PRODUCT CATALOGUE

Shelly

SMART AUTOMATION SYSTEMS

TABLE OF CONTENTS

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 solutions for every home and office!

SHELLY APP
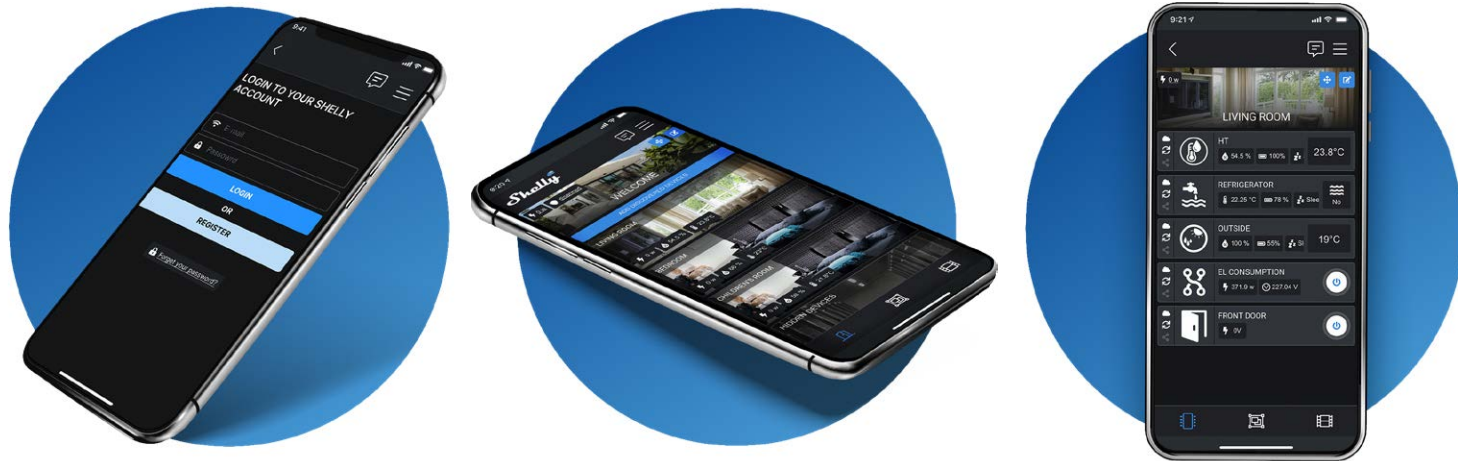
CONTROL YOUR HOME AND OFFICE WHEREVER YOU ARE! NO HUB REQURED!

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 mange 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
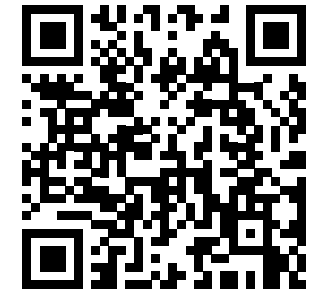
SHELLY CLOUD SERVICES

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.

NEXT GENERATION HOME AUTOMATION AND CONTROL

Shelly PLUS

Shelly smart relays 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 Cloud App. Shelly Plus line supports TLS encryption and has an improved shell for standardized support for external sensor plugs.

Extremely fast processor

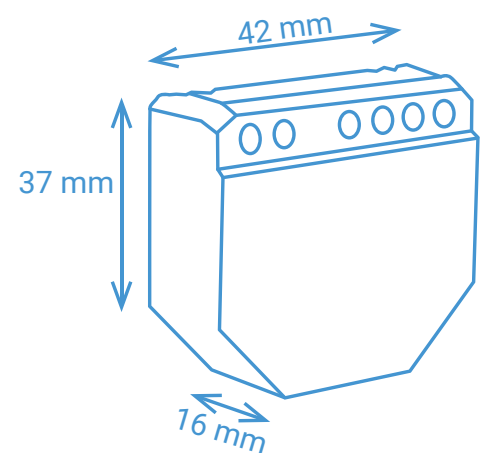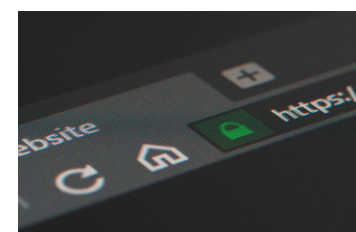Bluetooth connectivity

Improved integration

Enhanced safety

Scripting

Improved 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.

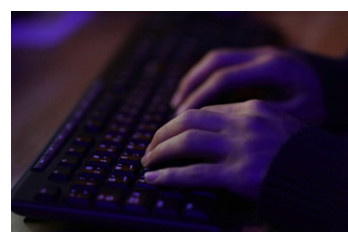## IMPROVED AND COMPACT SHELL

42 mm

37 mm

16 mm

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.
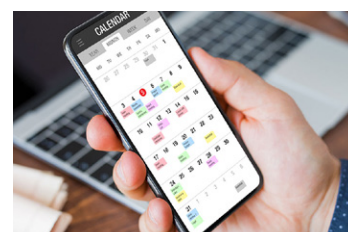
ENHANCED SAFETY & SECURITY

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

HTTP/HTTPS webhooks
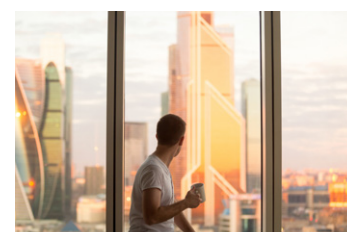Get notifications or control another compatible equipment or 3rd party automation system.

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.
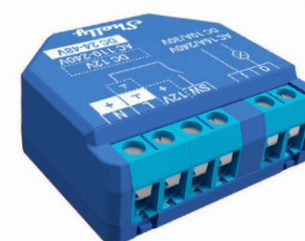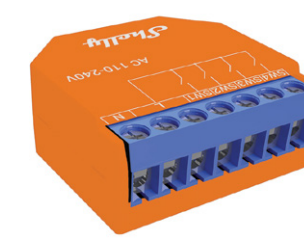
SHELLY PLUS LINE

SHELLY PLUS 1

SHELLY PLUS 1PM

SHELLY PLUS 2PM

SHELLY PLUS i4

Shelly PLUS 1

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.

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 12V DC and 24-48V DC.

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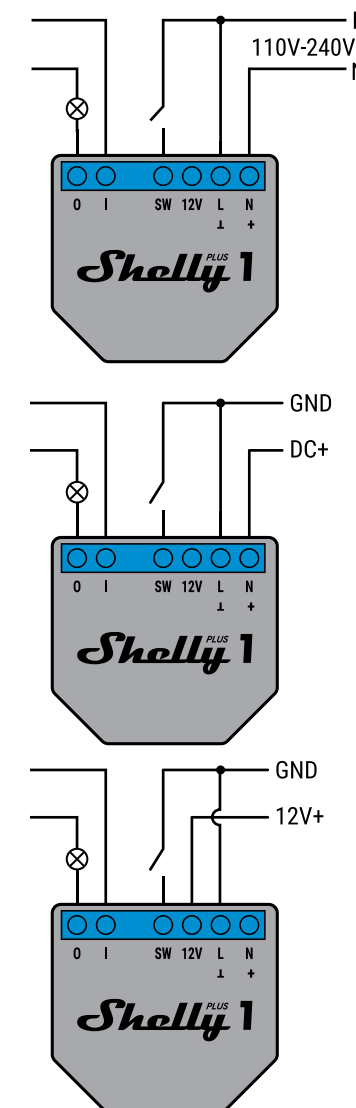Control directly without a hub through your smartphone with Shelly Cloud App.

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

TECHNICAL SPECIFICATIONS

Power supply	• 110-240 VAC, 50/60 Hz • 24-48 VDC • 12 VDC
Max load	16 A
Complies with EU standards:	• RE Directive 2014/53/EU • LVD 2014/35/EU • EMC 2014/30/EU • RoHS2 2011/65/EU
Working temperature	-20°C ÷ 40°C
Max RF output power	13.45 dBm
Wireless/Wi-Fi Protocol	802.11 b/g/n (2.4 GHz)
Frequency:	2412 - 2472 MHz
Operational range (depending on local conditions)	• up to 50 m outdoors • up to 30 m indoors
Dimensions (HxWxL)	42x37x16 mm
Electrical consumption	< 1.2 W
Wire cross section range	0.5 ÷ 1.5 mm²

Legend
Terminals:
N: Neutral terminal
L: Live (110-240 V) terminal
O: Relay output terminal
I: Relay 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 *PLUS* 1PM

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.

TRACK THE POWER CONCUMPTION
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 Cloud 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
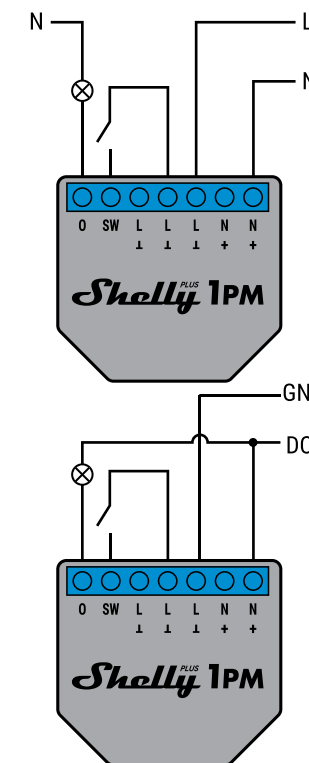Control directly without a hub through your smartphone with Shelly Cloud App

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

TECHNICAL SPECIFICATIONS

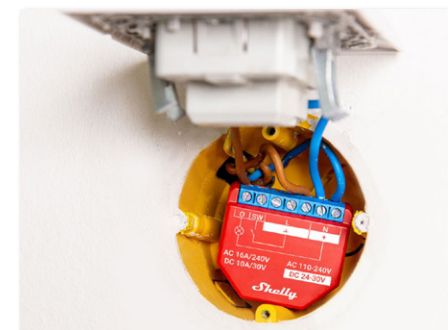|	
Power supply	• 110-240 VAC, 50/60 Hz • 24-30 VDC
Max load	16 A
Complies with EU standards:	• RE Directive 2014/53/EU • LVD 2014/35/EU • EMC 2014/30/EU • RoHS2 2011/65/EU
Working temperature	-20°C ÷ 40°C
Max RF output power	13.38 dBm
Wireless/Wi-Fi Protocol	802.11 b/g/n (2.4 GHz)
Frequency:	2412 - 2472 MHz
Operational range (depending on local conditions)	• up to 50 m outdoors • up to 30 m indoors
Dimensions (HxWxL)	42x37x16 mm
Electrical consumption	< 1.2 W
Wire cross section range	0.5 ÷ 1.5 mm²

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

NEXT GENERATION 2-CHANNEL RELAY 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.

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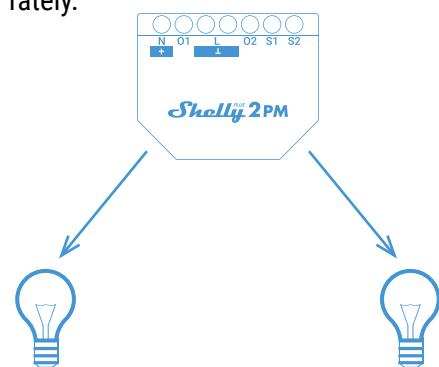
AWNING THAT FOLLOWS THE FORECAST
Set Shelly Plus 2PM to close your garden awning in case of a strong wind to prevent it from breaking.

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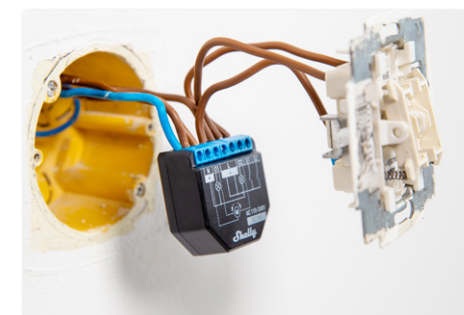
Highly compatible
Use with your preferred home automation platforms and voice assistants.

TECHNICAL SPECIFICATIONS

Power supply	• 110-240 VAC, 50/60Hz • 24 VDC ±10%,
Max load per channel	10 A
Max. device load	16 A
Complies with EU standards:	• RE Directive 2014/53/EU • LVD 2014/35/EU • EMC 2014/30/EU • RoHS2 2011/65/EU
Working temperature	-20°C ÷ 40°C
Max RF output power	20 dBm
Wireless/Wi-Fi Protocol	802.11 b/g/n (2.4 GHz)
Frequency:	2412 - 2472 MHz
Operational range (depending on local conditions)	• up to 50 m outdoors • up to 30 m indoors
Dimensions (HxWxL)	42x37x16 mm
Electrical consumption	< 1,4 W
Wire cross section range	0.5 ÷ 1.5 mm²

USE SHELLY PLUS 2PM TO AUTOMATE:

√ Blinds
√ Roller Shutters
√ Curtains
√ Awnings
√ Garage Doors
√ Lights
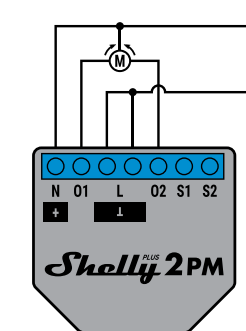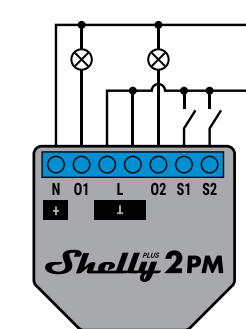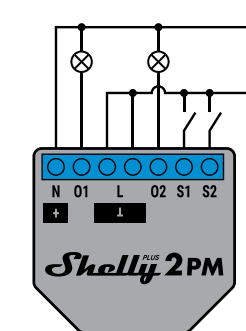
Legend
Device terminals:
O1: Load circuit 1 output terminal
O2: Load circuit 2 output terminal
S1: Switch (controlling O1) input terminal
S2: Switch (controlling O2) input terminal
L: Live (110-240 VAC) terminals
N: Neutral terminal
+: 24 VDC positive terminal
⊥: 24 VDC negative terminal
Wires:
N: Neutral wire
L: Live (110-240 VAC) cable
+: 24 VDC positive wire
-: 24 VDC negative wire

Shelly PLUS i4
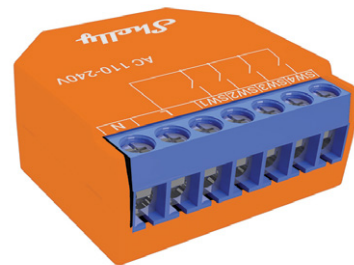
SMART SCENES ACTIVATION WITH ENHANCED CONTROL

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 relays, sensors, or HTTP and MQTT-controlled devices. Thanks to its small dimensions, it can fit behind every wall switch.

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 SHELLY 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 Cloud 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 Cloud App.

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

TECHNICAL SPECIFICATIONS

Power Supply	• 110-240 VAC, 50/60 Hz
Multi-click support	Up to 12 possible actions (3 per button)
Complies with EU standards	• RE Directive 2014/53/EU • LVD 2014/35/EU • EMC 2014/30/EU • RoHS2 2011/65/EU
Working temperature	-20°C ÷ 40°C
Max RF output power	14.9 dBm
Radio protocol	Wi-Fi 802.11 b/g/n
Frequency:	2412 - 2472 MHz
Operational range (depending on local conditions)	• up to 50 m outdoors • up to 30 m indoors
Dimensions	42x37x16 mm
Electrical consumption	< 1mW
Wire cross section range	0.5 ÷ 1.5 mm²

L
110V-240V
N

SW4 SW3 SW2 SW1 L L N
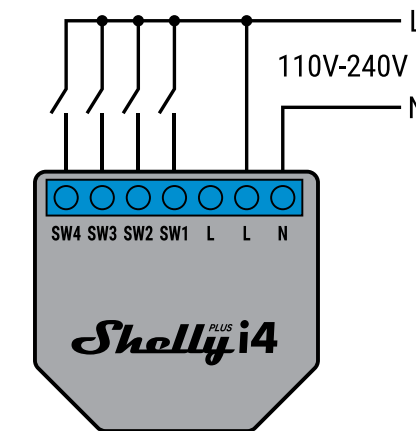
Legend
Terminals:
N: Neutral terminal
L: Live (110-240V) terminal
SW1: Switch terminal
SW2: Switch terminal
SW3: Switch terminal
SW4: Switch terminal
Wires:
N: Neutral wire
L: Live (110-240V) wire

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
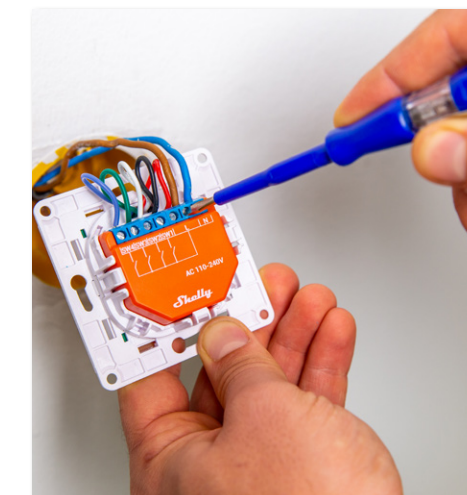
Shelly PLUS H&T

NEXT GENERATION TEMPERATURE & HUMIDITY SENSOR

With over 1 year of battery life, **Shelly Plus H&T** will make sure that you are always aware of the levels of humidity and temperature in your home. Enhanced with a faster processor, and a low-consuming e-ink display, Shelly Plus H&T will monitor even the slightest change in the conditions and help you prevent dryness or mold while maintaining comfortable conditions at the premises.

MONITOR THE HUMIDITY LEVELS IN YOUR HOME

MONITOR THE TEMPERATURE OF YOUR HEATER OR AIR CONDITIONER

COMPATIBLE WITH OTHER DEVICES
Reveal the full potential of Shelly Plus H&T to by combining it with other smart devices in your home network and customize the actions based on the day, hour, or various actions.

Wi-Fi operated
Connect Shelly Plus H&T to your Wi-Fi network. No HUB required!

Bluetooth inclusion
Add devices quickly and easily via Bluetooth connection, using Shelly Cloud App.

Extremely fast processor
Shelly Plus H&T will report any change in the humidity or temperature levels and will send immediate notification.

E-ink display
Enhanced with a low-consuming e-ink display, Shelly Plus H&T will keep you up to date with the temperature and humidity levels

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. Works with 4 x Regular 1.5 V AA (LR) batteries (not included in the package)

USB Power Supply
Shelly Plus H&T is enhanced with Type-C USB slot for faster connection and more frequent reporting to the app.

Free history on Cloud
With Shelly Plus H&T you can see recorded data for humidity and temperature for up to a year.

TECHNICAL SPECIFICATIONS

Battery	4 x Regular 1.5 V AA (LR) batteries (**NOT** included)
Battery life	Up to 18 months
Humidity measurement range:	0 ÷ 100%
Measurement accuracy	± 1°C
Working temperature	0°C ÷ 40°C
Max RF output power	15 dBm
Wireless/Wi-Fi Protocol	802.11 b/g/n (2.4 GHz)
Frequency	2412 - 2472 MHz
Operational range (depending on local conditions)	• up to 50 m outdoors • up to 30 m indoors
Dimensions (HxWxL)	70x70x26 mm (without stand) 70x70x45 mm (with stand)
Complies with EU standards:	• RE Directive 2014/53/EU • LVD 2014/35/EU • EMC 2014/30/EU • RoHS2 2011/65/EU

HEATING/COOLING OPTIMIZATION
With Shelly H&T you can o**ptimize the power consumption** for heating and cooling of your home.

HUMIDITY CONTROL
Humidity control is very important for your health. Keep it at its optimal levels with Shelly Plus H&T.

PRECISE INFORMATION NO MATTER WHERE YOU ARE
Stay informed about the humidity and temperature levels of your home no matter where you are and control them remotely through the app.

NO HUB REQUIRED!
Shelly Plus H&T can be controlled directly and without a hub through your smartphone with Shelly Cloud App.

MAKE YOUR BATHROOM FAN SMART!
Automate your bathroom fan using Shelly Plus 1! Place Shelly Plus H&T in your bathroom and set it to switch on the fan once the levels of humidity increase. That way you never again have to worry about forgetting to switch off the fan once you leave the shower!

Shelly PLUS Smoke

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.

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 Cloud App.

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

TECHNICAL SPECIFICATIONS

Battery	1x 3 V CR123A battery
Battery life	3 year
Humidity	30 % to 95 % RH
Weight w/o battery	95 g
Working temperature	0°C ÷ 55°C
Max RF output power	20 dBm
Wireless/Wi-Fi Protocol	802.11 b/g/n (2.4 GHz)
Frequency	2412 - 2472 MHz
Operational range (depending on local conditions)	• up to 50 m outdoors • up to 30 m indoors
Dimensions (HxWxL)	86x86x31mm

Shelly PLUS Plug S
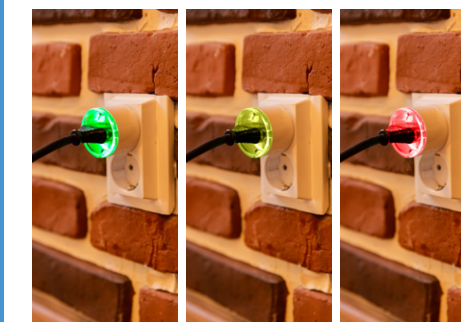
NEXT-GENERATION WI-FI OPERATED PLUG

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.

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 Cloud App.

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

TECHNICAL SPECIFICATIONS

|	
Power supply	Input 110-230 VAC, 50/60 Hz
Max load	12 A / 230 V
Complies with EU standards	• RE Directive 2014/53/EU • LVD 2014/35/EU • EMC 2014/30/EU • RoHS2 2011/65/EU
Working temperature	-20°C ÷ 40°C
Max RF output power	20 dBm
Wireless/Wi-Fi Protocol	802.11 b/g/n (2.4 GHz)
Frequency	2412 - 2472 MHz
Operational range (depending on local conditions)	• up to 50 m outdoors • up to 30 m indoors
Dimensions (HxWxL)	44x44x70 mm
Processor (CPU)	ESP32
Remote Control	Trough mobile app & web interface
Compatibility	Android (4.2+) & iOS (8+), web browsers
Languages	Multiple trough mobile app & web interface
Electrical consumption	< 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.

0 W   **1250 W 50%**   **2500 W 100%**

ADJUSTABLE LED LIGHT
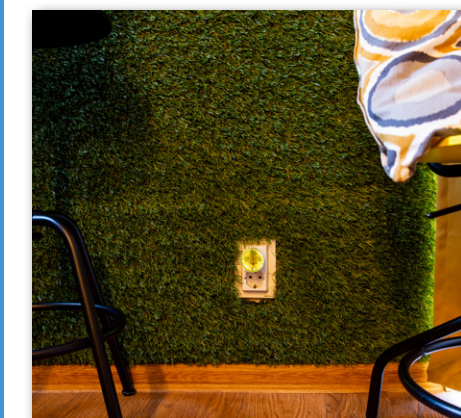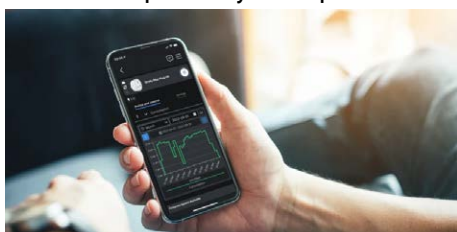
Shelly PLUS Plug UK

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.

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.
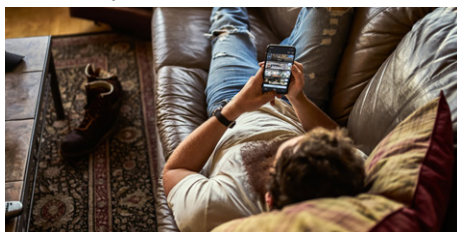
PREVENT APPLIANCES DAMAGES

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 Cloud App.

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

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TECHNICAL SPECIFICATIONS

Power supply	Input 110-230 VAC, 50/60 Hz
Max load	12 A / 230 V
Complies with EU standards	• RE Directive 2014/53/EU • LVD 2014/35/EU • EMC 2014/30/EU • RoHS2 2011/65/EU
Working temperature	-20°C ÷ 40°C
Max RF output power	20 dBm
Wireless/Wi-Fi Protocol	802.11 b/g/n (2.4 GHz)
Frequency	2412 - 2472 MHz
Operational range (depending on local conditions)	• up to 50 m outdoors • up to 30 m indoors
Dimensions (HxWxL)	60x60x56 mm
Processor (CPU)	ESP32
Remote Control	Trough mobile app & web interface
Compatibility	Android (4.2+) & iOS (8+), web browsers
Languages	Multiple trough mobile app & web interface
Electrical consumption	< 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.
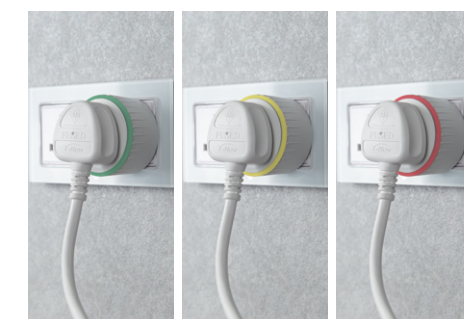
0 W	1250 W 50%	2500 W 100%

Shelly PLUS Plug IT

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 2300 W.

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 Cloud App.

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

TECHNICAL SPECIFICATIONS

Power supply	Input 230 VAC, 50/60 Hz
Max load	10 A / 230 V
Complies with EU standards	• RE Directive 2014/53/EU • LVD 2014/35/EU • EMC 2014/30/EU • RoHS2 2011/65/EU
Working temperature	-20°C ÷ 40°C
Max RF output power	20 dBm
Wireless/Wi-Fi Protocol	802.11 b/g/n (2.4 GHz)
Frequency	2412 - 2472 MHz
Operational range (depending on local conditions)	• up to 50 m outdoors • up to 30 m indoors
Dimensions (HxWxL)	70x70x70 mm
Processor (CPU)	ESP32
Remote Control	Trough mobile app & web interface
Compatibility	Android (4.2+) & iOS (8+), web browsers
Languages	Multiple trough mobile app & web interface
Electrical consumption	< 1 W

Shelly® 1

WI-FI-OPERATED RELAY SWITCH FOR LIGHTS AND APPLIANCES AUTOMATION

The Wi-Fi Relay Switch Shelly 1 OS is intended to be mounted into a standard in-wall console, behind power sockets and light switches in order to control the electric power through it.

USE THE POWER OF MONGOOSE OS TO MAKE YOUR OWN APPLICATION

MONGOOSE OS

MAKE YOUR ARDUINO PROJECT LIVE AND USABLE IN YOUR AUTOMATION PROJECT

ARDUINO
OPEN-SOURCE
COMMUNITY

SHARE YOUR EXPERIENCE WITH DEVELOPERS OVER THE WORLD

USE OUR REST API TO CONNECT SHELLY 1 OS WITH YOUR EXISTING HOME AUTOMATION SYSTEM

{ REST }

Mobile App Control
Turn appliances on/off directly from your smartphone or tablet.

Wi-Fi Connected
Simply connect Shelly to your Wi-Fi network and begin the ultimate experience by controlling your home with your phone.

Home assistant compatible
Control your appliance with your voice. Shelly 1 OS is Google home and Amazon Echo compatible.

Weekly Scheduling
Create custom daily schedules for your devices.

Following the Sunlight
Shelly 1 OS can automatically turn on/off based on the sunrise and sunset hours.

Up To 3500W
With Shelly 1 OS you can control a wide range of devices and appliances.

Free Cloud
All you need to manage your Shelly 1 OS is a smartphone and the Shelly Cloud free mobile application.

Countdown timer
No more forgotten turned on appliances. The integrated countdown timer can automatically switch off your oven after an hour.

TECHNICAL SPECIFICATIONS

|	
Power supply	• 110-240 VAC, 50/60 Hz • 24-60 VDC • 12 VDC ±10%
Max load	16 A
Complies with EU standards:	• RE Directive 2014/53/EU • LVD 2014/35/EU • EMC 2014/30/EU • RoHS2 2011/65/EU
Working temperature	-20°C ÷ 40°C
Max RF output power	9.95 dBm
Wireless/Wi-Fi Protocol	802.11 b/g/n (2.4 GHz)
Frequency:	2412 – 2472 MHz
Operational range (depending on local conditions)	• up to 50 m outdoors • up to 30 m indoors
Dimensions (HxWxL)	43x38x18 mm
Electrical consumption	< 1 W
Wire cross section range	0.5 ÷ 1.5 mm²

fig.1   Power supply: 110-240V AC
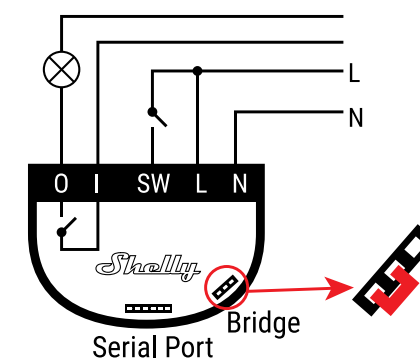
fig.2   Power supply: 12V; 24-60V DC
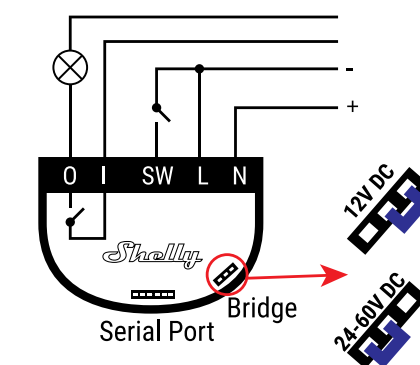
Legend
Device terminals:
O: Load circuit output terminal
I: Load circuit input terminal
SW: Switch (controlling O) input terminal
L: Live (110-240 VAC) terminal
N: Neutral terminal
Wires:
L: Live (110-240 VAC) wire
N: Neutral wire
-: 12/24-60 VDC negative wire
+: 12/24-60 VDC positive wire

The Wi-Fi Relay Switch Shelly 1 may control an electrical circuit up to 16A. It is intended to be mounted into a standard in-wall console, behind power sockets and light switches or other places with limited space. Shelly may work as a standalone Device or as an accessory to a home automation controller.

Shelly dimmer2

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.

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 to set your lights to your preference.

Overheating protection
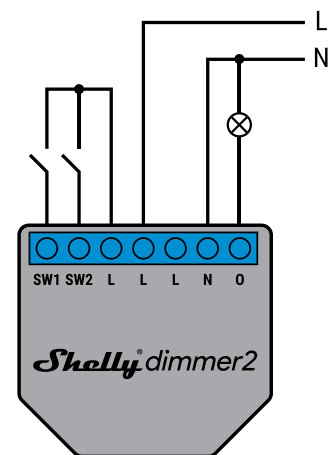Internal temperature sensor for overheating protection.

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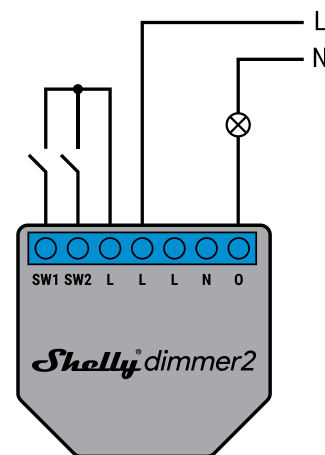
Free Cloud
All you need to manage your Shelly Dimmer 2 is a smartphone and the Shelly Cloud free mobile application.

TECHNICAL SPECIFICATIONS

Power Supply	110-230 VAC, 50/60 Hz
Can work without neutral line	Yes
Complies with EU standards	• RE Directive 2014/53/EU • LVD 2014/35/EU • EMC 2014/30/EU • RoHS2 2011/65/EU
Working temperature:	0 ÷ 35°C
Max RF output power	13 dBm
Radio protocol	Wi-Fi 802.11 b/g/n
Frequency	2412 - 2472 MHz
Operational range (depending on local conditions)	• up to 50 m outdoors • up to 30 m indoors
Dimensions	43x37x14 mm
Electrical consumption	< 1 W
Wire cross section range	0.5 ÷ 1.5 mm²

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
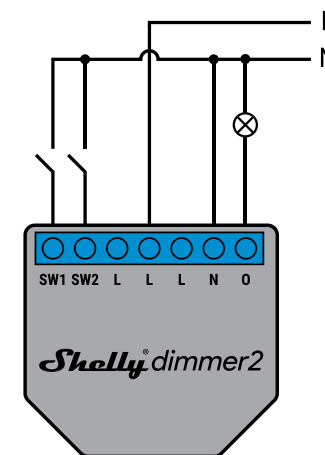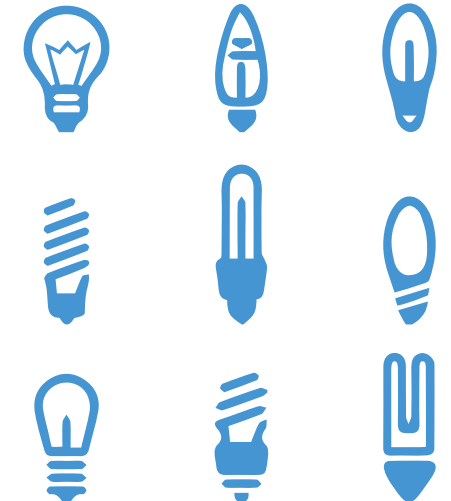
No neutral wiring

Standard wiring with neutral and SW connected to neutral
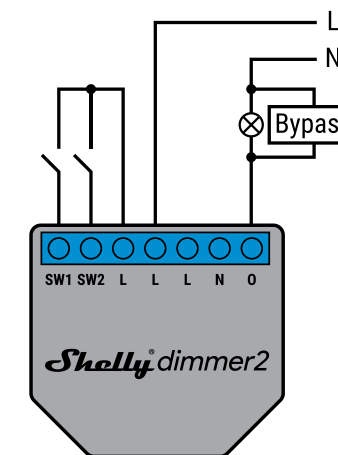
No neutral wiring with no minimum load requirements

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® RGBW2

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.

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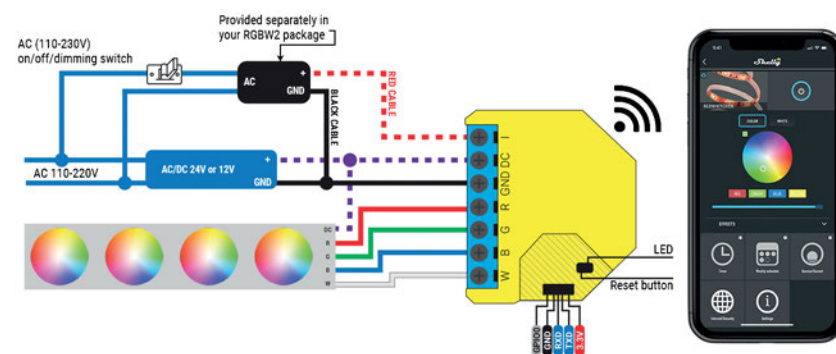Compatible with Android, iOS, Amazon Alexa and Google Assistant.

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 countdown timer can automatically switch off your lights after an hour.

TECHNICAL SPECIFICATIONS

Interfaces	
Output interface	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
Interface	Reset button, AC 230 V switch input
AC switch	On/Off and Dimming function
Wi-Fi Parameters and Features	
Wi-Fi work mode	STA/AP/STA+AP/Smart Config
Security Specialty	None, WEP, WPA-PSK, WPA2-PSK (TKIP/AES)
Wi-Fi Standard	IEEE 802.11b/g/n
Wi-Fi Power	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
Frequency	2.4GHz-2.5GHz (2400M-2483.5M)
Antenna	Embedded
Power Input/output	
DC Power Input	12-24 V
DC Power Output 12V	144 W - combined power; 45 W - per channel
DC Power Output 24V	288 W - combined power; 90 W - per channel
Standby Current	≤50 mA
Work environment	
Working temperature	-20°C ÷ 40°C
Work humidity	5% to 95% (No condensing)
Wi-Fi Range	Indoor: 35m, Outdoor: 60m (depending on the environment)
Dimensions (HxWxL)	43x38x14 mm
Wire cross section range	0.5 ÷ 1.5 mm²

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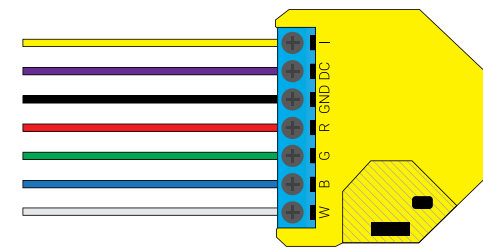
Legend
- ○ AC or DC on/off/dimming switch
- ● + 12/24 VDC
- ● – 12/24 VDC
- ● Red Light
- ● Green Light
- ● Blue Light
- ○ White Light

Shelly® 1L

THE BEST RETROFIT DEVICE EVER MADE

No electritical wiring changes needed Shelly1L can convert any existing wall into a smart switch. You don't need to change the wiring, to run new cables, or anything else. Just put the shelly behind the existing wall switch.
No neutral line required. Many light switches are wired with no neutral present, which makes them difficult to automate. Shelly1L handles this problem because it only needs the hot line.

SUPPORTED LOAD TYPE (WITH AND WITHOUT NEUTRAL):
√ Resistive (lights, electric heaters)
√ Inductive (Led Lights, Transformers, Fan, Motors)
√ Capacitive (motor starting capacitors, generators, and synchronous motors)

SUPPORTED LIGHT TYPES:
√ Incandescent lamps
√ Fluorescent lamps.
√ Halogen lamps.
√ Dimmable LED
√ Fluorescent tubes
√ Neon lamps.

Wi-Fi Connected
No HUB required – Connect Shelly 1L directly to your Wi-Fi at home

No neutral required
Power on the device and control your light, fan, or other appliances only by Live wire, no neutral required to be connected to the device.

Highly compatible
Compatible with Android, iOS, Amazon Alexa and Google Assistant. Control your appliance with your voice.

Overheating protection
In case of high temperature Shelly1L will switch OFF the output to protect itself and your home appliances.

Following the Sunlight
Shelly 1L can automatically follow the sunrise and sunset and control your lighting accordingly.

Weekly Scheduling
Choose a time and set your lighting to turn on/off or dim precisely when you want it to.
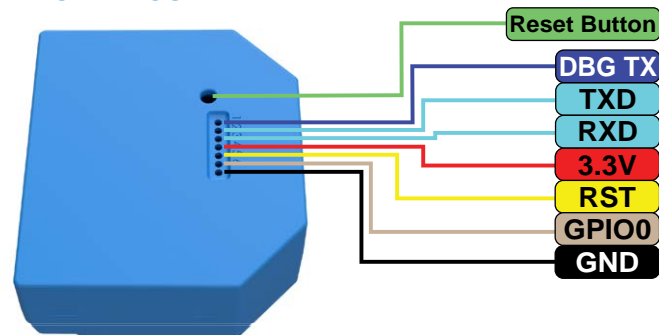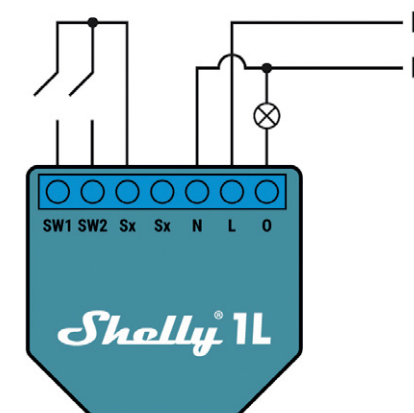
Rest API
Use our REST API to connect Shelly 1L to your existing home automation system.

MQTT enabled
Easily integrate Shelly1L to your existing home server using MQTT or CoAP protocol.

DEVICE PINOUT

Reset Button
DBG TX
TXD
RXD
3.3V
RST
GPIO0
GND

TECHNICAL SPECIFICATIONS

Power supply	110-230 VAC, 50/60 Hz
Power supply DC	No
Device temperature protection	Yes
Complies with EU standards:	• RE Directive 2014/53/EU • LVD 2014/35/EU • EMC 2014/30/EU • RoHS2 2011/65/EU
Working without a neutral line	Yes
Channels	1
Maximum load	4.1 A (5 A for short operation)
Minimum load – no neutral connected, without bypass	20 W resistive load
Operational temperature	-20°C ÷ 40°C
Device power consumption	< 1 W
Wireless/Wi-Fi Protocol	802.11 b/g/n (2.4 GHz)
Frequency	2412 - 2472 MHz
Max RF output power	12.24 dBm
Operational range (depending on local conditions)	• up to 50 m outdoors • up to 30 m indoors
Dimensions (HxWxL)	43x38x14 mm
Wire cross section range	0.5 ÷ 1.5 mm²

Wiring with neutral
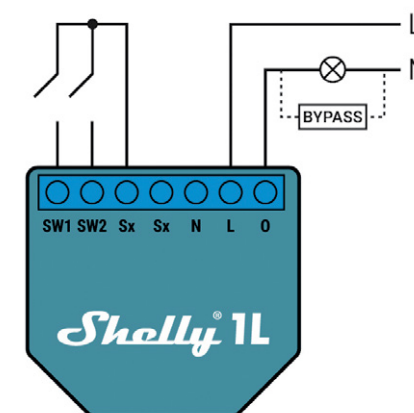
Wiring without neutral

Legend*
Device terminals:
SW1: Switch 1 input terminal
SW2: Switch 2 input terminal
Sx: Signal for switch terminal
N: Neutral terminal
L: Live (110-240 VAC) terminals
O: Load circuit output terminal
Wires:
L: Live (110-240 VAC) wire
N: Neutral wire

* When using the device without neutral, Shelly 1L requires at least 20 W of power consumption, in order to operate. If the connected light has a smaller power consumption, then Shelly Bypass is required for the operation of the Device! Shelly Bypass is accessory that will be sold separately!

WI-FI-OPERATED ENERGY METER AND CONTACTOR CONTROL

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

MEASUREMENTS

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

ADDITIONAL FEAUTURES

- √ 365 days built-in energy history
- √ Relay 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 relay 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 countdown 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 Shedules
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.

TECHNICAL SPECIFICATIONS

Power supply	110-240 VAC, 50/60 Hz
Power metering	Two channels, up to 120 A each
Consumption history	365 days built-in energy history (Wh)
Maximum load	2 A / 240 VAC
Complies with EU standards:	• RE Directive 2014/53/EU • LVD 2014/35/EU • EMC 2014/30/EU • RoHS2 2011/65/EU
Working temperature	0°C ÷ 40°C
Max RF output power:	13 dBm
Wireless/Wi-Fi Protocol	802.11 b/g/n (2.4 GHz)
Frequency	2412 - 2472 MHz
Operational range (depending on local conditions)	• up to 50 m outdoors • up to 30 m indoors
Dimensions (HxWxL)	39x36x17 mm
Electrical consumption:	< 1 W
Additional features	• Overpower shutdown • Consumption limit
Wire cross section range	0.5 ÷ 1.5 mm²
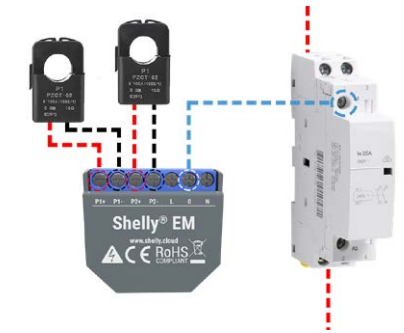
CONTROL 120A SAFE AND EASY
Shelly EM has integrated relay output made for contactor control
- **Remote control from anywhere**

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

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

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

√ Precise 3-phase energy metering
√ Up to 120A per phase
√ Integrated 10A 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 10A relay 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 Cloud 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.
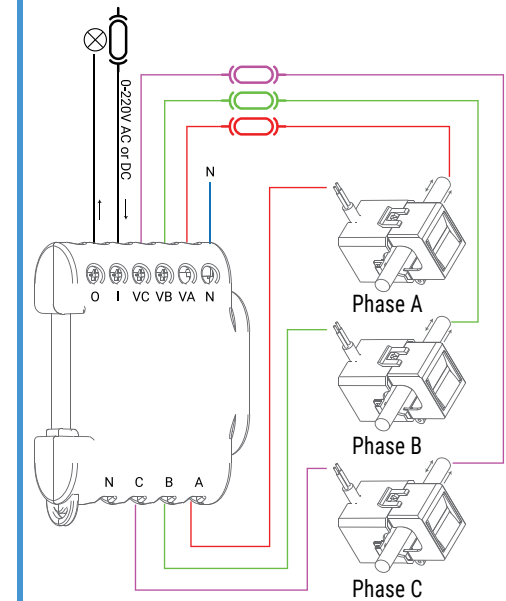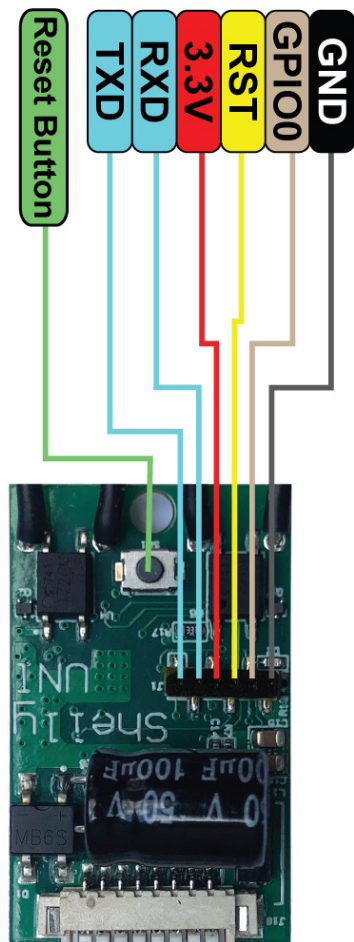
Weekly schedules
Choose a time and create custom daily schedules for your Shelly 3EM.

TECHNICAL SPECIFICATIONS

Power supply	110-230 VAC, 50/60 Hz
Power metering	3 channels, up to 120 A each
Consumption history	365 days built-in energy history (Wh)
Maximum load	10 A / 240 VAC
Complies with EU standards	• RE Directive 2014/53/EU • LVD 2014/35/EU • EMC 2014/30/EU • RoHS2 2011/65/EU
Working temperature	-20°C ÷ 40°C
Max RF output power	10.28 dBm
Wireless/Wi-Fi Protocol	802.11 b/g/n (2.4 GHz)
Frequency	2412 - 2472 MHz
Operational range (depending on local conditions)	• up to 50 m outdoors • up to 30 m indoors
Dimensions (HxWxD)	73x22x58 mm
Electrical consumption	< 1 W
Additional features	• Overpower shutdown • Consumption limit

Shelly® UNI

THE INTELLIGENT WI-FI OPERATED IMPLANT

Make any old appliance smart! Shelly UNI is the smallest universal module with two available digital inputs and potential-free outputs, providing endless functionalities.

DEVICE PINOUT

Reset Button · TXD · RXD · 3.3V · RST · GPIO0 · GND

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

Universally flexible power supply
Shelly UNI can be powered with the wide range of 12V-36V DC and 12V-24V AC.

Universal ADC
The ADC range can measure any voltage from 0 to 30 VDC. Dual ranges from 0-12V and 12-30V give exceptionally high accuracy.

Universal temperature & humidity sensors
Shelly UNI supports up to 3xDS18B20 temperature sensors or 1X humidity sensors, making it possible to trigger outputs, local and cloud scenes.

Universal digital inputs
Includes 2 digital inputs, which can be support differing voltages and work separately from 2.2-36 VDC and 12-24 VAC.

Potential Free Outputs
2 potential free outputs (dry contacts), up to 36 VDC or 24 VAC, providing the ability to switch a voltages different from the device power supply one.

Universal protocols
Out of the box, Shelly UNI supports REST, MQTT, CoAP, Alexa, Google Home, and Samsung Smart Things, making it highly compatible with all major home automation platforms.

Universal resistance
Even though there is no plastic shell, the transparent insulation layer over the chip protects it from high humidity, dust, and the threat of short circuits during its long working hours.

TECHNICAL SPECIFICATIONS

Power supply	12V – 24 VAC, 12 – 36 VDC
Inputs	2 Separated digital inputs from 2.2-36 VDC and 12-24 VAC
Outputs	2 Potential free outputs up to 36 VDC and 24 VAC, max 100 mA each
Power measurement	1 ADC – dual ranges from 0-12V and 0-30V
Channels	2
Working temperature	-20°C ÷ 40°C
Power consumption	< 1W
Complies with EU standards	• RE Directive 2014/53/EU • LVD 2014/35/EU • EMC 2014/30/EU • RoHS2 2011/65/EU
Max RF output power	12.24 dBm
Radio protocol	Wi-Fi 802.11 b/g/n
Frequency	2412 - 2472 MHz
Operational range (depending on local construction)	• up to 50 m outdoors • up to 30 m indoors
Dimensions	20x33x13 mm

- No HUB required.
- Wide range of voltage support.
- 2 digital inputs
- 2 potential-free outputs
- ADC range can measure any voltage from 0 to 30 VDC
- Supports up to 3xDS18B20 temperature sensors or 1X humidity sensors
- Transparent insulation layer over the chip protects it from high humidity, dust, and the threat of short circuits
- It can be integrated with all other Shelly devices.
- Compatible with Android, iOS, Amazon Alexa, Google Assistant, and home automation servers using MQTT, CoAP, and REST API.
- Easily make your Arduino project live and usable in your automation project.

Shelly®PLUG

SMART WI-FI-OPERATED PLUG WITH POWER MEASUREMENTS AND 16A 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.

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.

TECHNICAL SPECIFICATIONS

Power supply	Input 110-230 VAC, 50/60 Hz
Max load	16 A / 230 V
Complies with EU standards	• RE Directive 2014/53/EU • LVD 2014/35/EU • EMC 2014/30/EU • RoHS2 2011/65/EU
Working temperature	-20°C ÷ 40°C
Max RF output power	15 dBm
Wireless/Wi-Fi Protocol	802.11 b/g/n (2.4 GHz)
Frequency	2412 - 2472 MHz
Operational range (depending on local conditions)	• up to 50 m outdoors • up to 30 m indoors
Dimensions (HxWxL)	98x56x35 mm
Processor (CPU)	Texas Instruments CC3200
Remote Control	Trough mobile app & web interface
Compatibility	Android (4.2+) & iOS (8+), web browsers
Languages	Multiple trough mobile app & web interface
Electrical consumption	< 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 relay.
• Shelly may be controlled by the integrated button.

Shelly® PLUG S

COMPACT WI-FI SMART PLUG WITH POWER METERING

Shelly Plug S fits everywhere and is the most intelligent Wi-Fi plug ever.
It automatically controls lightning, heating and any other connected electrical appliance in your house.

SHELLY PLUG S CONTROL ANY DEVICE AT YOUR HOME FROM ANYWHERE

WITH SHELLY PLUG S YOU CAN CREATE YOUR OWN SCENE THAT WILL SEND YOU A NOTIFICATION DIRECTLY TO YOUR PHONE

WITH SHELLY PLUG YOU MAY CAN OPTIMIZE YOUR TIME

Wi-Fi Connected
Just connect Shelly PLUG S to your Wi-Fi network and begin the ultimate experience of controlling your home with your phone.

Power Consumption
Shelly Plug will power off any appliance if the predefined power consumption level is reached.

Free Cloud
All you need to manage your Shelly PLUG S 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 2300W
With Shelly Plug you can control wide range of devices and appliances.

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

TECHNICAL SPECIFICATIONS

Power supply	230 VAC ±10%, 50/60 Hz
Max load	10 A
Complies with EU standards:	• RE Directive 2014/53/EU • LVD 2014/35/EU • EMC 2014/30/EU • RoHS2 2011/65/EU
Working temperature	-10°C ÷ 40°C
Max RF output power	15 dBm
Wireless/Wi-Fi Protocol	802.11 b/g/n (2.4 GHz)
Frequency	2412 - 2472 MHz
Operational range (depending on local conditions)	• up to 50 m outdoors • up to 30 m indoors
Dimensions (HxWxL)	70x44x44 mm
Processor (CPU)	Texas Instruments CC3200
Remote Control	Through mobile app & web interface
Compatibility	Android (4.2+) & iOS (8+), web browsers
Languages	Multiple through mobile app & web interface

- 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 relay.
- Shelly may be controlled by the integrated button.

44 mm   70 mm

Easy installation
1. Plug Shelly in to your existing power socket.
2. Take your smartphone and add the Plug to Shelly Cloud application.
3. Connect your home appliances and enjoy.

Shelly® button1

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.

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 is 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.

TECHNICAL SPECIFICATIONS

Power Supply	Two 3 VDC - CR123A Batteries or micro USB 5 V
Battery Lifespan	3000 actions per charge
Complex scenes control	Activate or deactivate synchronized actions of several Shelly devices
Dimming	Yes
Complies with EU standards	• RE Directive 2014/53/EU • LVD 2014/35/EU • EMC 2014/30/EU • RoHS2 2011/65/EU
Working temperature	0 ÷ 40°C
Max RF output power	10.62 dBm
Radio protocol	Wi-Fi 802.11 b/g/n
Frequency	2412 - 2472 MHz
Operational range (depending on local conditions)	• up to 50 m outdoors • up to 30 m indoors
Dimensions	45x45x16 mm

SMALL AND MOBILE

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

45 мм   16 мм

45 мм

Shelly Motion2

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.

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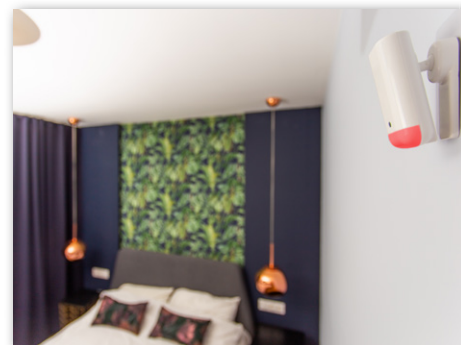256 levels of sensitivity allow adjustment of the distance and the movement to which the sensor reacts.

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!

TECHNICAL SPECIFICATIONS

Battery	6500 mAh 3.7V
Battery life	12 - 36 months
Complies with EU standards:	• RE Directive 2014/53/EU • LVD 2014/35/EU • EMC 2014/30/EU • RoHS2 2011/65/EU
Working temperature	0°C ÷ 40°C
Max RF output power	20 dBm
Wireless/Wi-Fi Protocol	802.11 b/g/n (2.4 GHz)
Frequency	2412 - 2472 MHz
Operational range (depending on local conditions)	• up to 50 m outdoors • up to 30 m indoors
Dimensions (HxWxL)	89.3x41.4x21.9 mm 89.3x41.4x47.9 mm
Remote Control	Through mobile app & web interface
Compatibility	Android (4.2+) & iOS (8+), web browsers
Languages	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® H&T

WI-FI HUMIDITY & TEMPERATURE SENSOR

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

MONITOR HUMIDITY IN YOUR HOME

MONITOR THE TEMPERATURE OF YOUR HEATER OR AIR CONDITIONER.

MONITOR THE TEMPERATURE IN YOUR FRIDGE OR COOLER

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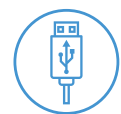Monitor excessive changes in humidity. Avoid dryness and conditions for mold growth.

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 Cloud 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.

TECHNICAL SPECIFICATIONS

Battery	CR123A – 3 V (**NOT** included)
Battery life	Up to 18 months
Electrical consumption:	• Static ≤70 µA • Awake ≤250 mA
Humidity measurement range:	0~100% (±5%)
Measurement accuracy	± 1°C
Working temperature	-10°C ÷ 50°C
Max RF output power	9,87 dBm
Wireless/Wi-Fi Protocol	802.11 b/g/n (2.4 GHz)
Frequency	2412 - 2472 MHz
Operational range (depending on local conditions)	• up to 50 m outdoors • up to 30 m indoors
Dimensions (HxWxL)	35x45x45 mm
Complies with EU standards:	• RE Directive 2014/53/EU • LVD 2014/35/EU • EMC 2014/30/EU • RoHS2 2011/65/EU

- 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.

flash/debug

TXD	GPIO1
RXD	GPIO3
3.3V	
GPIO0	
GND	

35 mm

ShellyTRV

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.

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.

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 Cloud App.

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

## TECHNICAL SPECIFICATIONS

Power supply	Built-in rechargeable battery. USB Type-C charging port (charger not included).
Battery life	Up to 2 years of battery life, based on 5 months heating season
Battery type	3.6 V, 6500 mAh, NCR18650BD Panasonic rechargeable battery
Power consumption	< 500 mA
Complies with EU standards:	• RE Directive 2014/53/EU • LVD 2014/35/EU • EMC 2014/30/EU • RoHS2 2011/65/EU
Working temperature	0°C ÷ 30°C
Temperature control range	5°C ÷ 30°C
Max RF output power	15 dBm
Wireless/Wi-Fi Protocol	802.11 b/g/n (2.4 GHz)
Frequency:	2412 - 2472 MHz
Operational range (depending on local conditions)	• up to 50 m outdoors • up to 30 m indoors
Dimensions (HxWxL)	62x53x94 mm

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.

RAV   RA   RAVL

Caleffi   Giacomini   M28x1.5
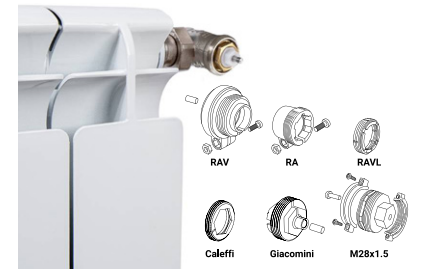
3) Mount Shelly TRV on the radiator.

4) Connect Shelly TRV to your home Wi-Fi network and operate it through Shelly Cloud application.

Shelly flood

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

INSTANT NOTIFICATIONS

DETECTS LEAKAGE
Place Shelly Flood anywhere you thinks 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 Cloud 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.

TECHNICAL SPECIFICATIONS

Battery	CR123A – 3V (**NOT** included)
Battery life	Up to 18 months
Electrical consumption	• Static ≤5 µA • Awake ≤100 mA • Alarm ≤120 mA
Measurement accuracy	± 1°C
Working temperature	-40°C ÷ 60°C
Max RF output power	10 dBm
Wireless/Wi-Fi Protocol	802.11 b/g/n (2.4 GHz)
Frequency	2412 - 2472 MHz
Operational range (depending on local conditions)	• up to 30 m outdoors • up to 10 m indoors
Dimensions (HxWxL)	70x70x19 mm
Complies with EU standards	• RE Directive 2014/53/EU • LVD 2014/35/EU • EMC 2014/30/EU • RoHS2 2011/65/EU

EASY INSTALATION
3 easy steps
1. Download the Shelly Cloud 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® Door/Window2

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.

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 that 12 000 wake-up and 18 months of battery life. The very low power CPU combined with 2x CR123A battery allow more that 2-year battery live 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.

TECHNICAL SPECIFICATIONS

Power Supply	Two 3 VDC - CR123A non-rechargable
Battery Lifespan	up to 18 months
Complies with EU standards	• RE Directive 2014/53/EU • LVD 2014/35/EU • EMC 2014/30/EU • RoHS2 2011/65/EU
Working temperature	-10 ÷ 50°C
Max RF output power	12.71 dBm
Radio protocol	Wi-Fi 802.11 b/g/n
Frequency	2412 - 2472 MHz
Operational range (depending on local conditions)	• up to 50 m outdoors • up to 30 m indoors
Dimensions	Sensor 82x23x20mm Magnet 52x16x13mm
Electrical consumption	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 Cloud 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® GAS

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.

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 standarts.

INTERCHANGEABLE PLUG

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

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

TECHNICAL SPECIFICATIONS

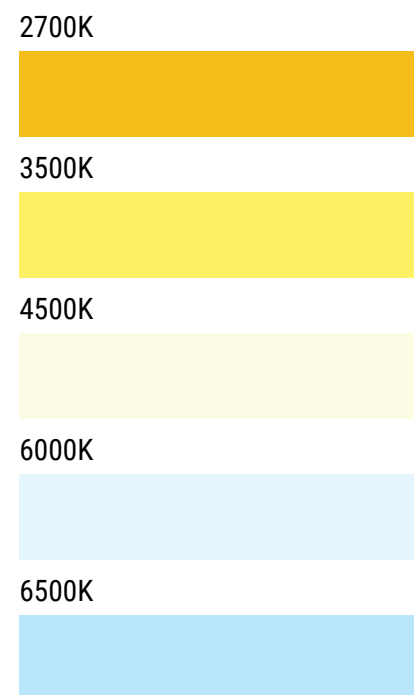|	
Power Supply	110-230 VAC ±10%, 50/60Hz
Alarm indicator	LED Flash & Sound
Alarm sensitivity	6% LEL
Valve manipulator jack output	11-13 V, 500 mA
Sound level	≥70 dB
Gas detector	LPG or CNG
Complies with EU standards	• RE Directive 2014/53/EU • LVD 2014/35/EU • EMC 2014/30/EU • RoHS2 2011/65/EU
Working temperature	-10 ÷ 50°C
Max RF output power	16.28 dBm
Radio protocol	Wi-Fi 802.11 b/g/n
Frequency	2412 - 2472 MHz
Operational range (depending on local conditions)	• up to 50 m outdoors • up to 30 m indoors
Dimensions	89,5x89,5x38 mm (plug not included)
Electrical consumption	< 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 DUO

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.

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 Cloud 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.

TECHNICAL SPECIFICATIONS

	Shelly DUO	Shelly DUO GU10
Power supply	210-230 VAC, 50/60 Hz	
Socket	E27	GU10
Power Rating	9 W	5 W
Brightness	Warm White: 475 lm	Warm White: 475 lm
Color Temperature	2700K - 6500 K	2700K - 6500 K
Working temperature	-10°C ÷ 40°C	-10°C ÷ 40°C
Beam Angle	270°	36°
Complies with EU standards	• RE Directive 2014/53/EU • LVD 2014/35/EU • EMC 2014/30/EU • RoHS2 2011/65/EU	
Max RF output power	15 dBm	
Radio protocol	Wi-Fi 802.11 b/g/n	
Frequency	2412 - 2472 MHz	
Operational range (depending on local construction)	• up to 15 m outdoors • up to 8 m indoors	
Dimensions	60x122 mm	50x73 mm
Electrical consumption	< 1 W	
SAR	1.10 W/Kg	

Shelly DUO RGBW

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.

16 MILLION COLORS

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 Cloud App.

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

WARM AND COLD LIGHT

TECHNICAL SPECIFICATIONS

	Shelly DUO	Shelly DUO GU10
Power supply	110-230 VAC ±10%, 50/60 Hz	
Socket	E27	GU10
Power Rating	9 W	5 W
Brightness	Warm White: 475 lm	Warm White: 475 lm
Color Temperature	3000K - 6500 K	3000K - 6500 K
Working temperature	-10°C ÷ 40°C	-10°C ÷ 40°C
Beam Angle	270°	36°
Complies with EU standards	• RE Directive 2014/53/EU • LVD 2014/35/EU • EMC 2014/30/EU • RoHS2 2011/65/EU	
Max RF output power	15 dBm	
Radio protocol	Wi-Fi 802.11 b/g/n	
Frequency	2412 - 2472 MHz	
Operational range (depending on local construction)	• up to 15 m outdoors • up to 8 m indoors	
Dimensions	60x122 mm	50x73 mm
Electrical consumption	< 1 W	
SAR	1.10 W/Kg	

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.

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 Cloud 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.

TECHNICAL SPECIFICATIONS

Type	A60	ST64	G126
Power supply	7 W		4 W
Socket	E27		
Power Rating	PF > 0.5		
Brightness	750 lm		260 lm
Color Temperature	2700 K		
Working temperature	-10°C ÷ +40°C		
Beam Angle	360°		
Complies with EU standards	• RE Directive 2014/53/EU • LVD 2014/35/EU • EMC 2014/30/EU • RoHS2 2011/65/EU		
Max RF output power	15 dBm		
Radio protocol	Wi-Fi 802.11 b/g/n		
Frequency	2412 - 2472 MHz		
Operational range (depending on local construction)	up to 15m outdoors up to 8m indoors		
Dimensions	60x115mm	64x160mm	125x155mm
Electrical consumption	< 1 W		
SAR	1.10 W/Kg		
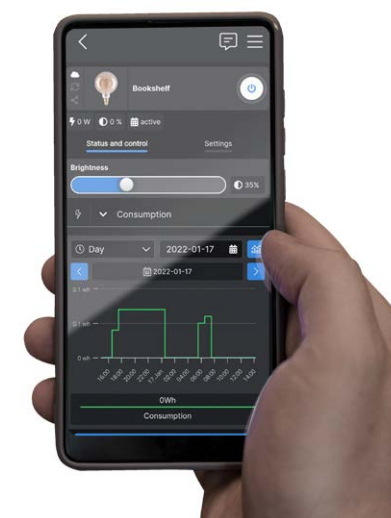
QUICK AND EASY SET UP:
1. Screw in your Shelly Vintage Bulb in the light socket.
2. Download the Shelly Cloud application on your smartphone or tablet.
3. Connect Shelly Vintage bulb to your Wi-Fi router
4. Add Shelly Vintage bulb to Shelly Cloud and browse through the many possible settings.
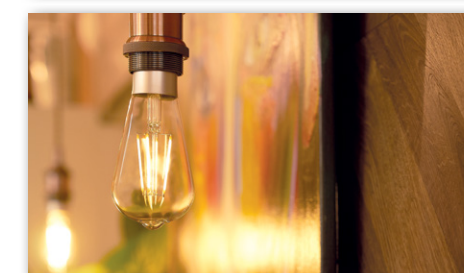
SUPREME HOME AND FACILITY AUTOMATION WITH SHELLY'S PROFESSIONAL LINE OF DIN-RAIL SMART SWITCHES

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.
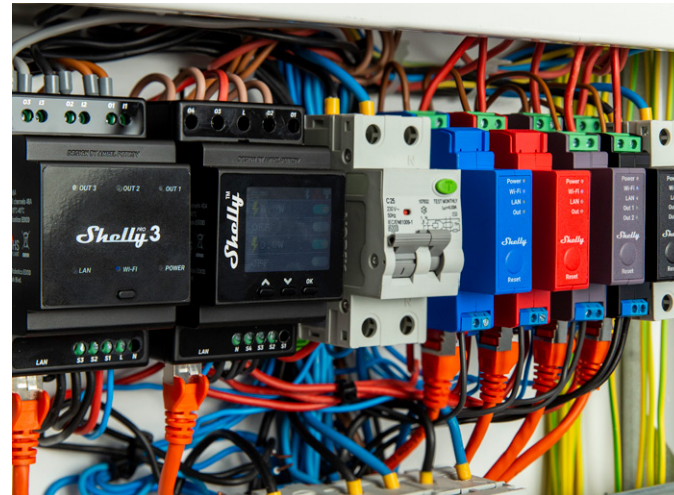
AUTOMATION STRAIGHT FROM THE BREAKER BOX

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.
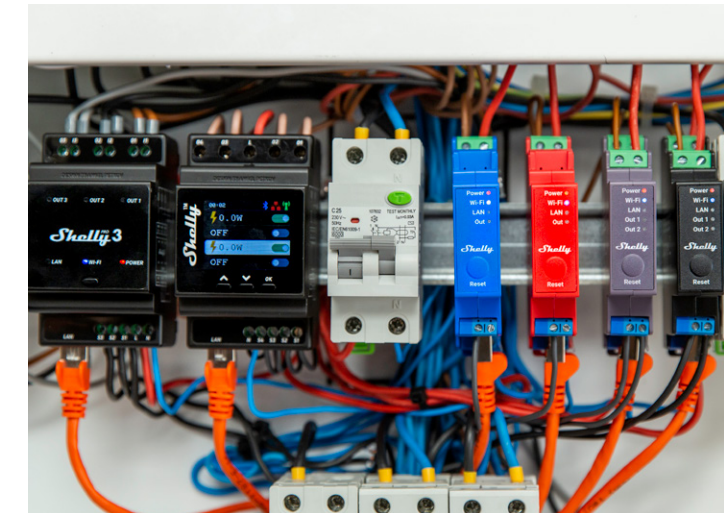
CAPABILITIES

CONNECTIVITY

Wi-Fi   Bluetooth   LAN

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.
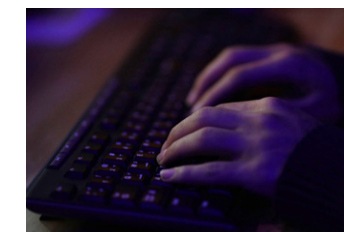
Scripting for custom automation
Get enhanced functionalities and additional processes settings for a specific integration or function.
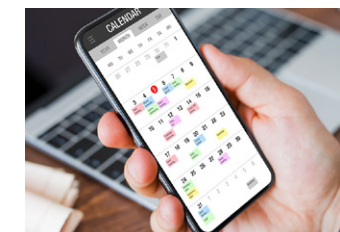
Weekly scheduling automation
Quickly set actions based on your daily or weekly schedule.

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.

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
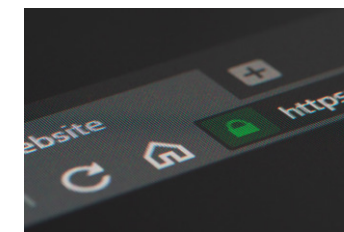
Weekly Scheduling
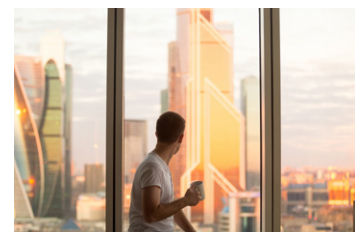
Custom scripts(mJs)

Grouping

Scenes

All images for illustrative purposes only.

Shelly PRO 1

PROFESSIONAL LIGHTS AND APPLIANCES AUTOMATION FOR RESIDENTIAL OR COMMERCIAL USE

Shelly Pro 1 is a one-phase, 1 channel relay 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.

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
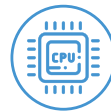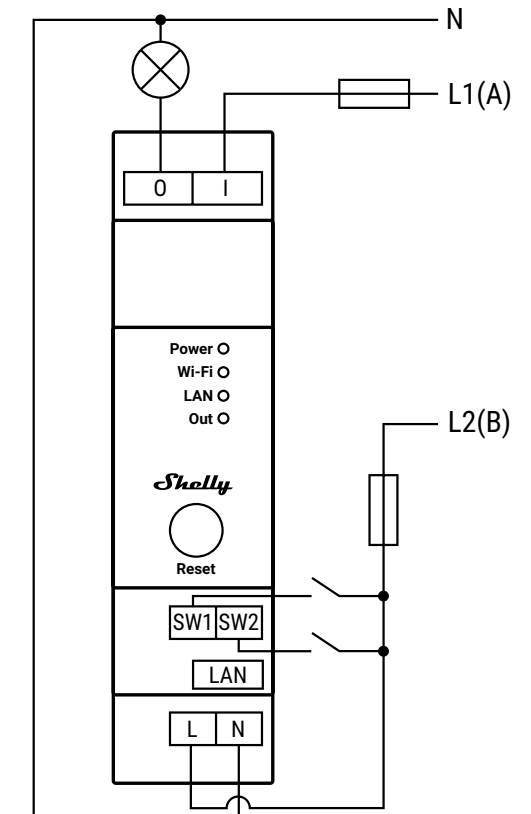
1 channel relay
1 output, 16 A

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 Cloud App.

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

TECHNICAL SPECIFICATIONS

Power supply	110-240 VAC, 50/60 Hz;
Max load	16 A
Complies with EU standards:	• RE Directive 2014/53/EU • LVD 2014/35/EU • EMC 2014/30/EU • RoHS2 2011/65/EU
Working temperature	-20°C to 40°C
Max RF output power	13.35 dBm
Wireless/Wi-Fi Protocol	802.11 b/g/n (2.4 GHz)
Frequency:	2412 - 2472 MHz
Operational range (depending on local conditions)	• up to 50 m outdoors • up to 30 m indoors
Dimensions (HxWxD)	94x19x69 mm
Electrical consumption	< 3 W
Wire cross section range	0.5 - 1.5 mm² (blue) 0.5 - 2.5 mm² (green)

HOW TO CONNECT

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 PRO 1PM

ENHANCED ELECTRICAL APPLIANCES AUTOMATION WITH PRECISE POWER METERING

Shelly Pro 1PM is a one-phase, 1 channel relay supporting up to 16A. 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.

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.
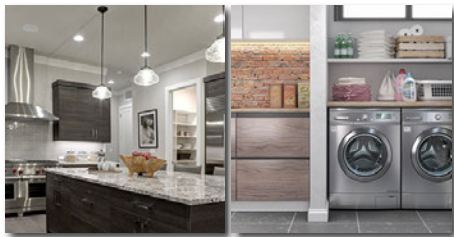
Lights control

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 relay
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, overpower and overvoltage protection.

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

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

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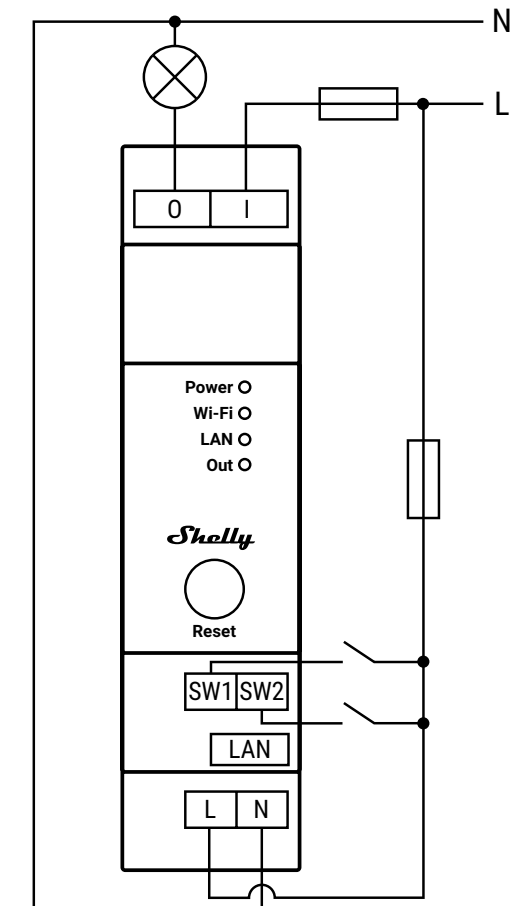Use with your preferred home automation platforms and voice assistants.

TECHNICAL SPECIFICATIONS

Power supply	110-240 VAC, 50/60 Hz
Max load	16 A
Complies with EU standards:	• RE Directive 2014/53/EU • LVD 2014/35/EU • EMC 2014/30/EU • RoHS2 2011/65/EU
Working temperature	-20°C to 40°C
Max RF output power	13.34 dBm
Wireless/Wi-Fi Protocol	802.11 b/g/n (2.4 GHz)
Frequency:	2412 - 2472 MHz
Operational range (depending on local conditions)	• up to 50 m outdoors • up to 30 m indoors
Dimensions (HxWxD)	94x19x69 mm
Electrical consumption	< 3 W
Wire cross section range	0.5 - 1.5 mm² (blue) 0.5 - 2.5 mm² (green)

HOW TO CONNECT

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
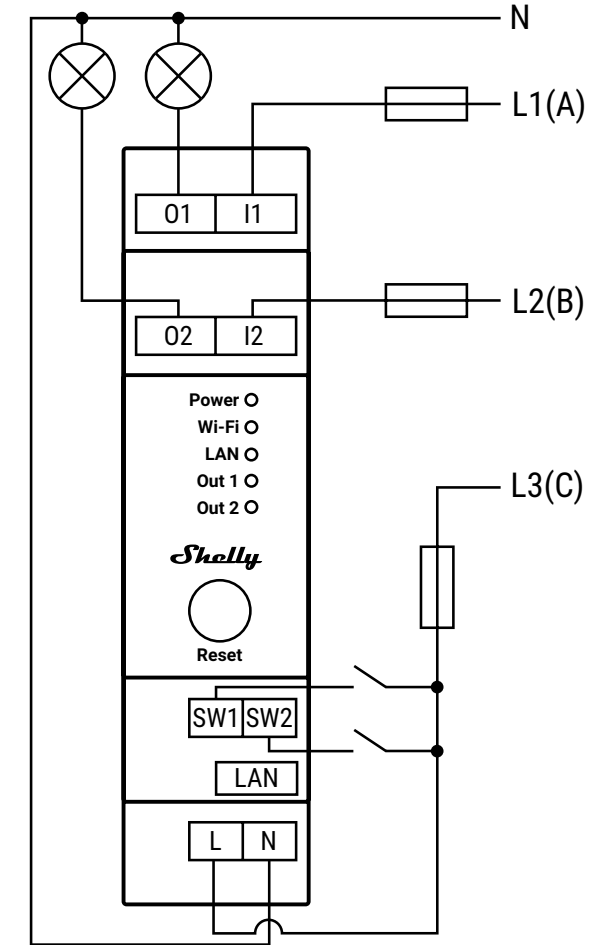** Can be reconfigured in the Device settings*

Shelly PRO 2

APPLIANCES AUTOMATION AND LIGHTS CONTROL ON 2 PHASES!

Shelly Pro 2 is two-phases and 2 channels relay, 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.

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 relay
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 Cloud App.

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

TECHNICAL SPECIFICATIONS

Power supply	110-240 VAC, 50/60 Hz
Max load per channel	16 A
Total max. current of all outputs	25 A
Complies with EU standards:	• RE Directive 2014/53/EU • LVD 2014/35/EU • EMC 2014/30/EU • RoHS2 2011/65/EU
Working temperature	-20°C to 40°C
Max RF output power	13.35 dBm
Wireless/Wi-Fi Protocol	802.11 b/g/n (2.4 GHz)
Frequency:	2412 - 2472 MHz
Operational range (depending on local conditions)	• up to 50 m outdoors • up to 30 m indoors
Dimensions (HxWxD)	94x19x69 mm
Electrical consumption	< 3 W
Wire cross section range	0.5 - 1.5 mm² (blue) 0.5 - 2.5 mm² (green)

HOW TO CONNECT

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 PRO 2PM

Power ●
Wi-Fi ●
LAN ●
Out 1 ●
Out 2 ●

Shelly

Reset

BLINDERS AND ROLLER SHUTTERS AUTOMATION WITH PRECISE POWER METERING

Shelly Pro 2PM is a 2 channel relay, 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.

USE SHELLY PRO 2PM FOR

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

Roller shutter automation

Curtains automation
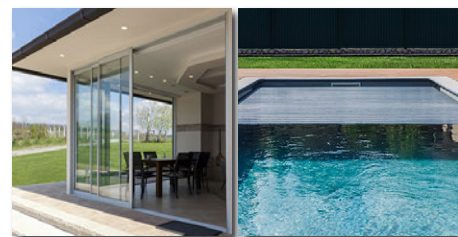
Sliding doors control

Pool cover automation

Office blinds

Gate automation

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

2 channels relay
2 outputs 16A each, total device maximum capacity of 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, overpower and overvoltage protection.

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

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

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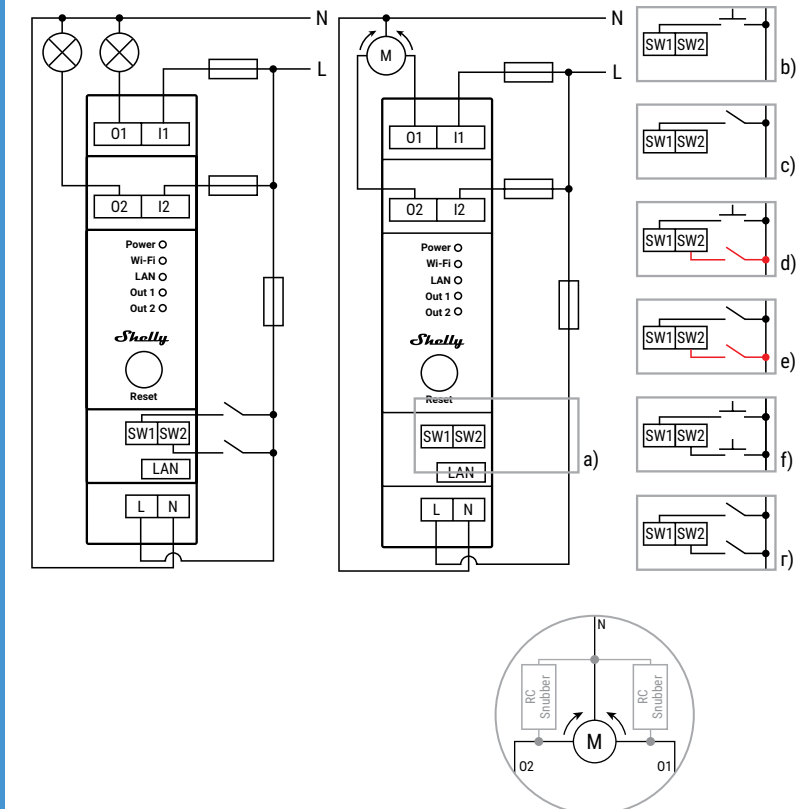
TECHNICAL SPECIFICATIONS

Power supply	110-240 VAC, 50/60 Hz
Max load per channel	16 A
Total max. current of all outputs	25 A
Complies with EU standards:	• RE Directive 2014/53/EU • LVD 2014/35/EU • EMC 2014/30/EU • RoHS2 2011/65/EU
Working temperature	-20°C to 40°C
Max RF output power	13.34 dBm
Wireless/Wi-Fi Protocol	802.11 b/g/n (2.4 GHz)
Frequency:	2412 - 2472 MHz
Operational range (depending on local conditions)	• up to 50 m outdoors • up to 30 m indoors
Dimensions (HxWxD)	94x19x69 mm
Electrical consumption	< 3 W
Wire cross section range	0.5 - 1.5 mm² (blue) 0.5 - 2.5 mm² (green)

HOW TO CONNECT

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 PRO 4PM

SUPREME HOME AND FACILITY AUTOMATION STRAIGHT FROM THE BREAKER BOX

4-channel DIN-mountable smart relay 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.

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.
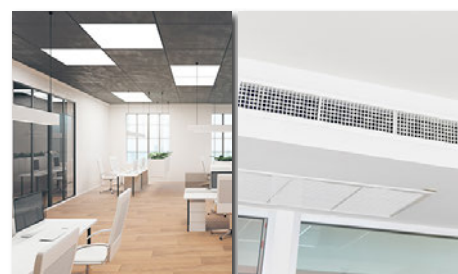
Office lights

Ventilation control

Office outlets

Heating system

AC motor pumps control

Load shedding

LAN connection
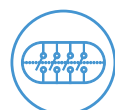Enhanced with LAN connection for even more stable connection.

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

Bluebooth connectivity
Add devices quickly and easily via Bluetooth connection, using Shelly Cloud App.

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

Screen with navigation keys
1.8-inch color screen for quick relay 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, overpower 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 Cloud App.

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

TECHNICAL SPECIFICATIONS

Power supply	110-240 VAC, 50/60 Hz
Max load per channel	16 A
Total max. current of all outputs	40 A
Complies with EU standards:	• RE Directive 2014/53/EU • LVD 2014/35/EU • EMC 2014/30/EU • RoHS2 2011/65/EU
Working temperature	0°C to 40°C
Max RF output power	13.83 dBm
Wireless/Wi-Fi Protocol	802.11 b/g/n (2.4 GHz)
Frequency:	2412 - 2472 MHz
Operational range (depending on local conditions)	• up to 50 m outdoors • up to 30 m indoors
Dimensions (HxWxD)	95x53x58 mm
Electrical consumption	< 4 W
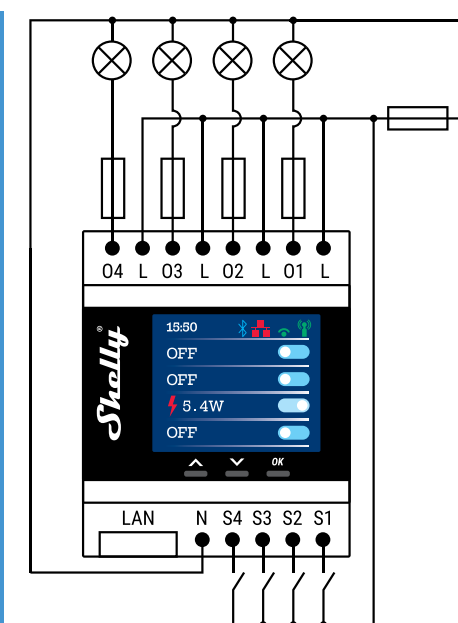
Legend
N - Neutral input / cable (Zero);
L - Live input / cable (110-240 VAC);
L* - Input of O1, O2, O3, O4;
O1, O2, O3, O4 - Output 1, 2, 3, 4;
S1, S2, S3, S4 - Switch inputs controlling O1, O2, O3, O4
LAN – Local Area Network RJ 45 connector
The cables connected to L must be with the same lenght!

PROFESSIONAL 3-CHANNEL DIN RAIL RELAY WITH DRY CONTACTS

Shelly Pro 3 is a three-phase, 3-channel relay 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.

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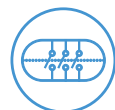
3 channel:
Up to 16 A per channel with up to 48 A total device maximum.

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, overpower and overvoltage protection.

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

No hub required
Control directly and without a hub through your smartphone with Shelly Cloud App.
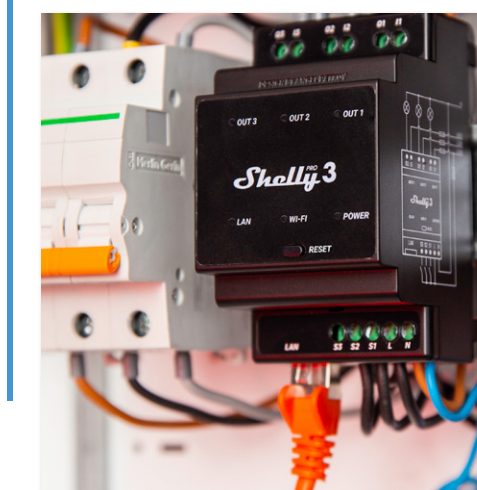
Highly compatible
Use with your preferred home automation platforms and voice assistants

TECHNICAL SPECIFICATIONS

Power supply	110-240 VAC, 50/60 Hz
Max load per channel	16 A
Total max. current of all outputs	48 A
Complies with EU standards:	• RE Directive 2014/53/EU • LVD 2014/35/EU • EMC 2014/30/EU • RoHS2 2011/65/EU
Working temperature	-20°C to 40°C
Max RF output power	15.93 dBm
Wireless/Wi-Fi Protocol	802.11 b/g/n (2.4 GHz)
Frequency:	2412 - 2472 MHz
Operational range (depending on local conditions)	• up to 50 m outdoors • up to 30 m indoors
Dimensions (HxWxD)	96x53x59 mm
Electrical consumption	< 3 W
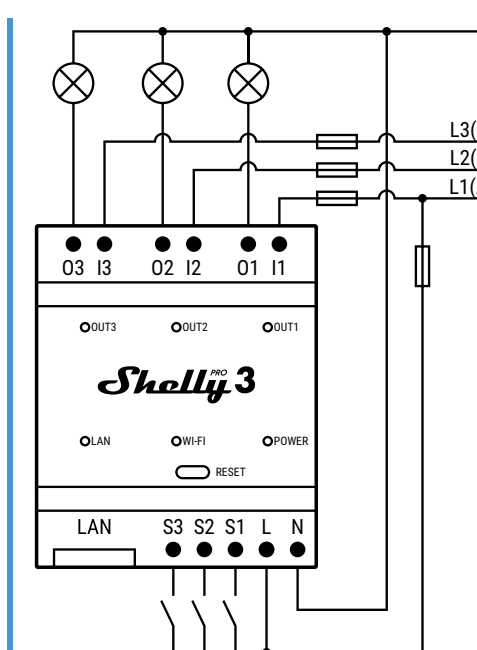
Legend
Device terminals:
O1, O2, O3: Load output terminals
I1, I2, I3: Load input terminals
SW1, SW2, SW3: Switch input terminals controlling O1, O2 and O3
L: Live (110-240 VAC) terminals
N: Neutral terminal
LAN: Local Area Network RJ 45 connector
Cables:
N: Neutral cable
L1(A): Load circuit 1 live (110-240 VAC) cable
L2(B): Load circuit 2 live (110-240 VAC) cable
L3(C): Load circuit 3 live (110-240 VAC) cable

Shelly PRO 3EM

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.

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
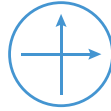
4-quadrant measurement
Measure capacitive and inductive load types of active imported and exported energies.

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 3PM fully supports mjS scripting, allowing you to create further features and functionalities.

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

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

No hub required
Control directly and without a hub through your smartphone with Shelly Cloud App.
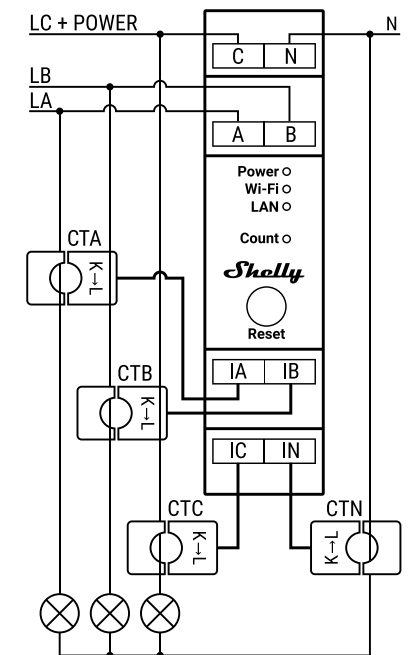
Highly compatible
Use with your preferred home automation platforms and voice assistants

TECHNICAL SPECIFICATIONS

Power supply	110-240 VAC, 50/60 Hz
Voltmeters (RMS for each phase)	100 - 260 V
Voltmeters accuracy	±1 %
Ammeters (RMS via CT for each phase and the Neutral):	0 - 120 A
Complies with EU standards:	• RE Directive 2014/53/EU • LVD 2014/35/EU • EMC 2014/30/EU • RoHS2 2011/65/EU
Working temperature	-20°C to 40°C
Max RF output power Wi-Fi	15 dBm
Wireless/Wi-Fi Protocol	802.11 b/g/n (2.4 GHz)
Frequency:	2412 - 2472 MHz
Operational range (depending on local conditions)	• up to 50 m outdoors • up to 30 m indoors
Dimensions (HxWxD)	94x19x69 mm

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
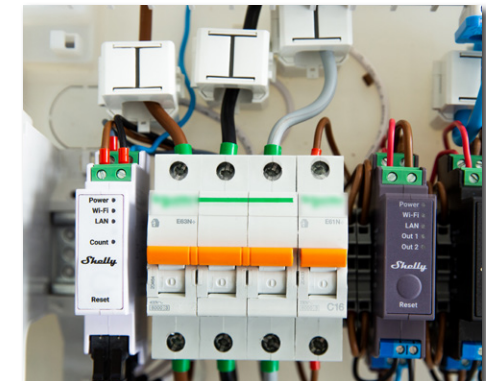
ACCESSORIES FOR SHELLY PRODUCTS

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.
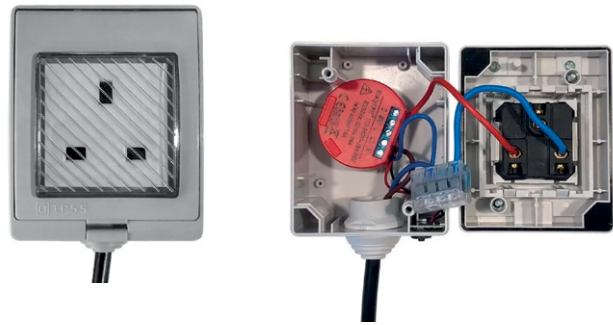
Shelly H&T power adapter

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.

50A   **120A**

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.
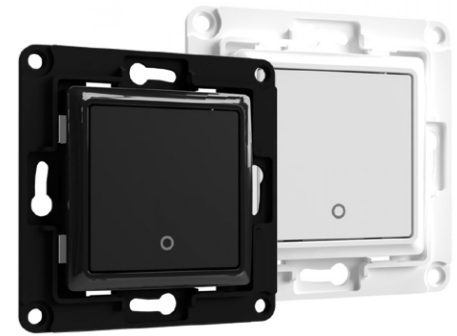
Bypass

WALL SWITCH FOR SMART RELAYS

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 relays, and save on space and money!
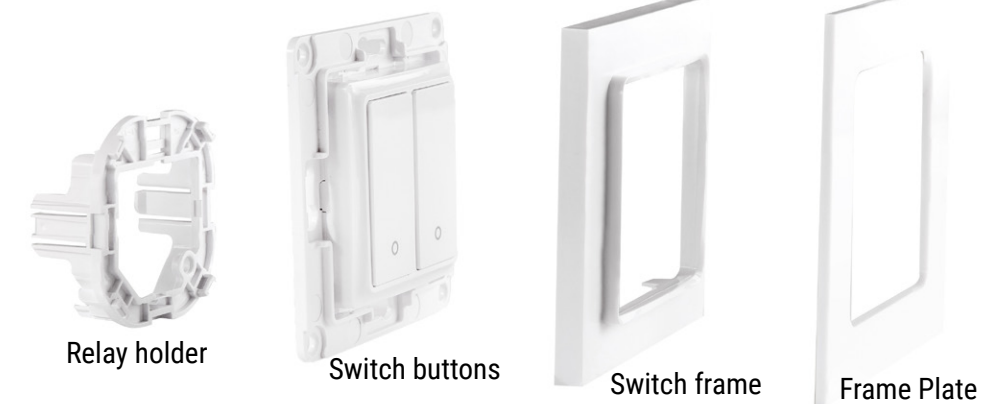
FITS INTO THE TINIEST SPACES!

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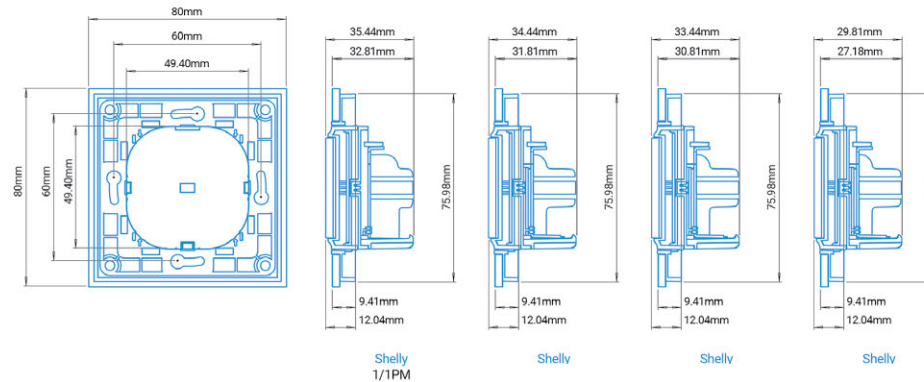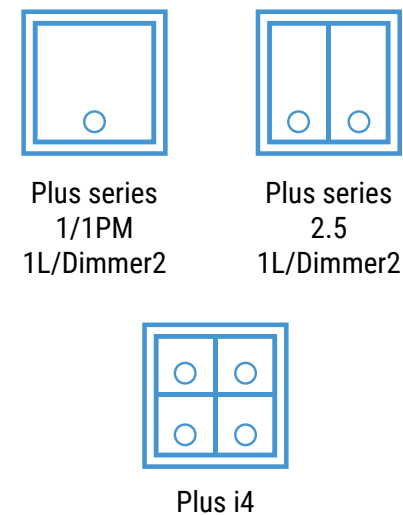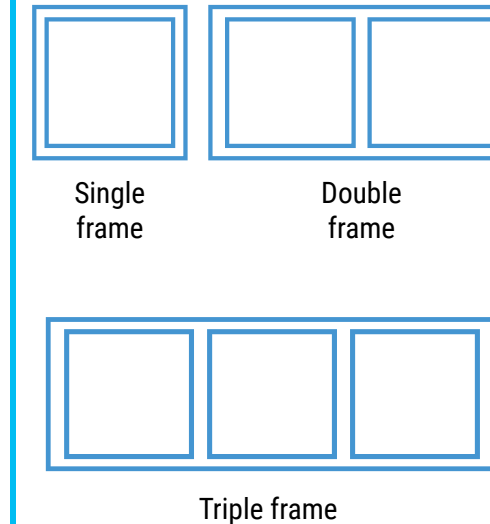
HIGHLY CUSTOMIZABLE!

Each Shelly Wall Switch for Smart Relays comes with corresponding relay holders. You can choose the relay holder that you need to fulfill your automation project.
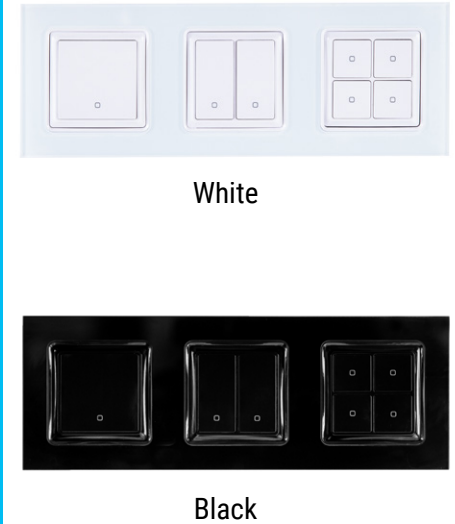
Relay holder   Switch buttons   Switch frame   Frame Plate

AVAILABLE SWITCHES*:

Plus series 1/1PM 1L/Dimmer2

Plus series 2.5 1L/Dimmer2

Plus i4

AVAILABLE FRAMES*:

Single frame

Double frame

Triple frame

AVAILABLE COLORS:

White

Black

Shelly Wall switches and Shelly Wall frames are sold separately!

NOTES

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ALLTERCO