PRODUCT CATALOGUE

Shelly

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

Every device has:
› Embedded Web server
› Wi-Fi control and connectivity
› Control through REST, CoAP, and MQTT.

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 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, activate scenarios, manage the various appliances and interact with your home remotely, simply using your smartphone or tablet.

Multiple integrations

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. Some of them are - Home Assistant, iBroker, Domoticz, openHAB.

Shelly Cloud is our own cloud service and data storage - the easy way to manage 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 and more.

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

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

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**TECHNICAL SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power supply</td>
<td>• 110-240V ±10% 50/60Hz AC</td>
</tr>
<tr>
<td></td>
<td>• 24-60V DC</td>
</tr>
<tr>
<td></td>
<td>• 12V DC</td>
</tr>
<tr>
<td>Max load per channel</td>
<td>16A</td>
</tr>
<tr>
<td>Complies with EU standards:</td>
<td>• RE Directive 2014/53/EU</td>
</tr>
<tr>
<td></td>
<td>• LVD 2014/55/EU</td>
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<td></td>
<td>• EMC 2004/108/WE</td>
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<tr>
<td></td>
<td>• RoHS2 2011/65/UE</td>
</tr>
<tr>
<td>Working temperature</td>
<td>-40°C ÷ +40°C</td>
</tr>
<tr>
<td>Radio signal power</td>
<td>1mW</td>
</tr>
<tr>
<td>Wireless/WiFi Protocol</td>
<td>802.11 b/g/n (2.4 GHz)</td>
</tr>
<tr>
<td>Frequency</td>
<td>2400 - 2484 MHz</td>
</tr>
<tr>
<td>Operational range (depending on local construction)</td>
<td>• up to 50 m outdoors</td>
</tr>
<tr>
<td></td>
<td>• up to 30 m indoors</td>
</tr>
<tr>
<td>Dimensions (HxWxL)</td>
<td>41x36x17 mm</td>
</tr>
<tr>
<td>Electrical consumption</td>
<td>&lt; 1 W</td>
</tr>
</tbody>
</table>

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**Legend:**
- 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 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.

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:

**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 - 2484 MHz

**Operational range (depending on local construction)**
- up to 50 m outdoors
- up to 30 m indoors

**Dimensions (HxWxL)**
41x36x17 mm

**Electrical consumption**
< 1 W
**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.

**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.

**TECHNICAL SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Power supply</th>
<th>Shelly 2.5 is compatible with all major international voltage standards 110-230V ±10% 50/60Hz AC</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 Channels</td>
<td>Maximum load current per output: 10A/230V, 50/60Hz. You can control a wide range of home appliances and office equipment.</td>
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<tr>
<td>Complies with EU</td>
<td>• RE Directive 2014/53/EU</td>
</tr>
<tr>
<td>standards</td>
<td>• LVD 2014/35/EU</td>
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</tr>
<tr>
<td>Wireless/WiFi Protocol</td>
<td>WiFi 802.11 b/g/n</td>
</tr>
<tr>
<td></td>
<td>Shelly 2.5 can connect to any Wi-Fi network or can operate as an Access Point</td>
</tr>
<tr>
<td>Frequency</td>
<td>2400 - 2484 MHz</td>
</tr>
<tr>
<td>Operational range</td>
<td>• up to 50 m outdoors</td>
</tr>
<tr>
<td></td>
<td>• up to 30 m indoors</td>
</tr>
<tr>
<td>Dimensions (HxWxL)</td>
<td>39x36x17 mm</td>
</tr>
<tr>
<td>Electrical consumption</td>
<td>&lt; 1 W</td>
</tr>
</tbody>
</table>

**LEGEND:**
- N - Neutral input (110-230V AC); + Positive input (24-60V DC)
- L - Line input (110-230V AC); - Negative input (24-60V DC)
- 01 - Output 1;
- 02 - Output 2;
- SW1 - Switch 1 (input controlling 01);
- SW2 - Switch 2 (input controlling 02)
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 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 - 2484 MHz;
- **Operational range (depending on local construction)**:
  - up to 50 m outdoors
  - up to 30 m indoors
- **Dimensions**: 42x36x14 mm
- **Electrical consumption**: < 1 W

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.

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.
**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.

**TECHNICAL SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Interfaces</th>
<th>Output interface</th>
<th>4 ways PWM: R/G/B/W 3 ways PWM: R/G/B 4 ways PWM: 4xWhite strips or 4x12/24v led bulbs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reset button</td>
<td>Interface</td>
<td>AC 230V switch input</td>
</tr>
<tr>
<td>AC switch</td>
<td>WiFi Parameters and Features</td>
<td>On/OFF and Dimming function</td>
</tr>
</tbody>
</table>

- **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 drop-light, 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**

**POWER ON**

- **Wireless**: No HUB required – Connect Shelly RGBW2 directly to your Wi-Fi at home.
- **Weekly Schedules**: Choose a time and set your hidden lighting to turn on/off or change color.
- **Sunrise/Sunset Schedules**: Shelly RGBW2 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.
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
√ Non 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 Shelly 1L 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.

TECHNICAL SPECIFICATIONS

- **Power supply**
  - 110-230V ±10%, 50/60Hz

- **Power supply DC**
  - No

- **Device temperature protection**
  - Yes

- **Complies with EU standards:**
  - RE Directive 2014/53/EU
  - LVD 2014/35/EU
  - EMC 2004/108/WE
  - RoHS2 2011/65/UE

- **Working without a neutral line**
  - Yes

- **Channels**
  - Channel

- **Maximum load**
  - 4.1A (5A for short operation)

- **Minimum load – no neutral connected, without bypass**
  - 20W resistive load

- **Operational temperature**
  - -20°C ÷ 40°C

- **Device power consumption**
  - 1W

- **Wireless/WIFI Protocol**
  - 802.11 b/g/n (2.4 GHz)

- **Frequency**
  - 2400 - 2484 MHz

- **Radio signal power**
  - 1mW

- **Operational range (depending on local construction)**
  - up to 50 m outdoors
  - up to 30 m indoors

- **Dimensions (HxWxL)**
  - 39x36x17 mm

THE BEST RETROFIT DEVICE EVER MADE
No electrical 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.

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**LEGEND:**
- **N** - Neutral Input
- **L** - Line input (110-240V)
- **O** - Output
- **SW1** - Switch 1
- **SW2** - Switch 2
- **SX** - signal for Switch

* When using the device without neutral, Shelly 1L requires at least 20W 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!
MEASUREMENTS

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

ADDITIONAL FEATURES

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

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

TECHNICAL SPECIFICATIONS

- Power supply: 110-230V ±10, 50/60Hz AC
- Power metering: Two channels, up to 120A 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 - 2484 MHz
- Operational range (depending on local construction): up to 50 m outdoors, up to 30 m indoors
- Dimensions (HxWxL): 39x36x17 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.
**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.

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<tr>
<td><strong>Power metering</strong></td>
<td>3 channels, up to 120A each</td>
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<tr>
<td><strong>Consumption history</strong></td>
<td>365 days built-in energy history (Wh)</td>
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<tr>
<td><strong>Contactor control</strong></td>
<td>Maximum load 10A</td>
</tr>
<tr>
<td><strong>Complies with EU standards</strong></td>
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<td><strong>Operational range</strong></td>
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<td></td>
<td>• up to 30 m indoors</td>
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<tr>
<td><strong>Dimensions</strong></td>
<td>73x57x22 mm</td>
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<tr>
<td><strong>Electrical consumption</strong></td>
<td>&lt; 1 W</td>
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<tr>
<td><strong>Additional features</strong></td>
<td>• Overpower shutdown</td>
</tr>
<tr>
<td></td>
<td>• Consumption limit</td>
</tr>
</tbody>
</table>

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**PROFESSIONAL 3-PHASE ENERGY METER**

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

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.

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 - 2484 MHz; |
| Operational range      | • up to 50 m outdoors  
| (depending on local construction) | • up to 30 m indoors |
| Dimensions             | 40x36x10 mm |
| 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
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 2.2-36V DC and 12-24V AC.

Potential Free Outputs
2 potential free outputs (dry contacts), up to 36V DC or 24V AC, providing the ability to switch a different voltage than the device's power supply.

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 cube, the transparent insulation cover over the chip protects it from high humidity, dust, and the threat of short circuits during its long working hours.

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.

**TECHNICAL SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power supply</td>
<td>12V – 24V AC, 12V – 36V DC</td>
</tr>
<tr>
<td>Inputs</td>
<td>2 Separated digital inputs from 2.2-36V DC and 12-24V AC</td>
</tr>
<tr>
<td>Outputs</td>
<td>2 Potential free outputs up to 36V DC and 24V AC, max 100 mA each</td>
</tr>
<tr>
<td>Power measurement</td>
<td>1 ADC – dual ranges from 0-12V and 12-30V</td>
</tr>
<tr>
<td>Channels</td>
<td>2</td>
</tr>
<tr>
<td>Working temperature</td>
<td>-40°C + 40°C</td>
</tr>
<tr>
<td>Power consumption</td>
<td>&lt; 1W</td>
</tr>
</tbody>
</table>
| 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 - 2484 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 cover over the chip protects it from high humidity, dust, and the threat of short circuits
- Designed to fit in most standard electrical boxes and switches.
- It can be integrated to work 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.
**THE MOST INTELLIGENT WI-FI POWER OUTLET ON THE MARKET**

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

**TECHNICAL SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power supply</td>
<td>Input 110-230V, 50/60Hz AC</td>
</tr>
<tr>
<td>Max load</td>
<td>16A / 230V per output</td>
</tr>
<tr>
<td>Complies with EU standards</td>
<td>• RE Directive 2014/53/EU</td>
</tr>
<tr>
<td></td>
<td>• LVD 2014/35/EU</td>
</tr>
<tr>
<td></td>
<td>• EMC 2004/108/WE</td>
</tr>
<tr>
<td></td>
<td>• RoHS2 2011/65/UE</td>
</tr>
<tr>
<td>Working temperature</td>
<td>0°C + 40°C</td>
</tr>
<tr>
<td>Radio signal power</td>
<td>1mW</td>
</tr>
<tr>
<td>Wireless/WiFi Protocol</td>
<td>802.11b/g/n (2.4 GHz)</td>
</tr>
<tr>
<td>Frequency</td>
<td>2400 – 2484 MHz</td>
</tr>
<tr>
<td>Operational range</td>
<td>• up to 50 m outdoors</td>
</tr>
<tr>
<td></td>
<td>• up to 30 m indoors</td>
</tr>
<tr>
<td>Dimensions (HxWxL)</td>
<td>98x56x35 mm</td>
</tr>
<tr>
<td>Processor (CPU)</td>
<td>Texas Instruments CC3200</td>
</tr>
<tr>
<td>Remote Control</td>
<td>Through mobile app &amp; web interface</td>
</tr>
<tr>
<td>Compatibility</td>
<td>Android (4.2+) &amp; iOS (8+), web browsers</td>
</tr>
<tr>
<td>Languages</td>
<td>Multiple through mobile app &amp; web interface</td>
</tr>
<tr>
<td>Electrical consumption</td>
<td>&lt; 1 W</td>
</tr>
</tbody>
</table>

**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 a wide range of devices and appliances.

**Highly compatible**

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

**With SHELLY PLUG YOU CAN CONTROL ANY DEVICE AT YOUR HOME FROM ANYWHERE**

**SHELLY PLUG SAVES YOU ENERGY AND MONEY**

**THE MOST INTELLIGENT WI-FI POWER OUTLET ON THE MARKET**

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.

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<tr>
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<td></td>
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<tr>
<td></td>
<td>• EMC 2004/108/WE</td>
</tr>
<tr>
<td></td>
<td>• RoHS2 2011/65/UE</td>
</tr>
<tr>
<td>Working temperature</td>
<td>0°C + 40°C</td>
</tr>
<tr>
<td>Radio signal power</td>
<td>1mW</td>
</tr>
<tr>
<td>Wireless/WiFi Protocol</td>
<td>802.11b/g/n (2.4 GHz)</td>
</tr>
<tr>
<td>Frequency</td>
<td>2400 – 2484 MHz</td>
</tr>
<tr>
<td>Operational range</td>
<td>• up to 50 m outdoors</td>
</tr>
<tr>
<td></td>
<td>• up to 30 m indoors</td>
</tr>
<tr>
<td>Dimensions (HxWxL)</td>
<td>98x56x35 mm</td>
</tr>
<tr>
<td>Processor (CPU)</td>
<td>Texas Instruments CC3200</td>
</tr>
<tr>
<td>Remote Control</td>
<td>Through mobile app &amp; web interface</td>
</tr>
<tr>
<td>Compatibility</td>
<td>Android (4.2+) &amp; iOS (8+), web browsers</td>
</tr>
<tr>
<td>Languages</td>
<td>Multiple through mobile app &amp; web interface</td>
</tr>
<tr>
<td>Electrical consumption</td>
<td>&lt; 1 W</td>
</tr>
</tbody>
</table>
**Shelly Plug S**

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.

**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**

<table>
<thead>
<tr>
<th>Description</th>
<th>Specification</th>
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<tbody>
<tr>
<td><strong>Power supply</strong></td>
<td>Input 110-230V,50/60Hz AC</td>
</tr>
<tr>
<td><strong>Max load</strong></td>
<td>12A / 230V, 50/60Hz</td>
</tr>
<tr>
<td><strong>Complies with EU standards:</strong></td>
<td>• RE Directive 2014/53/EU</td>
</tr>
<tr>
<td></td>
<td>• LVD 2014/35/EU</td>
</tr>
<tr>
<td></td>
<td>• EMC 2004/108/WE</td>
</tr>
<tr>
<td></td>
<td>• RoHS2 2011/65/UE</td>
</tr>
<tr>
<td><strong>Working temperature</strong></td>
<td>-20°C + 40°C</td>
</tr>
<tr>
<td><strong>Radio signal power</strong></td>
<td>1mW</td>
</tr>
<tr>
<td><strong>Wireless/WiFi Protocol</strong></td>
<td>802.11 b/g/n (2.4 GHz)</td>
</tr>
<tr>
<td><strong>Frequency</strong></td>
<td>2400 - 2484 MHz</td>
</tr>
<tr>
<td><strong>Operational range</strong> (depending on local construction)</td>
<td>• up to 50 m outdoors</td>
</tr>
<tr>
<td></td>
<td>• up to 30 m indoors</td>
</tr>
<tr>
<td><strong>Dimensions (HxWxL)</strong></td>
<td>70x44x44 mm</td>
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<tr>
<td><strong>Processor (CPU)</strong></td>
<td>Texas Instruments CC3200</td>
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<tr>
<td><strong>Remote Control</strong></td>
<td>Through mobile app &amp; web interface</td>
</tr>
<tr>
<td><strong>Compatibility</strong></td>
<td>Android (4.2+) &amp; iOS (8+) , web browsers</td>
</tr>
<tr>
<td><strong>Languages</strong></td>
<td>Multiple through mobile app &amp; web interface</td>
</tr>
<tr>
<td><strong>SAR</strong></td>
<td>1.15 W/Kg</td>
</tr>
</tbody>
</table>

---

**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.

---

**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.
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 Button 1 is Cloud connected but can also be connected via MQTT, CoAP, REST API.

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

TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Power Supply</th>
<th>Two 3V DC - CR123A Batteries or micro USB 5V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battery Lifespan</td>
<td>3000 actions per charge</td>
</tr>
<tr>
<td>Complex scenes control</td>
<td>Activate or deactivate synchronized actions of several Shelly devices</td>
</tr>
<tr>
<td>Dimming</td>
<td>Yes</td>
</tr>
</tbody>
</table>
| 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 - 2484 MHz;                            |
| Operational range     | up to 50 m outdoors                         |
| (depending on local construction) |  up to 30 m indoors                        |
| Dimensions            | 45x45x16 mm                                 |

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 issue. No matter the weather conditions, you can use your Shelly Button 1 wherever you want.

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

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
Wi-Fi operated
Connect Shelly Motion 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.

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.

COMPATIBLE WITH OTHER DEVICES
Reveal the full potential of Shelly Motion by combining it with other devices from your home network! Set Shelly Motion to activate custom scenes based on hour, light, or various actions.

LIGHTING CONTROL
Combine Shelly lighting control devices with Shelly Motion 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 Motion smart scheduling option to turn on the lights very dimly at late hours. That way it will not irritate you eyes or wake your loved ones.

CUSTOM ACTIONS
Create the perfect morning routine! Shelly Motion can trigger other smart devices in your home network and customize the actions based on your needs. The moment you wake up, Motion sensor can trigger your rolling blinds to open and turn on the kettle for your morning tea.

ALWAYS CONNECTED WI-FI MOTION SENSOR WITH OVER 1 YEAR OF BATTERY LIFE
SHELLY MOTION

A new generation Motion Sensor powered by Silicon Labs Wi-Fi IoT solutions, Shelly Motion is equipped with the lowest power consuming Wi-Fi modem in mass production in the world.

TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
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<tbody>
<tr>
<td>Battery</td>
<td>6500mAh 3.7V</td>
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<td>Battery life</td>
<td>12 - 36 months</td>
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<td>Complies with EU</td>
<td>• RE Directive 2014/53/EU</td>
</tr>
<tr>
<td></td>
<td>• LVD 2014/35/EU</td>
</tr>
<tr>
<td></td>
<td>• EMC 2004/108/WE</td>
</tr>
<tr>
<td></td>
<td>• RoHS2 2011/65/UE</td>
</tr>
<tr>
<td>Working temperature</td>
<td>-10°C + 50°C</td>
</tr>
<tr>
<td>Radio signal power</td>
<td>1mW</td>
</tr>
<tr>
<td>Wireless/WiFi Protocol</td>
<td>802.11 b/g/n (2.4 GHz)</td>
</tr>
<tr>
<td>Frequency</td>
<td>2400 - 2500 MHz</td>
</tr>
<tr>
<td>Operational range</td>
<td>• up to 50 m outdoors</td>
</tr>
<tr>
<td></td>
<td>• up to 30 m indoors</td>
</tr>
<tr>
<td>Dimensions (HxWxL)</td>
<td>85x59x36 mm</td>
</tr>
<tr>
<td>Remote Control</td>
<td>Through mobile app &amp; web interface</td>
</tr>
<tr>
<td>Compatibility</td>
<td>Android (4.2+) &amp; iOS (8+), web browsers</td>
</tr>
<tr>
<td>Languages</td>
<td>Multiple through mobile app &amp; web interface</td>
</tr>
</tbody>
</table>

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 Motion’s sensitivity levels through the app wherever you are.

NO HUB REQUIRED
Shelly Motion can be controlled directly and without a hub through your smartphone. This way you can monitor and control your home, set scenes and adjust setting wherever you are!

Shelly Motion is high sensitive ultra-low power WiFi Motion sensor which is connected to internet 24/7 and do not need additional HUB to be used. Shelly Motion can detect and send a notification if it detects movement or turns on your lights instantly. The built-in acylserometer serves as a protection when someone tries to remove or move the device, and the built-in light sensor gives additional opportunities for automation of your home or office. Shelly Motion has a built-in 6500mAh battery that allows it to be connected to the Internet for up to 3 years without recharging, and in active transmission between 12 and 18 months.
**Shelly H&T**

**MONITOR HUMIDITY IN YOUR HOME**

- **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.

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

- **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.

**MONITOR THE TEMPERATURE IN YOUR FRIDGE OR COOLER.**

- **Humidity Monitor**
  - Avoid dryness and conditions for mold growth.

**WI-FI HUMIDITY & TEMPERATURE SENSOR**

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

**TECHNICAL SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battery</td>
<td>CR123A – 3V (NOT included)</td>
</tr>
<tr>
<td>Battery life</td>
<td>Up to 18 months</td>
</tr>
<tr>
<td>Electrical consumption:</td>
<td>• Static ≤70uA</td>
</tr>
<tr>
<td></td>
<td>• Awake ≤250mA</td>
</tr>
<tr>
<td>Humidity measurement range</td>
<td>0~100% (±5%)</td>
</tr>
<tr>
<td>Temperature measurement range</td>
<td>-40°C + 60 °C (± 1°C)</td>
</tr>
<tr>
<td>Working temperature</td>
<td>-40°C + 60°C</td>
</tr>
<tr>
<td>Radio signal power</td>
<td>1mW</td>
</tr>
<tr>
<td>Wireless/WiFi Protocol</td>
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</tr>
<tr>
<td>Frequency</td>
<td>2400 - 2484 MHz</td>
</tr>
<tr>
<td>Operational range (depending on local construction)</td>
<td>• up to 50 m outdoors</td>
</tr>
<tr>
<td></td>
<td>• up to 30 m indoors</td>
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<tr>
<td>Dimensions (HxWxL)</td>
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<tr>
<td>Complies with EU standards:</td>
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</tr>
<tr>
<td></td>
<td>• RoHS2 2011/65/UE</td>
</tr>
</tbody>
</table>

- **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.**
INSTANT NOTIFICATIONS

- **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.

DETECTS LEAKAGE

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

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.

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<td>Battery life</td>
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<td>Electrical consumption</td>
<td>• Static ≤5uA</td>
</tr>
<tr>
<td></td>
<td>• Awake ≤100mA</td>
</tr>
<tr>
<td></td>
<td>• Alarm ≤120mA</td>
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<td>Temperature measurement range</td>
<td>-20°C ~ 50°C (+1°C)</td>
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<tr>
<td>Working temperature</td>
<td>-40°C ~ 60°C</td>
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<tr>
<td>Radio signal power</td>
<td>1mW</td>
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<tr>
<td>Wireless/WiFi Protocol</td>
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<tr>
<td>Operational range (depending on local construction)</td>
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<td></td>
<td>up to 10 m indoors</td>
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<td>Dimensions (HxWxL)</td>
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<tr>
<td></td>
<td>• RoHS2 2011/65/UE</td>
</tr>
</tbody>
</table>

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.

EASY INSTALLATION

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.
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.

A DOOR AND WINDOW SENSOR WITH LUX MEASUREMENT AND FAST RESPONSE
Shelly Door/Window 2 is designed to detect and report the opening and closing of doors and windows. Its compact and improved design allows it to be easily installed on any door or window, and because of its lightweight, the sensor is nearly invisible.

TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Power Supply</th>
<th>Two 3V DC - CR123A Batteries</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battery Lifespan</td>
<td>up to 18 months</td>
</tr>
<tr>
<td>Complies with EU</td>
<td></td>
</tr>
<tr>
<td>standards</td>
<td></td>
</tr>
<tr>
<td>• RE Directive 2014/53/EU</td>
<td></td>
</tr>
<tr>
<td>• LVD 2014/35/EU</td>
<td></td>
</tr>
<tr>
<td>• EMC 2004/108/WE</td>
<td></td>
</tr>
<tr>
<td>• RoHS2 2011/65/UE</td>
<td></td>
</tr>
<tr>
<td>Working temperature</td>
<td>-10 ÷ 50°C</td>
</tr>
<tr>
<td>Radio signal power</td>
<td>1mW</td>
</tr>
<tr>
<td>Radio protocol</td>
<td>WiFi 802.11 b/g/n</td>
</tr>
<tr>
<td>Frequency</td>
<td>2400 - 2484 MHz;</td>
</tr>
<tr>
<td>Operational range</td>
<td></td>
</tr>
<tr>
<td>(depending on local</td>
<td></td>
</tr>
<tr>
<td>construction)</td>
<td></td>
</tr>
<tr>
<td>• up to 50 m outdoors</td>
<td></td>
</tr>
<tr>
<td>• up to 30 m indoors</td>
<td></td>
</tr>
<tr>
<td>Dimensions</td>
<td>Sensor 82x23x20mm Magnet 52x16x13mm</td>
</tr>
<tr>
<td>Electrical consumption</td>
<td>Static current: ≤10 µA</td>
</tr>
<tr>
<td></td>
<td>Alarm current: ≤60 mA</td>
</tr>
</tbody>
</table>

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

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
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.

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.
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 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.

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

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**: LPG or CNG
- **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 - 2484 MHz;
- **Operational range (depending on local construction)**: • 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.

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

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

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.
THE SMART, PROFESSIONAL SOLUTION TO OPTIMISE AIR QUALITY AND CLIMATE

Why Shelly AIR

Improving air quality in offices, shops and public transport is essential as it can negatively impact society’s health. Shelly AIR is a long-lasting UV-C air purifier for professional use with filter and germicidal ultraviolet light that eliminates dust, pollen, allergens, viruses, bacteria, and other harmful pathogens. It provides usage time, filter, fan, and UV-C LED replacement reminders to handle any air quality problem.

Wi-Fi Connected
Connect Shelly AIR directly to a Wi-Fi network, without the need of any additional controller.

Anti-virus & bacteria technology
UV-C air purifier with filter and powerful UV-C LEDs. Eliminates over 95% of viruses and bacteria without the use of chemicals.

100% Safe
An air purifier that doesn’t contain mercury or any other dangerous chemicals and doesn’t create poisonous ozone.

Easy maintenance
9000h of work capacity, long-lasting and easy to maintain. The app will automatically tell you when it’s time to replace reactor components.

Control remotely
Control any electrical appliance at home via your smartphone or tablet, no matter where you are.

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

TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
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<tbody>
<tr>
<td>Power supply</td>
<td>110-230V ±10% 50/60Hz AC</td>
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<tr>
<td>Power consumption</td>
<td>128 W</td>
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<tr>
<td>Disinfected air volume</td>
<td>680 m³/h</td>
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<tr>
<td>Noise level</td>
<td>&lt; 39 dB</td>
</tr>
<tr>
<td>Strength of UV-C radiation</td>
<td>900000 uW/h</td>
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<tr>
<td>UV-C radiation range</td>
<td>250 - 270 nm</td>
</tr>
<tr>
<td>Disinfection efficiency</td>
<td>&gt; 92.2%</td>
</tr>
<tr>
<td>Remote control</td>
<td>YES</td>
</tr>
<tr>
<td>Mobile phone control</td>
<td>YES</td>
</tr>
<tr>
<td>Weekly work schedule</td>
<td>YES</td>
</tr>
<tr>
<td>Durability of UV-C LEDs</td>
<td>8000h</td>
</tr>
<tr>
<td>Suitable for rooms up to</td>
<td>150m²</td>
</tr>
</tbody>
</table>

HOW AND WHY UV-C LIGHT KILLS VIRUSES

UV-C light disrupts the DNA of viruses, bacteria, and pathogens, preventing them from multiplying and causing disease. To be effective, Shelly AIR has extremely powerful UV-C LEDs and reflective surfaces inside, reducing the distance between the radiated energy and potential viruses and bacteria. In this way, they die for a much shorter time.

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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.

**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**

<table>
<thead>
<tr>
<th></th>
<th>Shelly DUO</th>
<th>Shelly DUO GU10</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Power supply</strong></td>
<td>110-230V ±10% 50/60Hz AC</td>
<td></td>
</tr>
<tr>
<td><strong>Socket</strong></td>
<td>E27</td>
<td>GU10</td>
</tr>
<tr>
<td><strong>Power Rating</strong></td>
<td>• RGB: 6W</td>
<td>4.8W</td>
</tr>
<tr>
<td></td>
<td>• Warm White: 9W</td>
<td></td>
</tr>
<tr>
<td><strong>Brightness</strong></td>
<td>Warm White: 475 lm</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Warm White: 475 lm</td>
<td></td>
</tr>
<tr>
<td><strong>Color Temperature</strong></td>
<td>2700K - 6500K</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2700K - 6500K</td>
<td></td>
</tr>
<tr>
<td><strong>Working temperature</strong></td>
<td>-25°C + 55°C</td>
<td></td>
</tr>
<tr>
<td></td>
<td>-10°C + 40°C</td>
<td></td>
</tr>
<tr>
<td><strong>Beam Angle</strong></td>
<td>270°</td>
<td>36°</td>
</tr>
<tr>
<td><strong>Complies with EU standards</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• RE Directive 2014/53/EU</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• LVD 2014/35/EU</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• EMC 2004/108/WE</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• RoHS2 2011/65/UE</td>
<td></td>
</tr>
<tr>
<td><strong>Radio signal power</strong></td>
<td>1mW</td>
<td></td>
</tr>
<tr>
<td><strong>Radio protocol</strong></td>
<td>WiFi 802.11 b/g/n</td>
<td></td>
</tr>
<tr>
<td><strong>Frequency</strong></td>
<td>2400 - 2484 MHz</td>
<td></td>
</tr>
<tr>
<td><strong>Operational range (depending on local construction)</strong></td>
<td>up to 15 m outdoors</td>
<td></td>
</tr>
<tr>
<td></td>
<td>up to 8 m indoors</td>
<td></td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>60x122 mm</td>
<td>50x73 mm</td>
</tr>
<tr>
<td><strong>Electrical consumption</strong></td>
<td>&lt; 1 W</td>
<td></td>
</tr>
<tr>
<td><strong>SAR</strong></td>
<td>1.10 W/Kg</td>
<td></td>
</tr>
</tbody>
</table>

**COLOR TEMPERATURE GUIDE**

- 2700K
- 3500K
- 4500K
- 6000K
- 6500K

**COLOR TEMPERATURE GUIDE**

- 2700K
- 3500K
- 4500K
- 6000K
- 6500K
SMART DIMMABLE VINTAGE BULB

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

TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Type</th>
<th>A60</th>
<th>ST64</th>
<th>G126</th>
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<tbody>
<tr>
<td>Power supply</td>
<td>7W</td>
<td>4W</td>
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<tr>
<td>Socket</td>
<td>E27</td>
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<tr>
<td>Power Rating</td>
<td>PF &gt; 0.5</td>
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<td></td>
</tr>
<tr>
<td>Brightness</td>
<td>750lm</td>
<td>260lm</td>
<td></td>
</tr>
<tr>
<td>Color Temperature</td>
<td>2700K</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Working tempera</td>
<td>-10°C~+40°C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Beam Angle</td>
<td>360°</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Radio signal power</td>
<td>1mW</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Radio protocol</td>
<td>WiFi 802.11 b/g/n</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Frequency</td>
<td>2400 - 2484 MHz</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Operational range (depending on local construction)</td>
<td>up to 15m outdoors</td>
<td>up to 8m indoors</td>
<td></td>
</tr>
<tr>
<td>Dimensions</td>
<td>60x115mm</td>
<td>64x160mm</td>
<td>125x155mm</td>
</tr>
<tr>
<td>Electrical consumption</td>
<td>&lt; 1 W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SAR</td>
<td>1.10 W/Kg</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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.

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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.
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.

**Outdoor IP55 AddOn - UK**

**Split core current transformer**
Used together with Shelly EM or Shelly 3EM for energy metering.

**Shelly GAS addon manipulator**

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

**Bypass**

---

EAN CODES FOR SHELLY PRODUCTS

<table>
<thead>
<tr>
<th>Device</th>
<th>Package x1</th>
<th>Package x2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shelly 2.5</td>
<td>3809511201855</td>
<td>3809511202975</td>
</tr>
<tr>
<td>Shelly 1PM</td>
<td>3809511201985</td>
<td>3809511202968</td>
</tr>
<tr>
<td>Shelly 1</td>
<td>3809511201862</td>
<td>3809511202951</td>
</tr>
<tr>
<td>Shelly 3EM</td>
<td>3809511202111</td>
<td></td>
</tr>
<tr>
<td>Shelly EM</td>
<td>3809511202104</td>
<td></td>
</tr>
<tr>
<td>Shelly Plug S</td>
<td>3809511203316</td>
<td></td>
</tr>
<tr>
<td>Shelly Plug White</td>
<td>3809511201879</td>
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