatically turn on/off based on the sunrise and sunset hours.

# SMART DIMMABLE VINTAGE BULB

**Shelly Vintage** - Wi-Fi on board, Cloud and MQTT enabled, dimmable, voice control, smart Wake-up and Night mode. The smart vintage bulbs with spectacular design! Automatically follow the sun and set your light accordingly. You can control your Shelly Vintage bulbs directly from your phone and have them turn on/off based on the sunrise and sunset hours. Set Wake-up or Night mode with soft, dimmed light.

## TECHNICAL SPECIFICATIONS

<b>Type</b>	A60	ST64	G126
<b>Power supply</b>	7 W		4 W
<b>Socket</b>	E27		
<b>Power Rating</b>	PF > 0.5		
<b>Brightness</b>	750 lm	260 lm	
<b>Color Temperature</b>	2700 K		
<b>Working temperature</b>	-10°C to +40°C / 14°F to + 105°F		
<b>Beam Angle</b>	360°		
<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>Max RF power</b>	15 dBm		
<b>Radio protocol</b>	Wi-Fi 802.11 b/g/n		
<b>Frequency</b>	2401- 2495 MHz		
<b>Operational range (depending on local construction)</b>	up to 15 m / 49 ft outdoors up to 8 m / 26 ft indoors		
<b>Dimensions</b>	60x115 mm / 2.36x4.52 in	64x160 mm / 2.51x6.29 in	125x155 mm / 4.92x6.10 in
<b>Electrical consumption</b>	< 1 W		



### QUICK AND EASY SET UP:

1. Screw in your Shelly Vintage Bulb in the light socket.
2. Download the Shelly Smart Control Application on your smartphone or tablet.
3. Connect Shelly Vintage bulb to your Wi-Fi router
4. Add Shelly Vintage bulb to Shelly Cloud and browse through the many possible settings.



# ACCESSORIES FOR SHELLY PRODUCTS

With these accessories you can improve your experience with Shelly products.

## Shelly Button

Safe way to use Shelly 1, Shelly 1PM and Shelly Dimmer out of the wall. You can make any table light, fan or heater smart.

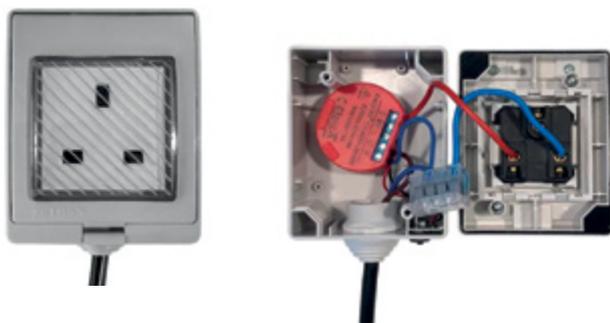


## Shelly H&T power adapter

You can power your Shelly H&T with USB instead of battery.



## Outdoor IP55 AddOn - UK



## Split core current transformer

Used together with Shelly EM or Shelly 3EM for energy metering.



## Shelly GAS addon manipulator



## Shelly Plus Add-On

Add-on for Shelly Plus devices. Can be used with up to five DS18B20 sensors or one DHT22 sensor.

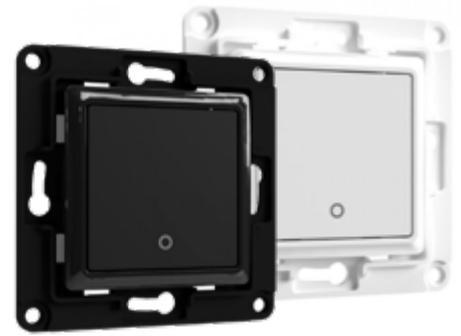


## Bypass



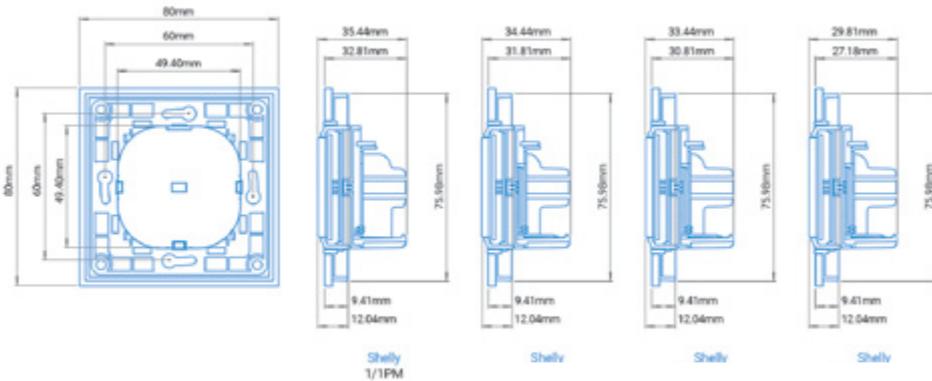
# WALL SWITCH FOR SMART DEVICE

Designed to facilitate your specific automation needs and developed with the smallest details in mind, you can now create a custom wall switch for your Shelly device, and save on space and money!



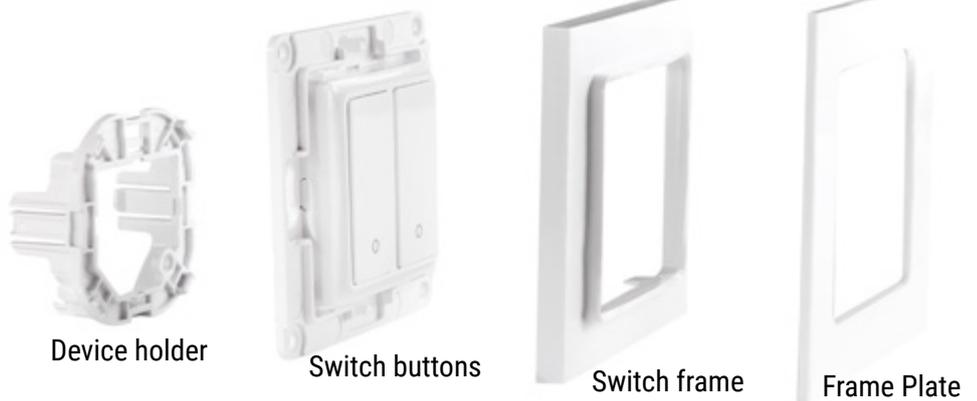
## FITS INTO THE TINIEST SPACES!

Compact dimensions and simple wiring that can fit into any existing switch console or even the tiniest spaces.

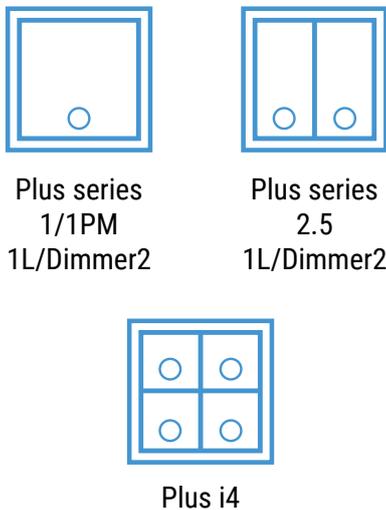


## HIGHLY CUSTOMIZABLE!

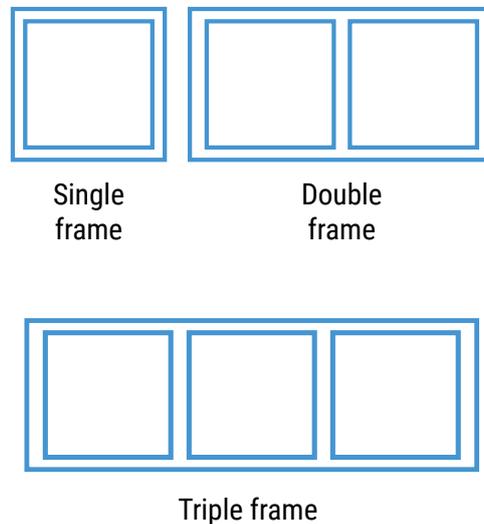
Each Shelly Wall Switch for Smart device comes with corresponding holders. You can choose the device holder that you need to fulfill your automation project.



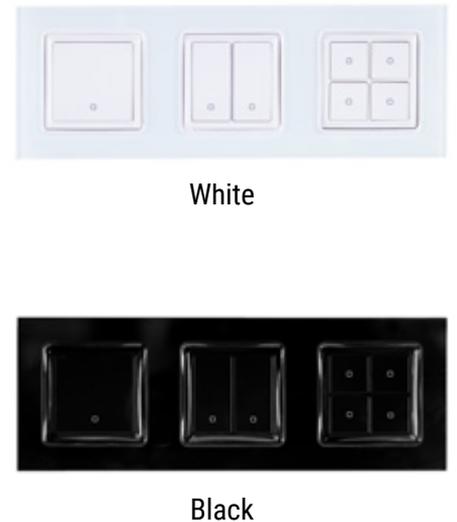
## AVAILABLE SWITCHES\*:



## AVAILABLE FRAMES\*:



## AVAILABLE COLORS:



\*Shelly Wall switches and Shelly Wall frames are sold separately!

