PRODUCT CATALOGUE

Shelly

ROBOTICS
ALLTERCO

HOME AUTOMATION SYSTEMS

TABLE OF CONTENTS

MAKE YOUR HOME SMART

Shelly is a line of home automation products, that allows you intelligently to manage your home directly through your mobile phone!

› Control your lights by adjusting brightness, colors and set custom schedules
› Manage your home appliances or office equipment from anywhere
› Save energy and money
› Control every single electrical appliance in your home, no matter where you are
› Secure your house with integrated motion detection
› Monitor temperature, humidity and brightness
› 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 cloud

CONTROL YOUR HOME AND OFFICE WHEREVER YOU ARE! NO GATEWAY REQUIRED!

Every device has:

› Embedded Web server
› Wi-Fi control and connectivity
› Commands through HTTP and/or UDP protocol.

With Shelly devices installed and registered in your Shelly Cloud account you can:

› Manage multiple devices with individual settings.
› Define and personalize rooms where the Shelly devices are positioned.
› Add more devices in order to build complex automation solution aimed at operational and energy efficiency.
› Connect to an existing WiFi network or use in Access Point mode.
› Monitor the status, as well as the current and the past electrical power consumption of the monitored electrical circuits and loads.
› Configure scenes or switch on/off ad-hoc through the app wherever and whenever you like.
› Configure multiple options for their operations.
› Easy instructions for device inclusion and management.

You can check the status of all the environments, view videos from the cameras, activate scenarios, manage the various appliances and interact with your home remotely, simply using your smartphone or tablet.

Shelly Cloud is our own cloud service and data storage – easy way for managing all Shelly devices. Shelly Cloud could be individually personalized to the customer's need.

Shelly Cloud - the companion mobile app for all different Shelly home automation devices – WiFi relay switches, plugs, bulbs, sensors, IR blasters, cameras and more.

Shelly Cloud allows remote control and monitoring of your Shelly devices.

User friendly interface, Scenes, Bulk control and much more.

Multiple integrations

All Shelly devices come with a REST API documentation , which is avalable 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. Some of them are - Home Assistant, ioBroker, Domoticz, openHAB.
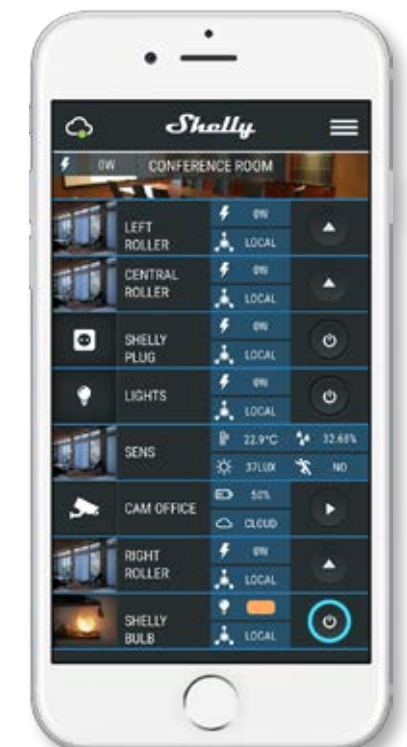
{ REST }   MQTT enabled   Home Assistant   iBroker Automate your life   Domoticz control at your fingertips.   openHAB empowering the smart home

Download on the **App Store**

GET IT ON **Google Play**

Shelly® 2.5

COMPLETELY RE-ENGINEERED
100% PROTECTED

Shelly 2,5 Wi-Fi dual relay switch with dual power metering is 20% more powerful, 30% smaller and with 50% range increased than his predecessor.

SHELLY 2,5 CONNECTING EVERYTHING

SHELLY 2,5 IS 39x36x17 mm

MANAGE YOUR COOLING AND HEATING SYSTEM REMOTELY

Wi-Fi Connected
Shelly 2,5 can connect to any Wi-Fi network or can operate as an Access Point.

2 Channels
Maximum load current per output: 10A/230V, 50/60Hz. You can control a wide range of home appliances and office equipment.

Power Metering
Shelly 2,5 has an integrated precise power meter. You can measure the overall consumption of all the electric devices you are controlling.

Energy Efficient
Manage and control heating radiators and air conditioners, in order to reduce energy consumption related to heating/cooling with up to 30%.

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.

EASY INSTALLATION

SMALL
Shelly 2,5 is 39x36x17mm. You can install Shelly 2,5 into the wall under the power socket or a standard light switch. For roller-shutters, barriers, etc., 3-wire installation is required.

EASY WIRING
And retrofit! Install the Shelly 2,5 relays to your existing electric circuits, for 3 minutes each, and make your home smart and energy efficient.
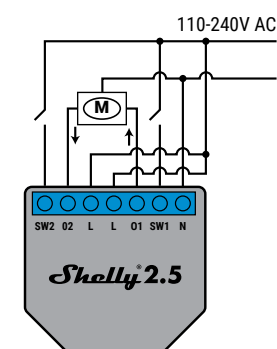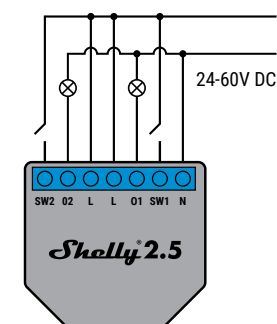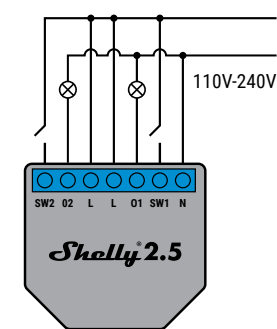
PRACTICAL
Shelly 2,5 can be installed on a DIN into your electricity box, right next to the breakers.

TECHNICAL SPECIFICATIONS

Power supply	Shelly 2,5 is compatible with all major international voltage standards 110-230V ±10% 50/60Hz AC
2 Channels	Maximum load current per output: 10A/230V, 50/60Hz. You can control a wide range of home appliances and office equipment.
Complies with EU standards:	• RE Directive 2014/53/EU • LVD 2014/35/EU • EMC 2004/108/WE • RoHS2 2011/65/UE
Working temperature	-40°C ÷ 40°C
Radio signal power:	1mW
Wireless/WiFi Protocol	WiFi 802.11 b/g/n Shelly 2,5 can connect to any Wi-Fi network or can operate as an Access Point
Frequency:	2400 – 2500 MHz
Operational range (depending on local construction)	• up to 50 m outdoors • up to 30 m indoors
Dimensions (HxWxL):	39 x 36 x 17 mm
Electrical consumption	< 1 W

L
N
110V-240V
SW2 O2 L L O1 SW1 N
Shelly® 2.5

24-60V DC
SW2 O2 L L O1 SW1 N
Shelly® 2.5

110-240V AC
L
N
SW2 O2 L L O1 SW1 N
Shelly® 2.5

LEGEND:
N - Neutral input (110-230V AC); + Positive input (24-60V DC)
L - Line input (110-230V AC); - Negative input (24-60V DC)
O1 - Output 1;
O2 - Output 2;
SW1 - Switch 1 (input controlling O1);
SW2 - Switch 2 (input controlling O2)

Shelly® 1PM

CONTROL ANY ELECTRICAL APPLIANCE AND MEASURE ITS CONSUMPTION
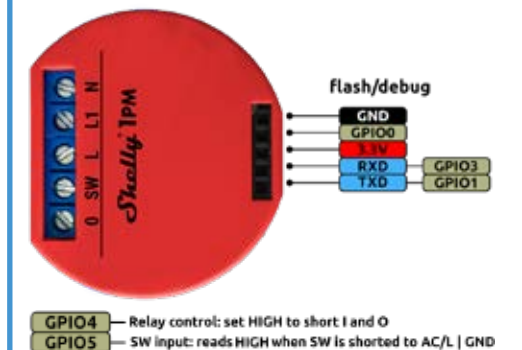
The Wi-Fi Relay Switch Shelly 1PM is intended to be mounted into a standard in-wall console, behind power sockets and light switches in order to control the electric power through it.

WHERE DOES MY MONEY GO?

- **HEATING**
- **COOLING**
- **WATER HEATING**
- **APPLIANCES**
  Includes refrigerator, dishwasher, clothes, washer and dryer
- **LIGHTS**
- **ELECTRONICS**
  Includes telephoneand external power,adapsters, consumerelectronics (computer,TVs and DVD player), home and office equipment and small appliances

Power Metering
Shelly 1PM has an integrated precise power meter. You can measure the overall consumption of all the electric devices you are controlling.

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 1PM is Google home and Amazon Echo compatible.

Weekly Scheduling
Create custom daily schedules for your devices.

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

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

Free Cloud
All you need to manage your Shelly 1PM 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	• 110-240V ±10% 50/60Hz AC • 24-60V DC
Max load per channel	16A
Complies with EU standards:	• RE Directive 2014/53/EU • LVD 2014/35/EU • EMC 2004/108/WE • RoHS2 2011/65/UE
Working temperature	-40°C ÷ 40°C
Radio signal power:	1mW
Wireless/WiFi Protocol	802.11 b/g/n (2.4 GHz)
Frequency:	2400 – 2500 MHz
Operational range (depending on local construction):	• up to 50 m outdoors • up to 30 m indoors
Dimensions (HxWxL):	41 x 36 x 17 mm
Electrical consumption:	< 1 W

For developers

Shelly 1PM comes with a programming/debug header which can be used to flash alternative firmware on the device. It has an ESP8266 inside, with a 2MB flash chip. A USB-to-UART adapter is needed as well as a reliable 3.3V with at least 350 mA drive capability. The following diagram shows the device pinout:

GPIO4 — Relay control: set HIGH to short I and O
GPIO5 — SW input: reads HIGH when SW is shorted to AC/L | GND

Shelly®1
open source

THE SMALLEST, SMARTEST & THE MOST POWERFUL WI-FI SWITCH FOR YOUR AUTOMATION SOLUTION

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

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	• 110-240V ±10% 50/60Hz AC • 24-60V DC • 12V DC
Max load per channel	16A
Complies with EU standards:	• RE Directive 2014/53/EU • LVD 2014/35/EU • EMC 2004/108/WE • RoHS2 2011/65/UE
Working temperature	-40°C ÷ 40°C
Radio signal power:	1mW
Wireless/WiFi Protocol	802.11 b/g/n (2.4 GHz)
Frequency:	2400 − 2500 MHz
Operational range (depending on local construction):	• up to 50 m outdoors • up to 30 m indoors
Dimensions (HxWxL):	41 x 36 x 17 mm
Electrical consumption:	< 1 W

Power supply: 110-240V AC
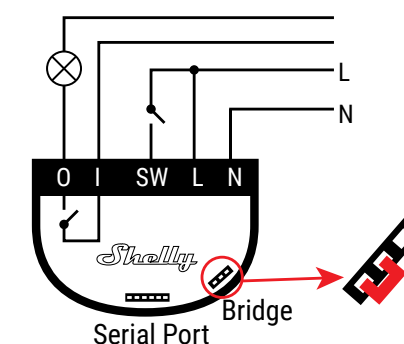
Power supply: 12V; 24-60V DC
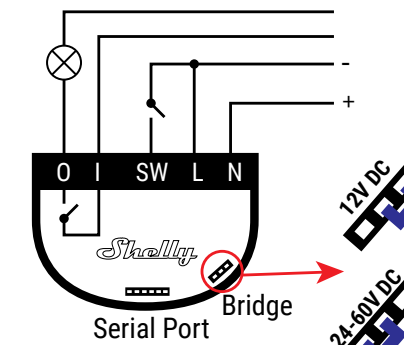
LEGEND:
N - Neutral input (Zero)/(+)
L - Line input (110-230V)/(-)
O - Output
I - Input
SW - Switch (input) controlling O

The WiFi Relay Switch Shelly 1 may control an electrical circuit up to 3.5 kW. 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® 3EM

PROFESSIONAL 3-PHASE ENERGY METER

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
√ Anti energy theft protection

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 110-230V ±10, 50/60Hz AC

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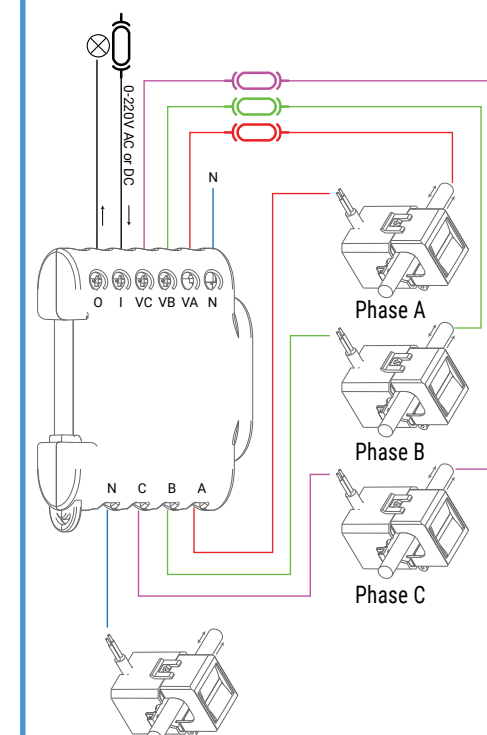
Weekly schedules
Choose a time and create custom daily schedules for your Shelly 3EM.

TECHNICAL SPECIFICATIONS

Power supply	110-230V ±10, 50/60Hz AC
Power metering	3 channels, up to 12A each
Consumption history	365 days built-in energy history (Wh)
Contactor control	Maximum load 10A
Complies with EU standards:	• RE Directive 2014/53/EU • LVD 2014/35/EU • EMC 2004/108/WE • RoHS2 2011/65/UE
Working temperature	-40°C ÷ 40°C
Radio signal power:	1mW
Wireless/WiFi Protocol	802.11 b/g/n (2.4 GHz)
Frequency:	2400 – 2500 MHz
Operational range (depending on local construction):	• up to 50 m outdoors • up to 30 m indoors
Dimensions (HxWxL):	39 x 36 x 17 mm
Electrical consumption:	< 1 W
Additional features	• Overpower shutdown • Consumption limit

Phase N - optional and allows for detect theft or energy leakage.

Shelly® EM

MEASURE AND CONTROL UP TO 2X120A

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

MEASUREMENTS

√ 2x Consumption(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 energy consumption in real time in 2 points simultaneously (up to 120A 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	110-230V ±10, 50/60Hz AC
Power metering	Two channels, up to 12A each
Consumption history	365 days built-in energy history (Wh)
Contactor control	Maximum load: 2A / 230V 50/60Hz.
Complies with EU standards:	• RE Directive 2014/53/EU • LVD 2014/35/EU • EMC 2004/108/WE • RoHS2 2011/65/UE
Working temperature	-40°C ÷ 40°C
Radio signal power:	1mW
Wireless/WiFi Protocol	802.11 b/g/n (2.4 GHz)
Frequency:	2400 – 2500 MHz
Operational range (depending on local construction):	• up to 50 m outdoors • up to 30 m indoors
Dimensions (HxWxL):	39 x 36 x 17 mm
Electrical consumption:	< 1 W
Additional features	• Overpower shutdown • Consumption limit

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® PLUG S

## SMALLEST 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 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 2500W
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 110-230V,50/60Hz AC
Max load	12A / 230V, 50/60Hz
Complies with EU standards:	RE Directive 2014/53/EU • LVD 2014/35/EU • EMC 2004/108/WE • RoHS2 2011/65/UE
Working temperature:	-20°C ÷ 40°C
Radio signal power	1mW
Wireless/WiFi Protocol	802.11 b/g/n (2.4 GHz)
Frequency	2400 – 2500 MHz
Operational range (depending on local construction):	• up to 50 m outdoors • up to 30 m indoors
Dimensions (HxWxL)	70 x 44 x 44 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
SAR	1.15 W/Kg

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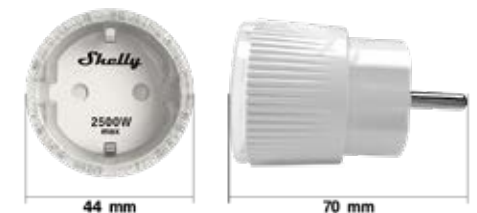
Easy installation
1.Plug Shelly in to your existing power socket.
2.Take your smartphone and add the Plug to Shelly Cloud application.
3.Connect your home appliances and enjoy.

Shelly®PLUG

THE MOST INTELLIGENT WI-FI POWER OUTLET ON THE MARKET

Shelly Plug automatically monitor 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 110-230V,50/60Hz AC
Max load	16A / 230V per output
Complies with EU standards:	• RE Directive 2014/53/EU • LVD 2014/35/EU • EMC 2004/108/WE • RoHS2 2011/65/UE
Working temperature:	0°C ÷ 40°C
Radio signal power	1mW
Wireless/WiFi Protocol	802.11 b/g/n (2.4 GHz)
Frequency	2400 – 2500 MHz
Operational range (depending on local construction):	• up to 50 m outdoors • up to 30 m indoors
Dimensions (HxWxL)	98 x 56 x 35 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 WiFi 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® 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
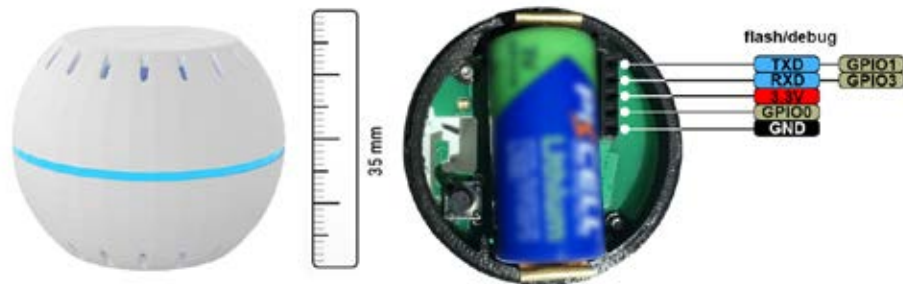
MONITOR HUMIDITY IN YOUR HOME

MONITOR TEMPERATURE IN YOUR HOME

PROTECT YOUR MOST IMPORTANT ITEMS

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

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 – 3V (**NOT** included)
Battery life	Up to 18 months
Electrical consumption:	• Static ≤70uA • Awake ≤250mA
Humidity measurement range:	0~100% (±5%)
Temperature measurement range:	-40°C ÷ 60 °C (± 1°C)
Working temperature:	-40°C ÷ 60°C
Radio signal power	1mW
Wireless/WiFi Protocol	802.11 b/g/n (2.4 GHz)
Frequency	2400 – 2500 MHz
Operational range (depending on local construction):	• 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 2004/108/WE • RoHS2 2011/65/UE

- **Shelly H&T** stores history for all temperatures and humidity in your home for years – day by day, hour by hour.
- 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

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

USE YOUR FLOOR HEATING, ONLY WHEN YOU NEED IT

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 ≤5uA • Awake ≤100mA • Alarm ≤120mA
Temperature measurement range	-20°C ~ 50°C (± 1°C)
Working temperature:	-40°C ÷ 60°C
Radio signal power	1mW
Wireless/WiFi Protocol	802.11 b/g/n (2.4 GHz)
Frequency	2400 – 2500 MHz
Operational range (depending on local construction):	• 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 2004/108/WE • RoHS2 2011/65/UE

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 device wherever you wish

Shelly® RGBW2

WIFI 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 110–220V AC to 12-24V DC

SHELLY RGBW2

Connect Shelly RGBW2 to the power transformer

LED STRIPS AND/OR BULBS

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

Wi-Fi CONTROL

You have full control from your mobile device

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: 4xWhite strips or 4x12/24v led bulbs
Interface	Reset button, AC 230V switch input
AC switch	On/OFF and Dimming function
WiFi Parameters and Features	
WiFi work mode	STA/AP/STA+AP/Smart Config
Security Specialty	None,WEP,WPA-PSK,WPA2-PSK (TKIP/AES)
WiFi Standard	IEEE 802.11b/g/n
WiFi Power	802.11b (CCK) 11Mbps: 20+/-1.5dBm
	802.11g (OFDM) 54Mbps: 15.5+/-1.5dBm
	802.11n(HT20@MCS7) 72.2Mbps: 14.5+/-1.5dBm
Frequency	2.4GHz-2.5GHz (2400M-2483.5M)
Antenna	Embedded
Power Input/output	
DC Power Input	12-24V
DC Power Output 12V	144W - combined power; 45W - per channel
DC Power Output 24V	288W - combined power; 90W - per channel
Standby Current	≤50mA
Work environment	
Working temperature	-10°C ÷ 50°C
Work humidity	5% to 95% (No condensing)
WiFi Range	Indoor: 35m, Outdoor: 60m (depending on the environment)
Dimensions (HxWxL)	43x38x14 mm

- Focus on 8~36W 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
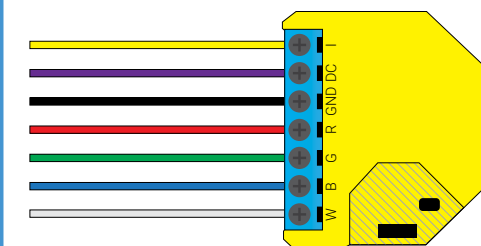
LEGEND:
- ● AC or DC on/off/dimming switch
- ● + 12/24V DC
- ● – 12/24V DC
- ● Red Light
- ● Green Light
- ● Blue Light
- ○ White Light

![Shelly® Vintage]

SMART DIMMABLE VINTAGE BULB

Shelly Vintage – Wi-Fi on board, Cloud and MQTT enabled, dimmable, voice control, smart Wake-up and Night mode

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 / A19 [1]	ST64 / ST21 [1]	G126 / G40 [1]
Power supply	7W		4W
Socket	E27 / E26 [2]		
Power Rating	PF > 0.5		
Brightness	750lm		260lm
Color Temperature	2700K		
Working temperature	-10°C~+40°C		
Beam Angle	360°		
Complies with EU standards	RE Directive 2014/53/EU LVD 2014/35/EU EMC 2004/108/WE RoHS2 2011/65/UE		
Radio signal power	1mW		
Radio protocol	WiFi 802.11 b/g/n		
Frequency	2400 – 2500 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		

[1] The The A19, ST21 and G40 are **US** equivalent of A60, ST64 and G125
[2] Socket for A19, ST21 and G40

Shelly® DUO

SMART DIMMABLE VINTAGE BULB

Shelly Duo – Wi-Fi on board, Cloud and MQTT enabled, dimmable, voice control, smart Wake-up and Night mode. You can pick a color temperature between **2700K** and **6500K**.

COLOR TEMPERATURE GUIDE

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

	Shelly DUO	Shelly DUO GU10
Power supply	110-230V ±10% 50/60Hz AC	
Socket	E27	GU10
Power Rating	• RGB: 6W • Warm White: 9W	4.8W
Brightness	• Red: 220-244 LM • Green: 200-220 LM • Blue: 200-220 LM • Warm White: 750-800 LM	Warm White: 475 LM
Color Temperature	3000K-6500K	2700K - 6500K
Working temperature	-25°C ÷ 55°C	-10°C ÷ 40°C
Beam Angle	270°	
Complies with EU standards	RE Directive 2014/53/EU • LVD 2014/35/EU • EMC 2004/108/WE • RoHS2 2011/65/UE	
Radio signal power	1mW	
Radio protocol	WiFi 802.11 b/g/n	
Frequency	2400 – 2500 MHz	
Operational range (depending on local construction)	• up to 15 m outdoors • up to 8 m indoors	
Dimensions	117 x 67 x 42 mm	50 x 73mm
Electrical consumption:	< 1 W	
SAR	1.10 W/Kg	

Shelly®BULB

THE SMART WIFI RGB+W BULB

Control and adjust the brightness and color of your light depending on your mood using the free **Shelly Cloud** application. Connect Shelly Bulb directly to your Wi-Fi at home, play with the light and choose from 16 million colors to match the light to your mood.

FOLLOW THE SUN

THE PARTY WILL BE COLOR ENDLESS

TRICK THE THIEF WITH SHELLY BULB

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

Power supply	110-230V ±10% 50/60Hz AC
Socket	E27
Power Rating	• RGB: 6W • Warm White: 9W
Brightness	• Red: 220-244 LM • Green: 200-220 LM • Blue: 200-220 LM • Warm White: 750-800 LM
Color Temperature	3000K-6500K
Working temperature	-25°C ÷ 55°C
Beam Angle	270°
Complies with EU standards	RE Directive 2014/53/EU • LVD 2014/35/EU • EMC 2004/108/WE • RoHS2 2011/65/UE
Radio signal power	1mW
Radio protocol	WiFi 802.11 b/g/n
Frequency	2400 – 2500 MHz
Operational range (depending on local construction)	• up to 15 m outdoors • up to 8 m indoors
Dimensions	117 x 67 x 42 mm
Electrical consumption:	< 1 W
SAR	1.10 W/Kg

The Shelly Smart WiFi RGB+W Bulb is intended to be installed into a standard light socket (E27) in order to control the color and to dim the light.Shelly may work as a standalone device or as an accessory to a home automation controller.
• Control through WiFi from a mobile phone, tablet, PC, automation system or any other device supporting HTTP and/or UDP protocol.
• Microprocessor management.
• Controlled elements: multiple white and color (RGB) LED diods.
• Shelly may be controlled by an external switch.

EASY INSTALLATION

Remove the old boring bulb and place Shelly Bulb in the light socket.

Download the Shelly Cloud application and add your Shelly Bulb.

Choose your color and brightness!

You can turn on/off your Shelly Bulb

Shelly smoke

THE MOST INNOVATIVE WI-FI SMOKE DETECTOR AND TEMPERATURE SENSOR

Shelly Smoke uses your home WiFi network, no additional controllers are needed

No additional controller
Shelly Smoke uses your home WiFi network, no additional controllers are needed.

Protect your home
Shelly Smoke will activate a Voice and Light alarm, and send you a notification when smoke is detected.

Temperature sensor
Shelly Smoke has an integrated Temperature sensor and will send you information about room temperature.

Wire free
Simply place it to the ceiling and feel safe for your home.

Free Cloud
All you need to manage your Shelly Smoke 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	3V DC - CR123A Lithium Battery
Battery Lifespan	up to 2 years
Sound alarm:	85dB (up to 3m)
Complies with EU standards:	RE Directive 2014/53/EU LVD 2014/35/EU EMC 2004/108/WE RoHS2 2011/65/UE
Working temperature:	-10 ÷ 50°C
Radio signal power:	1mW
Radio protocol:	WiFi 802.11 b/g/n
Frequency:	2400 – 2500 MHz;
Operational range (depending on local construction):	up to 50 m outdoors up to 30 m indoors
Dimensions:	60 x 60 x 50 mm
Electrical consumption:	Static current: ≤10 µA Alarm current: ≤60 mA

Mobile Notifications
When danger is detected, Shelly Smoke automatically starts the alarm and sends a notification to your mobile device. You are informed about everything, wherever you are.

System integration with other Shelly Devices
• Send command to Shelly 2,5 opening all doors
• Ventilation system is activated
• All electric devices are switched OFF
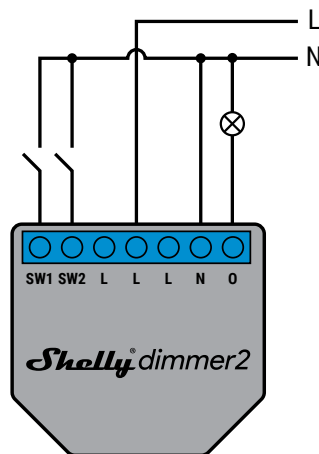• All the lights are switched ON

Shelly® dimmer2

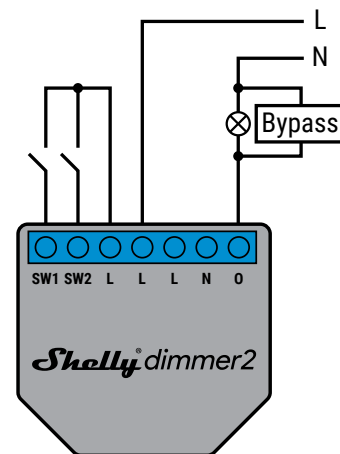## CREATE THE PERFECT HOME ATMOSPHERE THAT SUITS YOUR MOOD

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 WiFi 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	110-230V ±10%, 50/60Hz
Can work without neutral line	Yes
Complies with EU standards:	RE Directive 2014/53/EU LVD 2014/35/EU EMC 2004/108/WE RoHS2 2011/65/UE
Working temperature:	0 ÷ 35°C
Radio signal power:	1mW
Radio protocol:	WiFi 802.11 b/g/n
Frequency:	2400 – 2500 MHz;
Operational range (depending on local construction):	up to 50 m outdoors up to 30 m indoors
Dimensions:	42mm x 36mm x 14 mm
Electrical consumption:	< 1 W

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

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 WiFi 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 WiFi 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 3V DC - CR123A Batteries
Battery Lifespan	up to 18 months
Complies with EU standards:	RE Directive 2014/53/EU LVD 2014/35/EU EMC 2004/108/WE RoHS2 2011/65/UE
Working temperature:	-10 ÷ 50°C
Radio signal power:	1mW
Radio protocol:	WiFi 802.11 b/g/n
Frequency:	2400 – 2500 MHz;
Operational range (depending on local construction):	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

Door/window is opened

230LUX is detected

Light ON
via REST HTTP/MQTT/CoAP/Cloud

Shelly® GAS

SMART WIFI GAS DETECTOR FOR NATURAL GAS

Many home appliances are dependent on natural gas, but not many homes have sensory detection for gas leaks, which can be dangerous. Shelly GAS is a Natural Gas detector that can help 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.
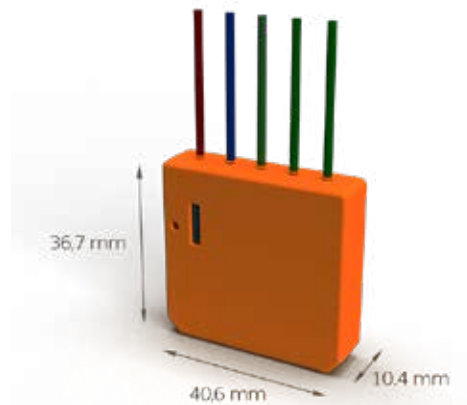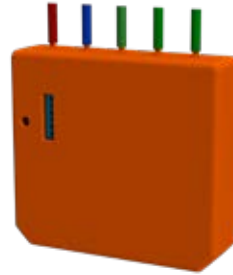
INTERCHANGEABLE PLUG

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

No additional controller
Shelly GAS sensor uses your home WiFi network, no additional controllers are needed.

Gas sensor
A smart gas sensor that can detect Natural Gas 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

Battery life up to 2 years
Feel more comfortable with the long-lasting battery life

TECHNICAL SPECIFICATIONS

Power Supply	110-230V ±10%, 50/60Hz
Alarm indicator	LED Flash & Sound
Alarm sensitivity	6% LEL
Valve manipulator jack output	11-13V, 500mA
Sound level	≥70dB
Gas detector	Natural gas
Complies with EU standards:	RE Directive 2014/53/EU LVD 2014/35/EU EMC 2004/108/WE RoHS2 2011/65/UE
Working temperature:	-10 ÷ 50°C
Radio signal power:	1mW
Radio protocol:	WiFi 802.11 b/g/n
Frequency:	2400 – 2500 MHz;
Operational range (depending on local construction):	up to 50 m outdoors up to 30 m indoors
Dimensions:	89.5 mm x 89.5 mm x 38 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® i3

WIFI ACTION AND SCENES ACTIVATION DEVICE

Shelly i3 has no relays but is small enough to be installed virtually anywhere and shows the status of 3 inputs. The device is in one of the switches and can command other connected Shelly relays, sensors, or HTTP, MQTT or CoAP controlled devices. Opportunities are endless through discrete commands on the home network or scenes in the cloud.

SIZE MATTERS

Shelly i3 is smaller and thinner than a Shelly 1 relay. It can fit under any wall switch or tight place. The device can be placed anywhere you want, and its whole power is less than 15.5 sm².

No additional controller
Shelly i3 uses your home WiFi network, no additional controllers are needed.

Multi-click support
Up to 24 possible actions. Control the lights, shut the blinds and open the door. Run any Shelly device and scenes you desire.

3 AC inputs
Shelly i3 has three inputs for every situation. You can create scenes in the Shelly Cloud app and command them all.

Free Cloud
All you need to manage your Shelly devices is a smartphone and the Shelly Cloud application.

Support 100-240V~ 50/60Hz
Shelly i3 is compatible with all major international voltage standards.

Complex scenes control
With Shelly i3 you can run synchronized actions of several Shelly devices. With one push you can have the lighting in the whole house turned on/off.

TECHNICAL SPECIFICATIONS

Power Supply	• 110-240V ±10% 50/60Hz AC • 24-60V DC
Complex scenes control	Activate or deactivate synchronized actions of several Shelly devices
Complies with EU standards:	RE Directive 2014/53/EU LVD 2014/35/EU EMC 2004/108/WE RoHS2 2011/65/UE
Working temperature:	-40 ÷ 40°C
Radio signal power:	1mW
Radio protocol:	WiFi 802.11 b/g/n
Frequency:	2400 − 2500 MHz;
Operational range (depending on local construction):	up to 50 m outdoors up to 30 m indoors
Dimensions:	40mm x 36mm x 10mm
Electrical consumption:	< 1mW

Multi-actons support

Shelly i3 supports up to 8 different actions per button. They can control different devices directly or through cloud scenes. One-click can turn on/off the light, and two clicks can turn on/off the fan, a long push of the switch button can trigger a whole scene. Possibilities are countless.

- button on
- button off
- short push
- long push
- 2x short push
- 3x short push
- short + long
- long + short

**Power supply
110-240V AC**

**Power supply
24-60V DC**

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.

RAIN IS NOT AN ISSUE

Shelly Button is IPX5 certified. The device can't be soaked in water, but humidity and rain are not an problem. No matter the weather conditions, you can use your Shelly Button1 wherever you want.

No additional controller
Shelly Button 1 uses your home WiFi network, no additional controllers are needed.

Built-in Battery
Powered by rechargeable batteries, allowing for more than 3000 actions per charge.

Color hints
A different color response indication for different situations.

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 3V DC - CR123A Batteries or micro USB 5V
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 2004/108/WE RoHS2 2011/65/UE
Working temperature:	-40 ÷ 40°C
Radio signal power:	1mW
Radio protocol:	WiFi 802.11 b/g/n
Frequency:	2400 – 2500 MHz;
Operational range (depending on local construction):	up to 50 m outdoors up to 30 m indoors
Dimensions:	45mm x 45mm x 16mm

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

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 supply

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

Split core current transformer

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

Temperature sensor add-on
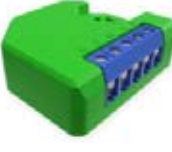
Add-on for your Shelly 1 or Shelly 1PM.

SHELLY ONLINE SHOP

Find our latest products and promotions at our shop **https://shop.shelly.cloud/**

MAKE iOT SIMPLE