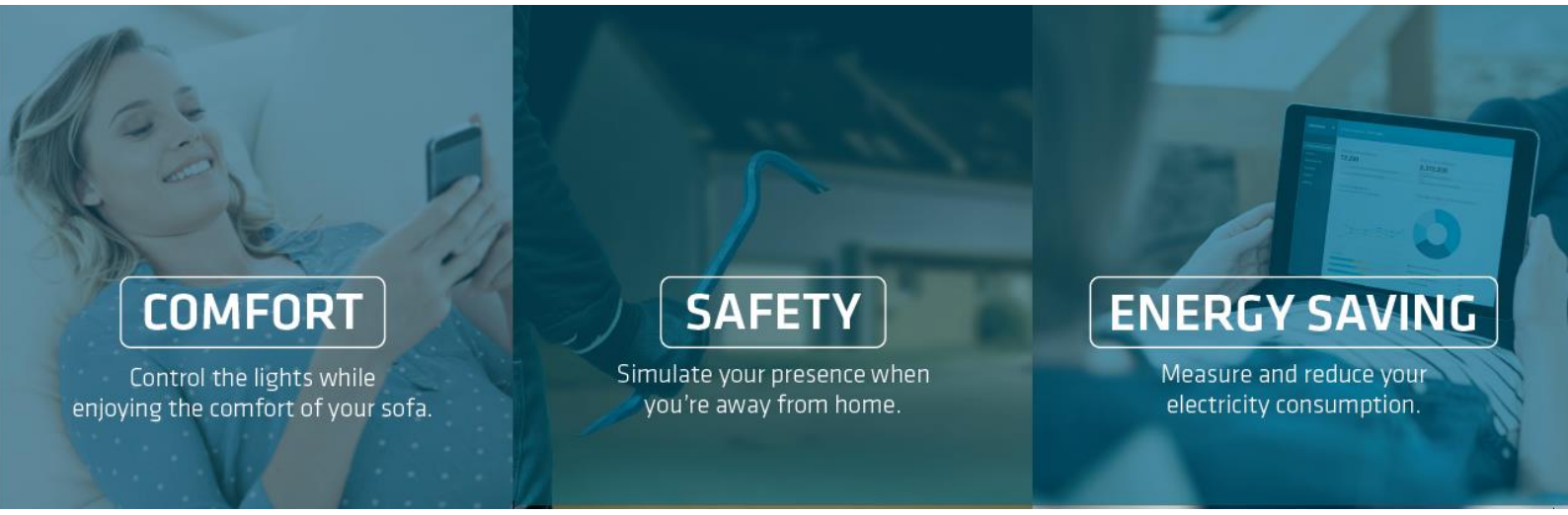
EN

qubino®

What can you do with Qubino devices?

A complete guide to help you understand,
how can you use Qubino devices.



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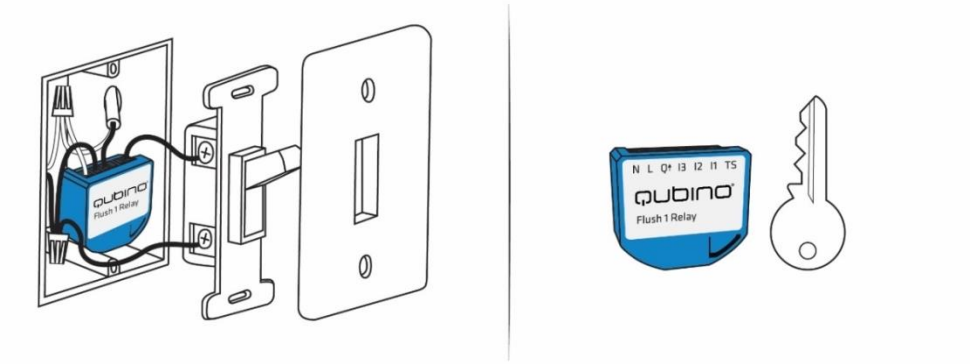
QUBINO ADVANTAGES AND HIGHLIGHTS

1. Advantages

- The Qubino devices allow the **easiest and quickest installation possible**. Because of its small size, it fits smoothly in even the smallest, most shallow and most crowded flush mounting boxes, which are stuffed with lots of electrical cables and where **every millimetre counts**. All this is possible because the Qubino devices are **the smallest Z-Wave devices in the world**.

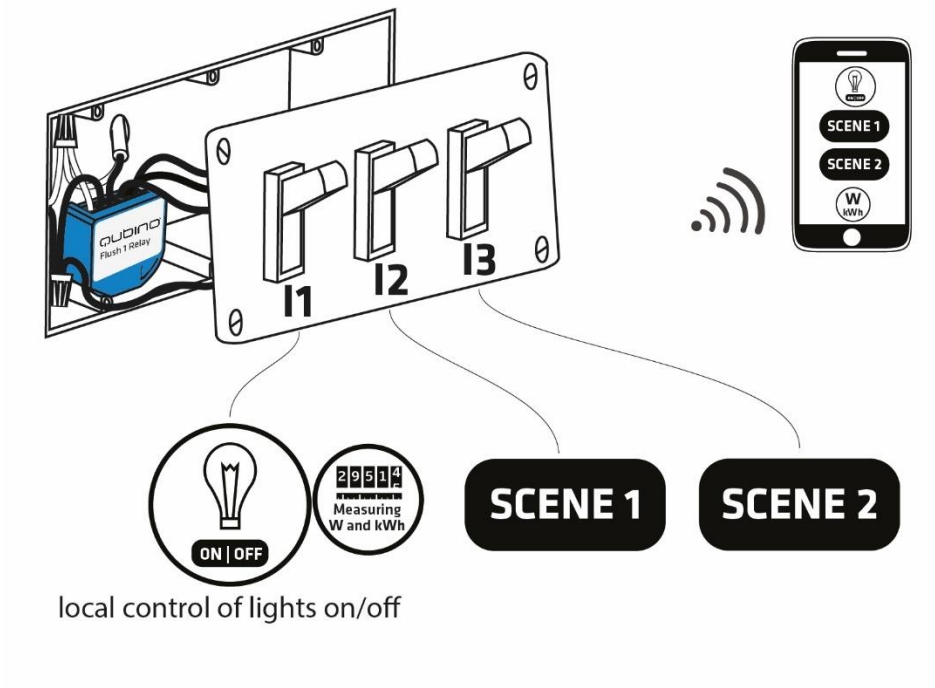


- The Qubino devices have the **option to connect a temperature sensor***, through which users can monitor the ambient air or water temperature. It's the only Z-Wave device in the world which offers this option. With a connected sensor, the user can monitor accurate measurements of the room temperature, pool water temperature, etc., and remotely change conditions as desired. Qubino relay, along with the temperature sensor, is connected directly to the power supply. Install it and forget it – no need to worry about dying batteries, like with battery-powered sensors.

  *The temperature sensor is sold separately - for more info, please see Qubino catalogue. Product ordering code (model number): ZMNHEA1

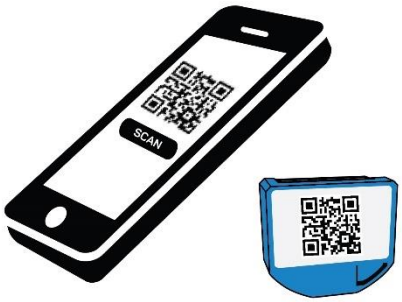
ⓘ **Please do not put the temperature sensor directly into the water! The temperature sensor is designed to measure the water temperature by being mounted to the water pipe.**

- The Qubino devices are the only Z-Wave devices in the world that have two additional inputs (I2, I3), which enable **triggering of different scenes**. The user does not need to buy additional devices for setting various scenes. For example:
    - Switch connected to input I2: Welcome Home – turn on all the lights in the house
    - Switch connected to input I3: Leaving Home – turn off all the lights in the house



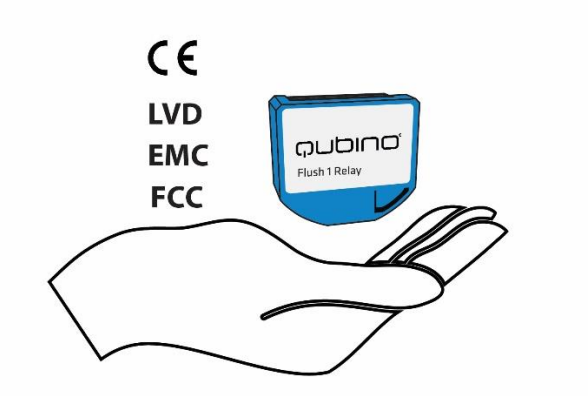
- Qubino guarantees **100% device quality**. Such high quality can be delivered because every Qubino goes through rigorous quality control standards throughout the production process. Every device has a unique serial number and ~~a~~ part number, which are assigned to the device only after it goes through a strict testing procedure.

- By scanning the QR code on the back of your Qubino device, the serial and part numbers will be automatically copied on your mobile phone; they also provide **direct access to Qubino's technical support team**. The serial and part numbers of your device are given automatically every time you open an inquiry with our support team: this instantly shares the relevant device information we need to provide the best technical support possible. For details, please see the Device Information and Support chapter.



- Most of the Qubino devices are **engineered and manufactured in the EU,** and contain the components, only from the highest quality.

- The Qubino devices are certified by an independent European Institute and have CE, FCC, LVD and EMC certificates to ensure the highest safety standards.



2. Highlights

- Remote (via smartphone or PC) and local on/off/dimm control of electrical devices
- Work with push-button (momentary switch) and toggle switch or you can install it behind power sockets
- Capable of measuring the power consumption of the connected device in real time via smartphone, which allows you to save on electricity bills*
- Features one of the easiest and quickest installations of devices of this kind; fits in even the smallest flush mounting boxes
- Saves and restores the last status after a power failure
- Supports auto-inclusion mode for quick set up
- Can automatically turn devices on and off after a set period of time (helpful when you're away from home, for example) *
- Supports additional parameters for expert users, which allows for advanced configuration*
- Acts as a signal repeater which improves the range and stability of your Z-Wave network
- Can be used to remotely control and trigger other devices in your Z-Wave network

*Your gateway (hub) needs to support advanced configuration and parameter input if you wish to use this feature

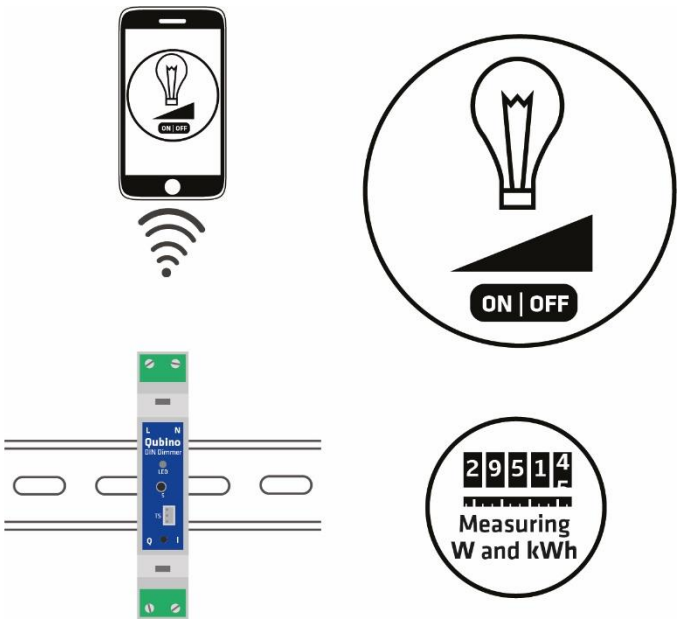
DIMMERS

3. DIN Dimmer

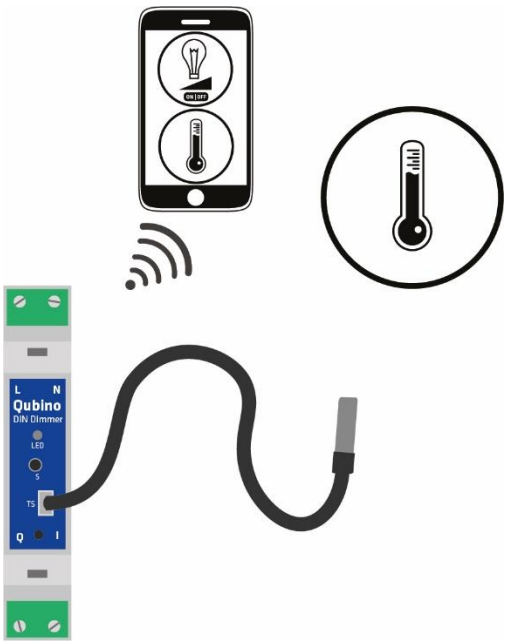
The DIN Dimmer can be used in many different scenes, which can help make your life more comfortable. We have prepared a few of them for you-so you can get an idea for your next smart home project. Of course, there are countless of other options for how to use Qubino DIN Dimmer to remotely control devices via your smartphone.

Installation examples where DIN Dimmer is installed on the DIN rail

- Remotely dim the lights or turn them ON/OFF



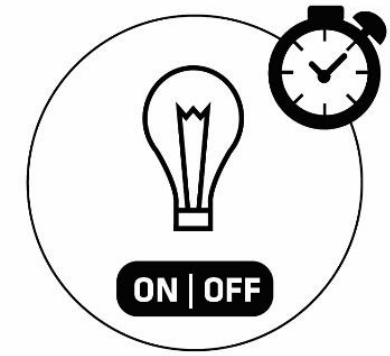
- Remotely measure room temperature (*The temperature sensor is sold separately - for more info, please see Qubino catalogue. Product ordering code (model number): ZMNHEA1)



Additional features of DIN Dimmer which can make your life easier

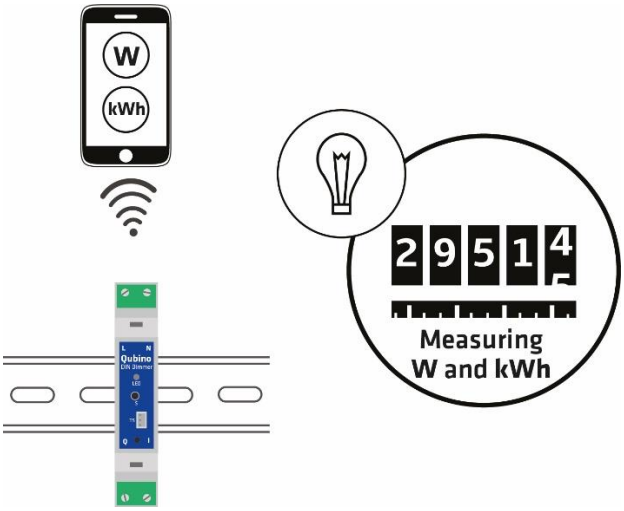
- **Do you often forget to turn off devices when you leave your home, like lights in the basement or attic?**

- The DIN Dimmer can automatically turn lights on or off after a set period of time (when you're away from home). For example, the light will automatically turn off if it's been on for 8 hours, let's say. This function is independent of other scenes and gateway (hub) commands.



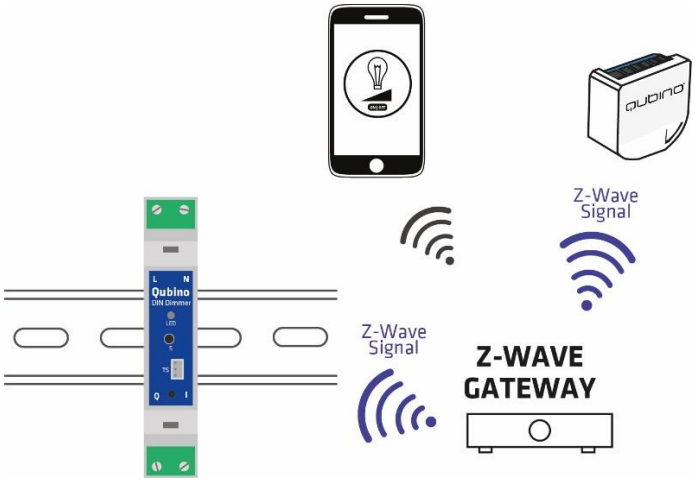
- **Do you know how much energy you consume?**

- The DIN Dimmer monitors and reports energy consumption of connected devices in real time to your smart home app (your gateway (hub) needs to support this feature). Know how much power your lights are using.



- **Want to control other devices in your Z-Wave network with the DIN Dimmer?**

- Connect the DIN Dimmer with other devices in your network to remotely and automatically trigger another Z-Wave device. And have other Z-Wave devices trigger your Qubino DIN Dimmer.

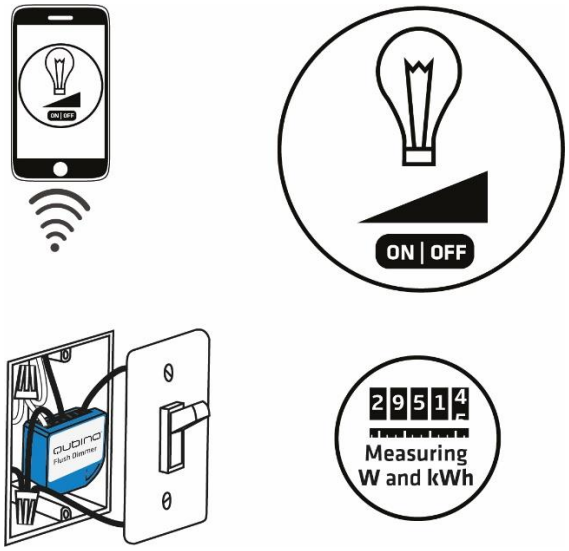


4. Flush Dimmer

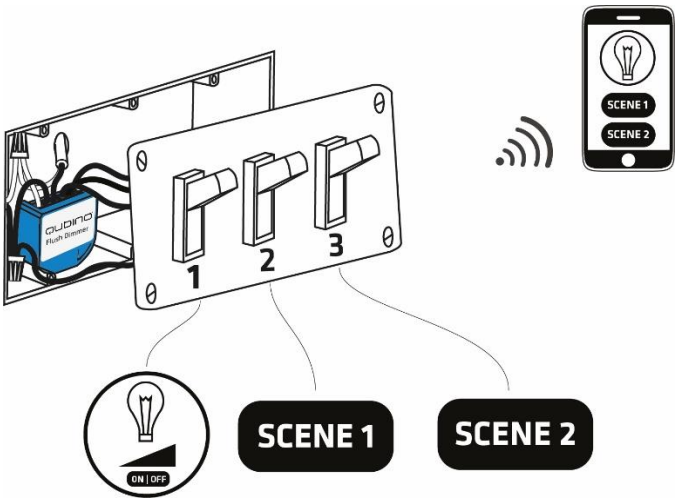
The Flush Dimmer can be used in many different scenes, which can help make your life more comfortable. We have prepared a few of them for you-so you can get an idea for your next smart home project. Of course, there are countless of other options for how to use Qubino Flush Dimmer to remotely control devices via your smartphone.

Installation examples where Flush Dimmer is installed behind a wall switch

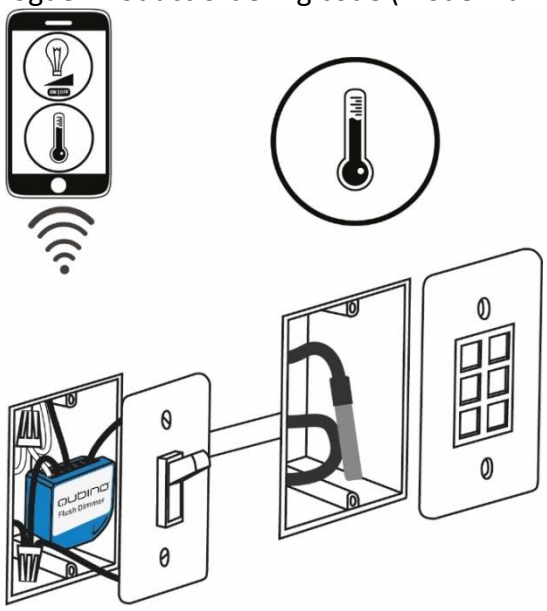
- Remotely dim the lights or turn them ON/OFF



- Remotely trigger different scenes with two additional inputs (I2, I3) – for example scene 1: turn on all the lights in the house, scene 2: turn off all the lights in the house



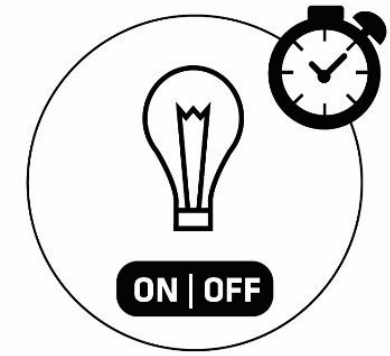
- Remotely measure room temperature (* The temperature sensor is sold separately - for more info, please see Qubino catalogue. Product ordering code (model number): ZMNHEA1)



Additional features of Flush Dimmer which can make your life easier

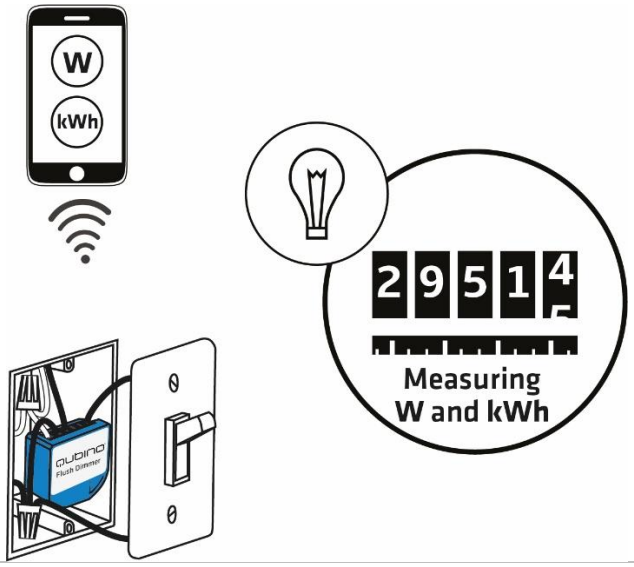
- **Do you often forget to turn off devices when you leave your home, like lights in the basement or attic?**

- The Flush Dimmer can automatically turn lights on or off after a set period of time (when you're away from home). For example, the light will automatically turn off if it's been on for 8 hours, let's say. This function is independent of other scenes and gateway (hub) commands.



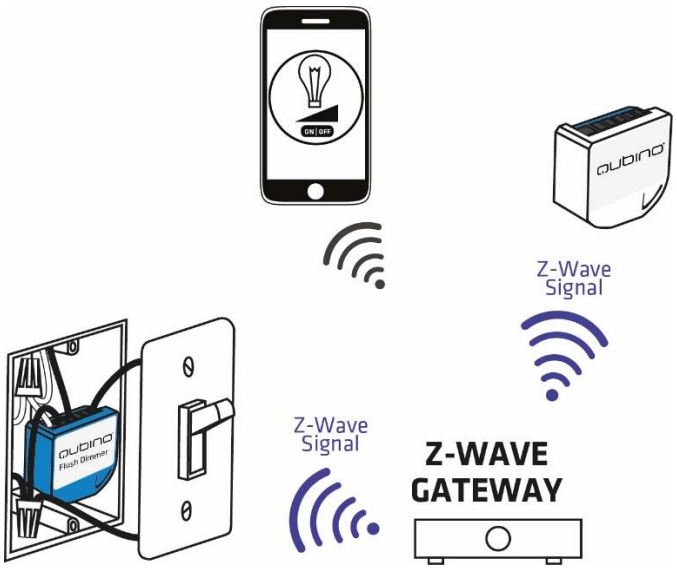
- **Do you know how much energy you consume?**

- The Flush Dimmer monitors and reports energy consumption of connected devices in real time to your smart home app (your gateway (hub) needs to support this feature). Know how much power your lights are using.



- **Want to control other devices in your Z-Wave network with the Flush Dimmer?**

- Connect the Flush Dimmer with other devices in your network to remotely and automatically trigger another Z-Wave device. And have other Z-Wave devices trigger your Qubino Flush Dimmer.

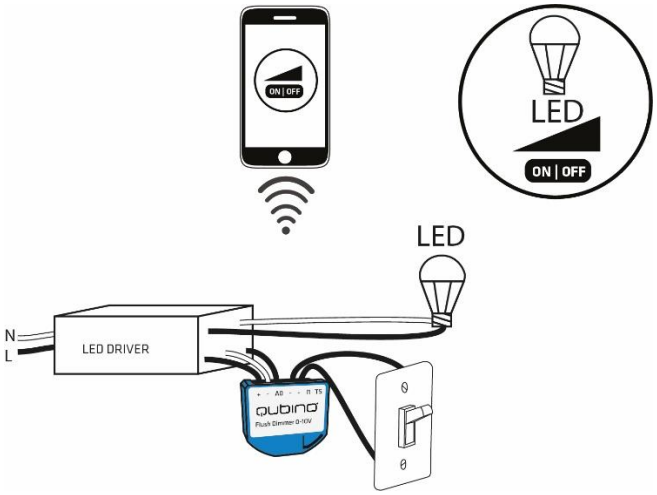


5. Flush Dimmer 0-10V

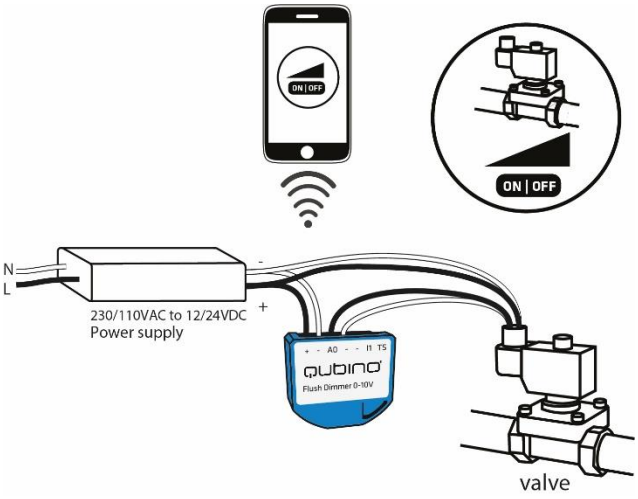
The Flush Dimmer 0-10V can be used in many different scenes, which can help make your life more comfortable. We have prepared a few of them for you-so you can get an idea for your next smart home project. Of course, there are countless of other options for how to use Qubino Flush Dimmer 0-10V to remotely control devices via your smartphone.

Installation examples where Flush Dimmer 0-10V is installed behind a wall switch

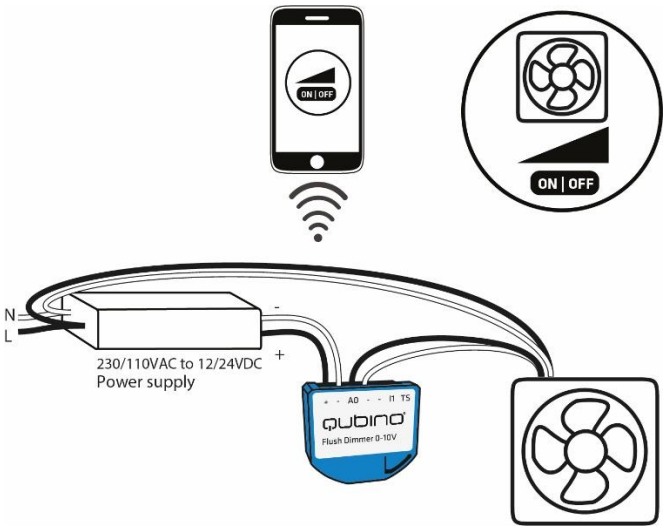
- Remotely dim lights or turn them on/off with LED driver



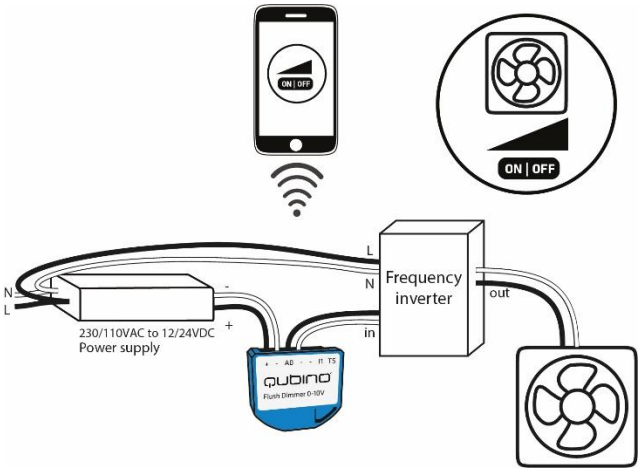
- Remotely linear control heating valves



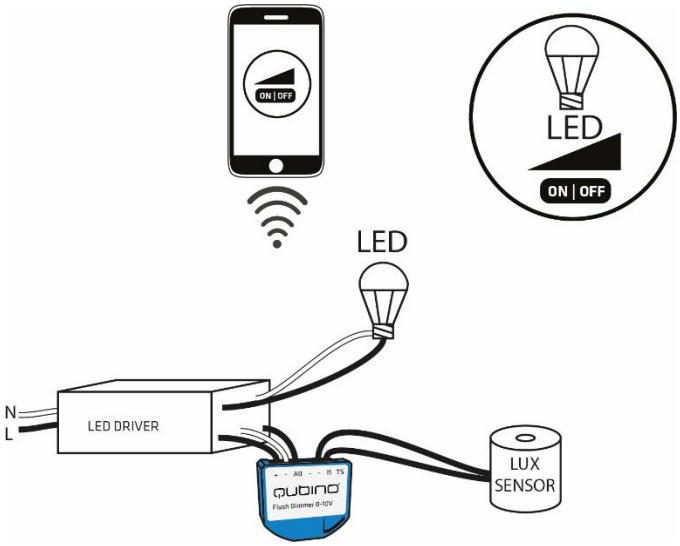
- Remotely control fan speed



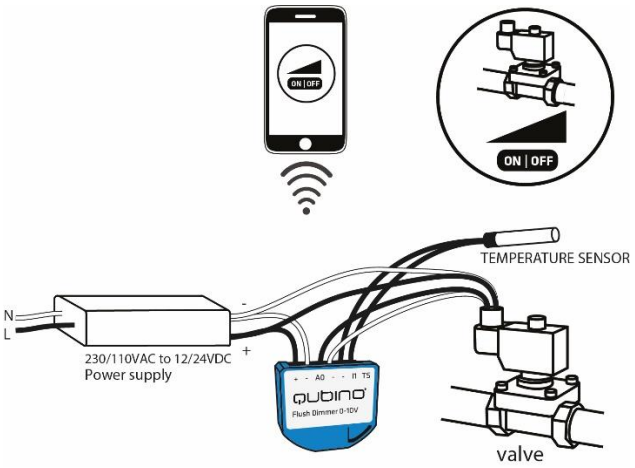
- Remotely control fan speed with frequency inverter



- Automatic illumination control (with connected lux sensor with 0-10V output)



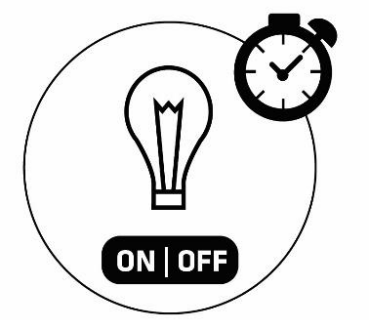
- Automatic heat valve control (with connected temperature sensor with 0-10V output)



Additional features of Flush Dimmer 0-10V which can make your life easier

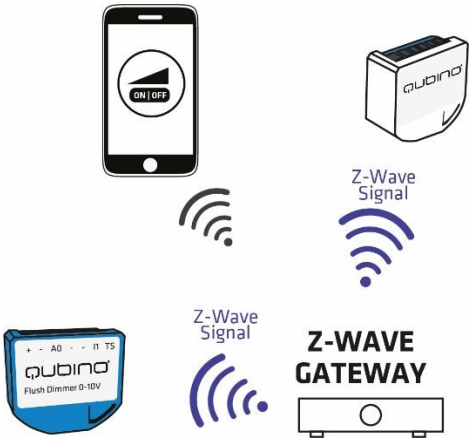
- **Do you often forget to turn off devices when you leave your home, like lights in the basement or attic?**

- The Flush Dimmer 0-10V can automatically turn devices/lights on or off after a set period of time (when you're away from home). For example, the light will automatically turn off if it's been on for 8 hours, let's say. This function is independent of other scenes and gateway (hub) commands.



- **Want to control other devices in your Z-Wave network with the Flush Dimmer 0-10V?**

- Connect the Flush Dimmer 0-10V with other devices in your network to remotely and automatically trigger another Z-Wave device. And have other Z-Wave devices trigger your Qubino Flush Dimmer 0-10V.



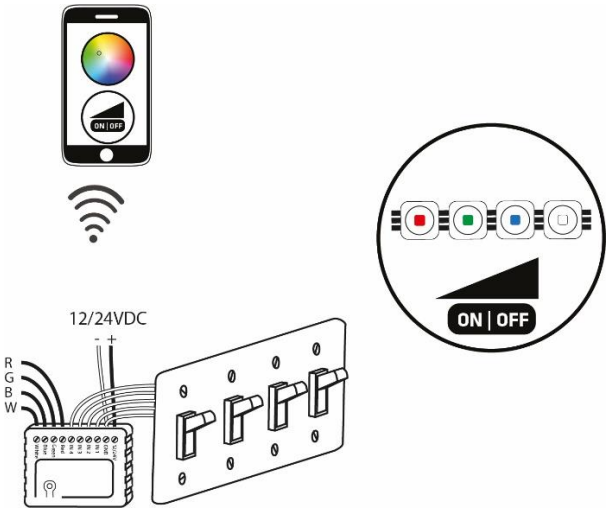
- Remotely measure room temperature (*The temperature sensor is sold separately - for more info, please see Qubino catalogue. Product ordering code (model number): ZMNHEA1)

6. RGBW Dimmer

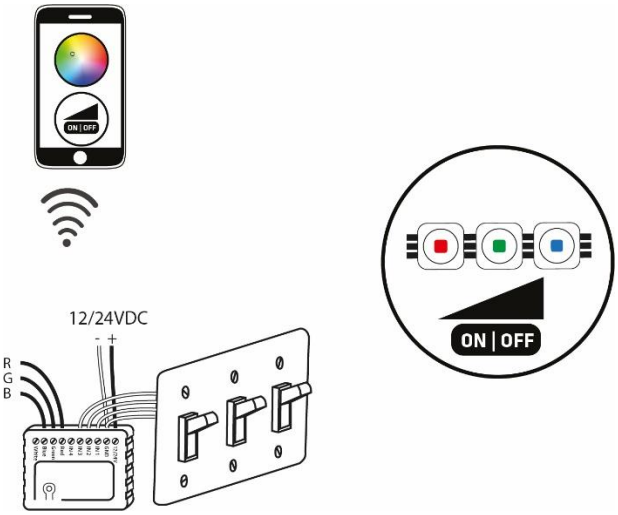
The Flush RGBW Dimmer can be used in many different scenes, which can help make your life more comfortable. We have prepared a few of them for you-so you can get an idea for your next smart home project. Of course, there are countless of other options for how to use Qubino Flush RGBW Dimmer to remotely control devices via your smartphone.

Installation examples for Flush RGBW Dimmer

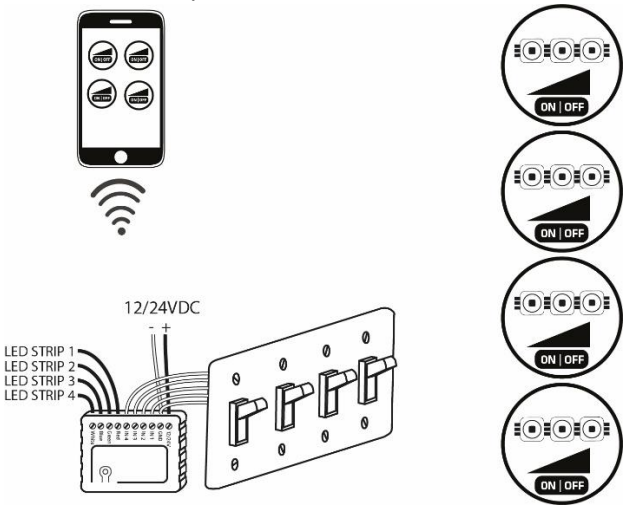
- Remotely dim RGBW strips or turn them ON/OFF



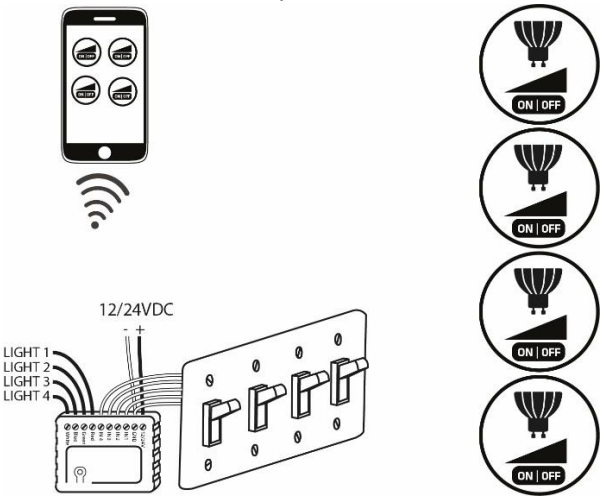
- Remotely dim RGB strips or turn them ON/OFF



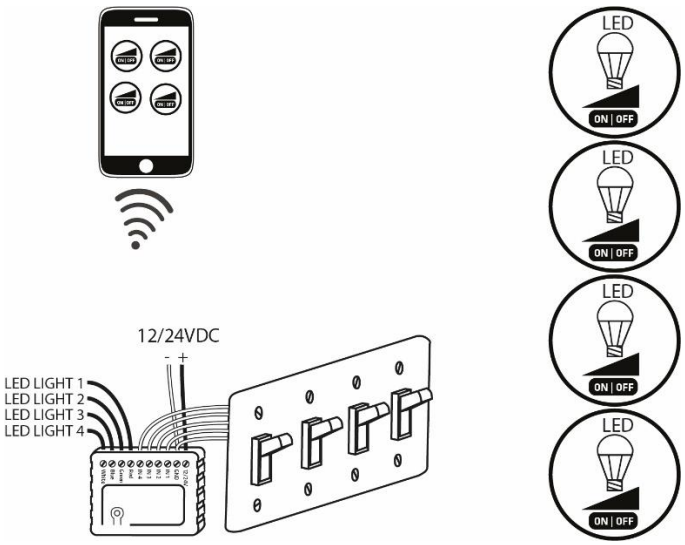
- Remotely dim up to 4 LED strips or turn them ON/OFF



- Remotely dim up to 4 halogen bulbs or turn them ON/OFF



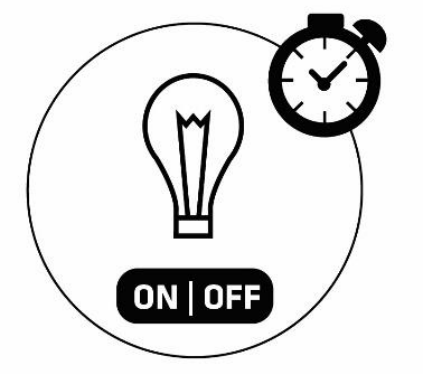
- Remotely dim up to 4 LED bulbs or turn them ON/OFF



Additional features of Flush RGBW Dimmer which can make your life easier

- **Do you often forget to turn off the lights/RGBW/RGB strips when you leave your home, like in the basement or attic?**

- The Flush RGBW Dimmer can automatically turn lights/RGBW/RGB strips on or off after a set period of time (when you're away from home). For example, the light will automatically turn off if it's been on for 8 hours, let's say. This function is independent of other scenes and gateway (hub) commands.



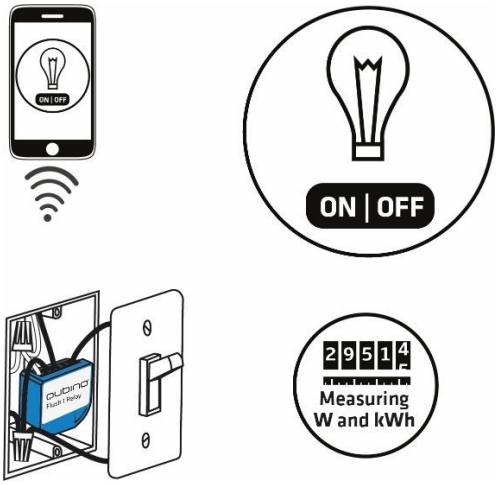
SWITCHES

7. Flush 1 Relay

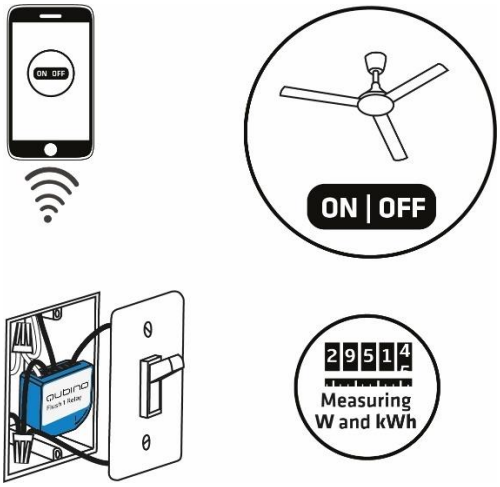
The Flush 1 Relay can be used in many different scenes, which can help make your life more comfortable. We have prepared a few of them for you-so you can get an idea for your next smart home project. Of course, there are countless of other options for how to use Qubino Flush 1 Relay to remotely control devices via your smartphone.

Installation examples where Flush 1 Relay is installed behind a wall switch

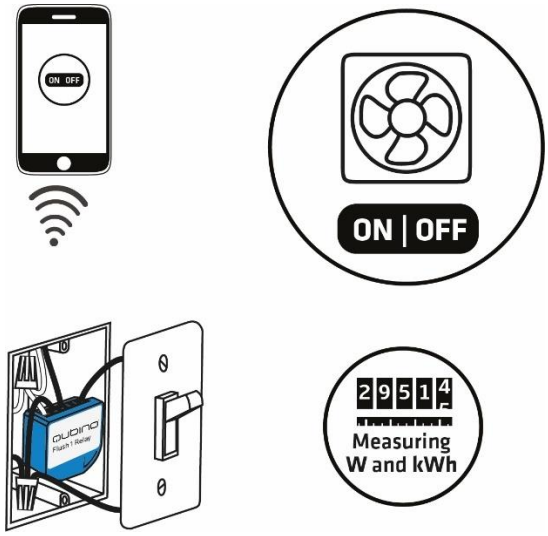
- Remotely control lights



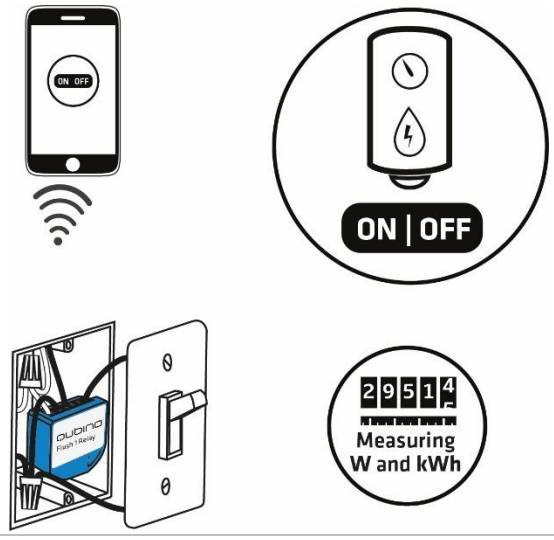
- Remotely control ceiling fans



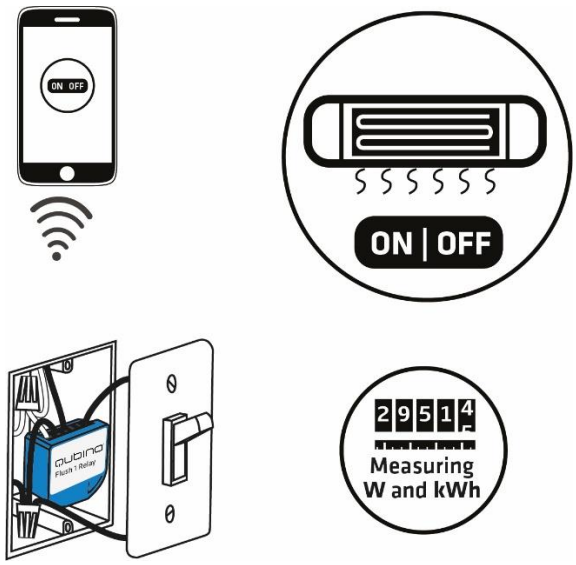
- Remotely control wall-mounted fans



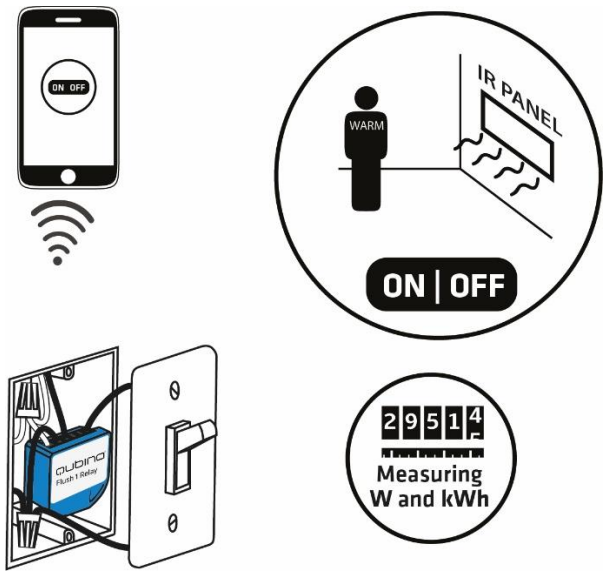
- Remotely control domestic hot water tanks



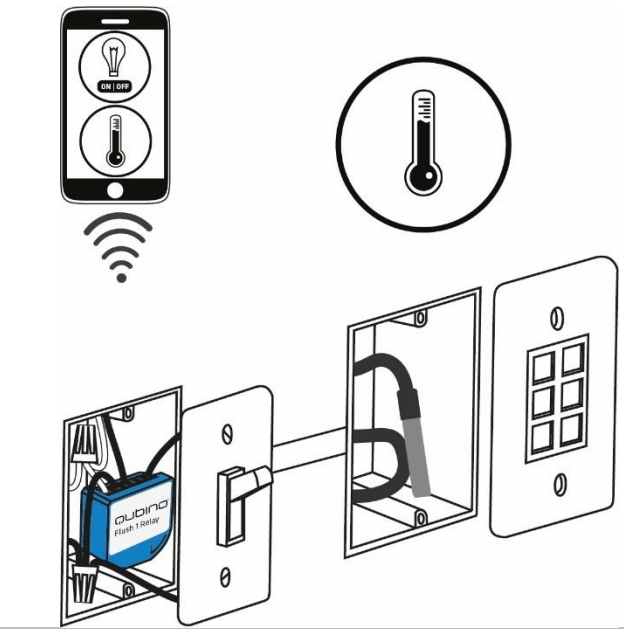
- Remotely control infrared – heater



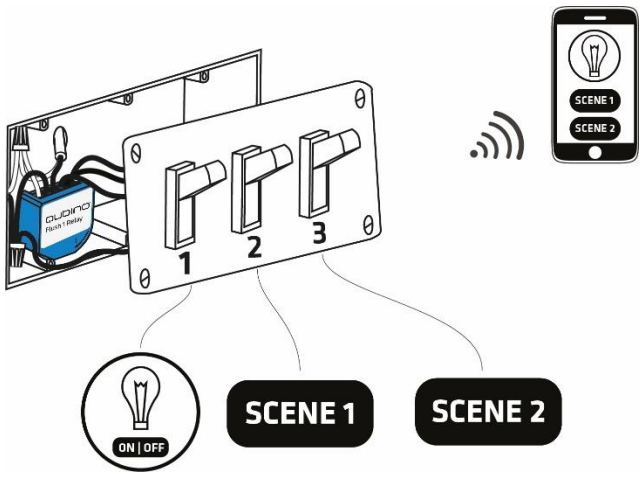
- Remotely control wall mounted infrared heating panel



- Remotely measure room temperature (*The temperature sensor is sold separately - for more info, please see Qubino catalogue. Product ordering code (model number): ZMNHEA1)

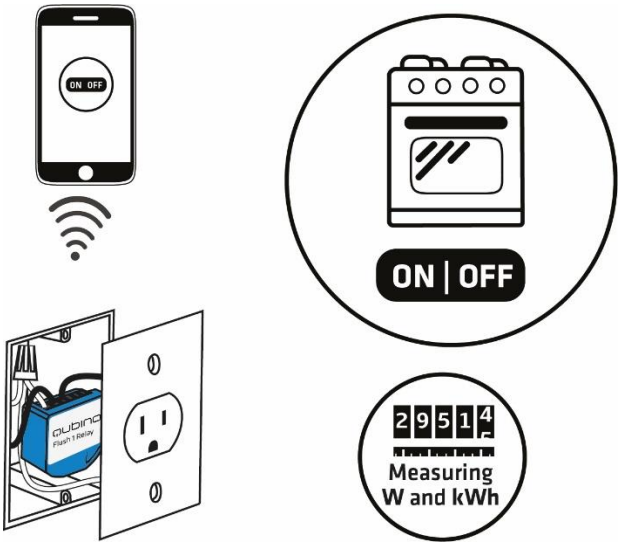


- Remotely trigger different scenes with two additional inputs (I2, I3) – for example scene 1: turn on all the lights in the house, scene 2: turn off all the lights in the house

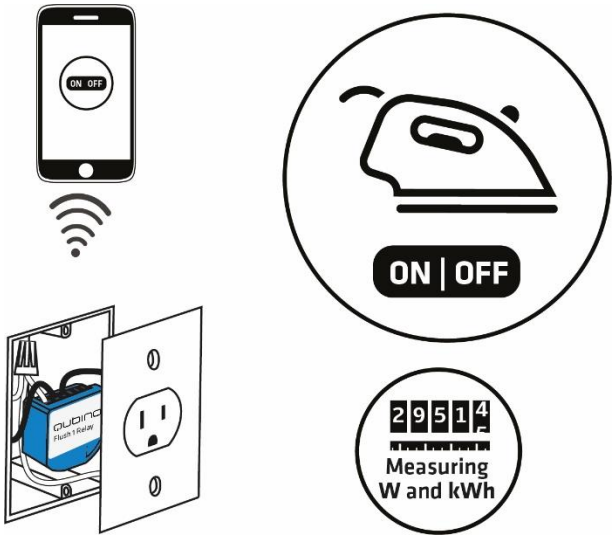


Installation examples where Flush 1 Relay is installed behind a power socket – for switching device on/off and measuring power consumption of the connected device

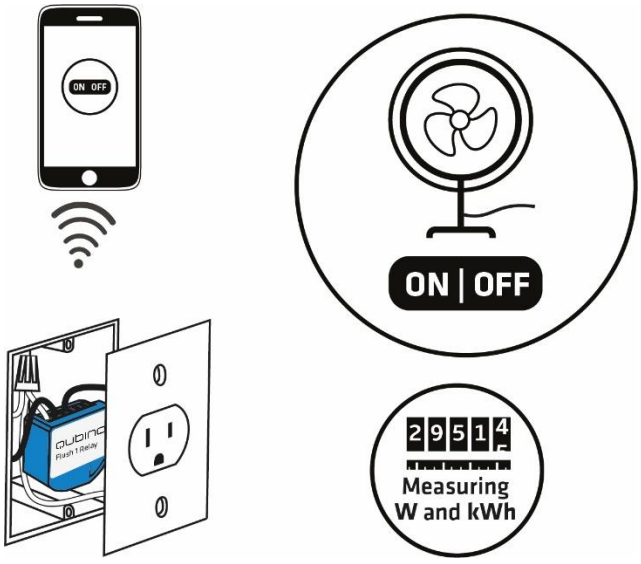
- Remotely control an oven connected to a power socket



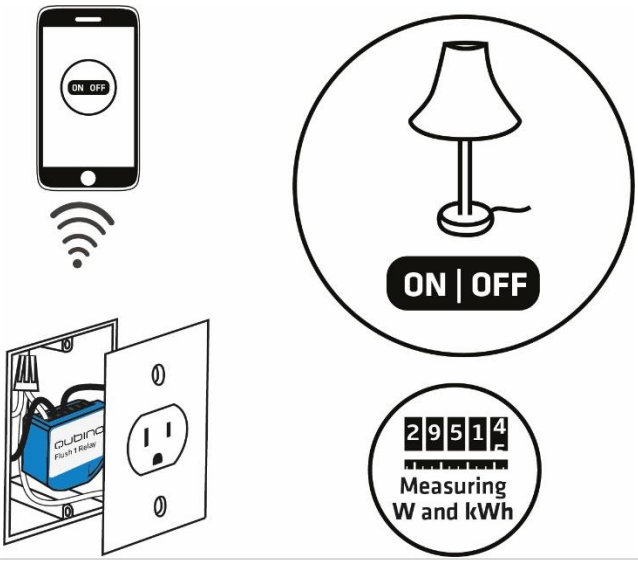
- Remotely control an iron connected to a power socket



- Remotely control a fan connected to a power socket

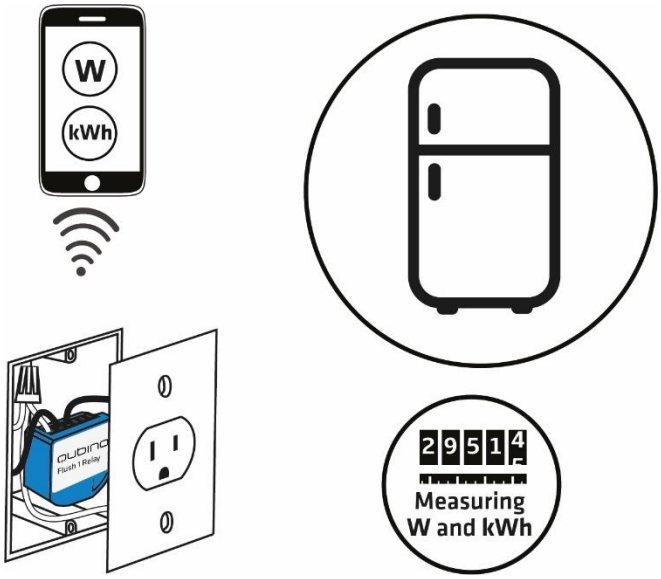


- Remotely control floor lights connected to a power socket

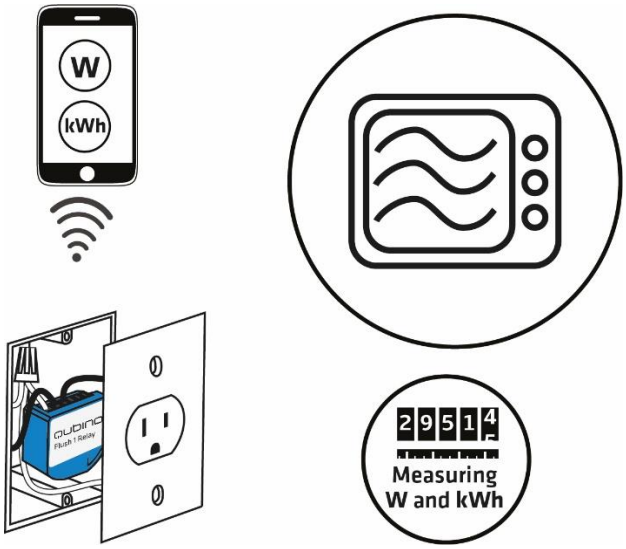


Installation examples where Flush 1 Relay is installed behind a power socket – for measuring power consumption of the connected device

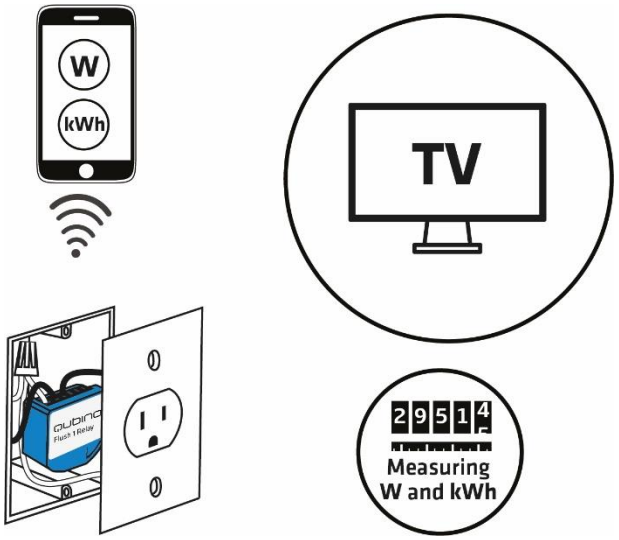
- Remotely measure power consumption of refrigerator connected to a power socket



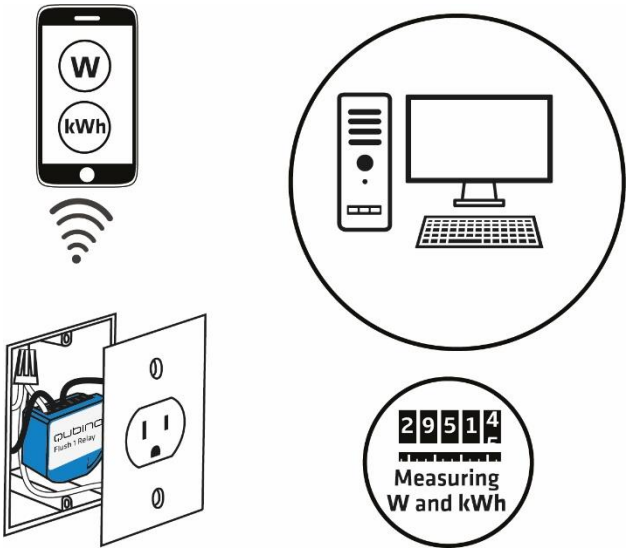
- Remotely measure power consumption of microwave oven connected to a power socket



- Remotely measure power consumption of television connected to a power socket

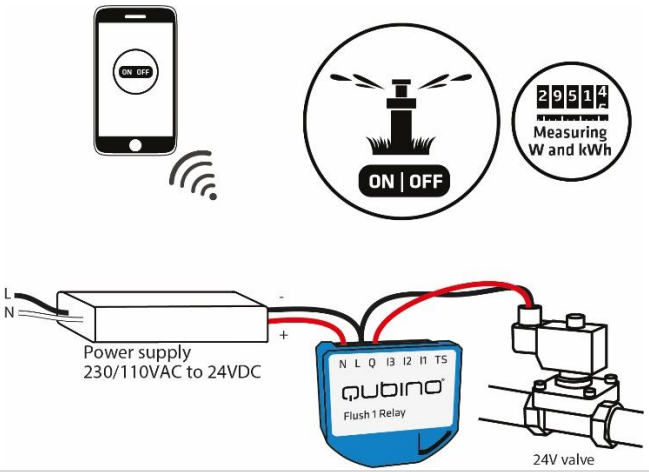


- Remotely measure power consumption of computer connected to a power socket

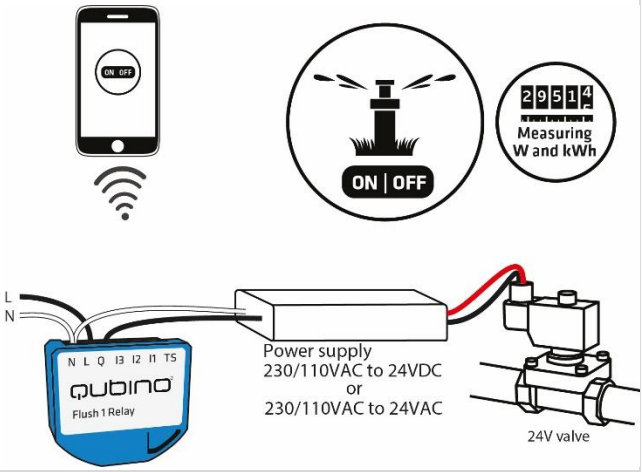


Installation examples where Flush 1 Relay is installed in electrical box

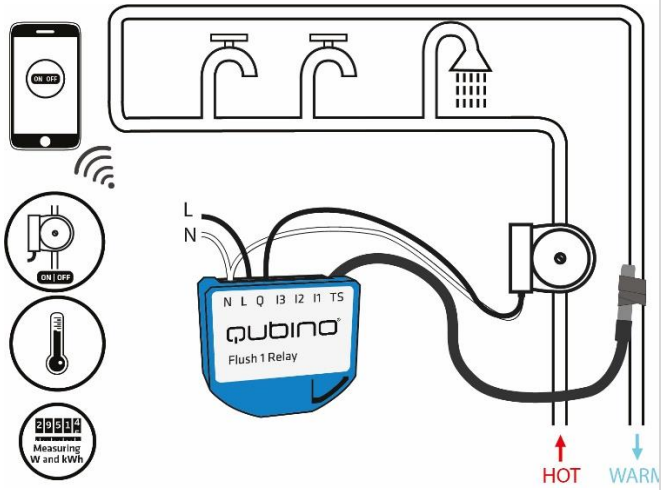
- Remotely control 24VDC irrigation sprinkle valves.



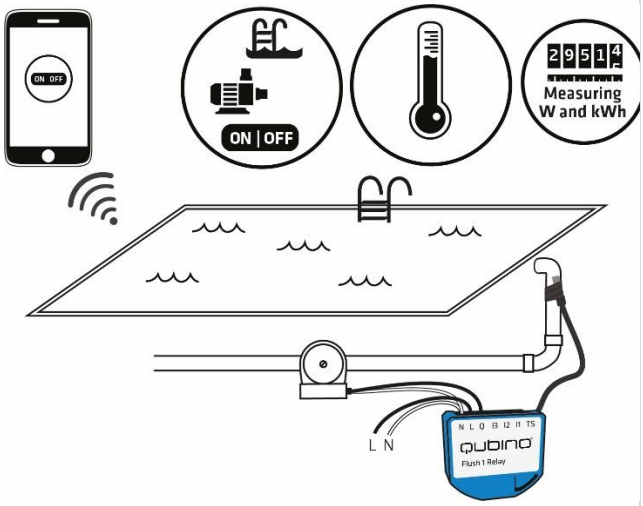
- Remotely control 24VAC or 24VDC irrigation sprinkle valves.



- Remotely control sanitary hot water recirculation pumps and remotely measure temperature of the sanitary hot water (*The temperature sensor is sold separately - for more info, check Qubino catalogue. Product ordering code: ZMNHEA1)



- Remotely control pool recirculation pumps
  and measure pool water temperature (*The temperature sensor is sold separately - for more info, check Qubino catalogue. Product ordering code: ZMNHEA1)



Additional features of Flush 1 Relay which can make your life easier

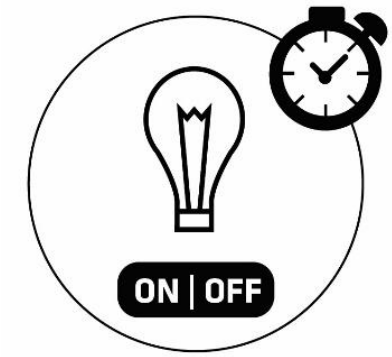
- **Do you worry that your irrigation system can expose your garden to flooding?**

- Sometimes your Z-Wave gateway (hub) can stop working while you're away from home (no internet connection, power outage, etc). If you have an irrigation scene scheduled, your gateway (hub) might not send an OFF command to your irrigation system, leaving your garden flooded and water bill more expensive than you'd like. The Flush 1 Relay offers the option to set the timing for irrigation for a specific amount of time internally; it then automatically stops watering, completely independent of your gateway's (hub's) commands.

For the 24VDC use case, please check the chapter above.

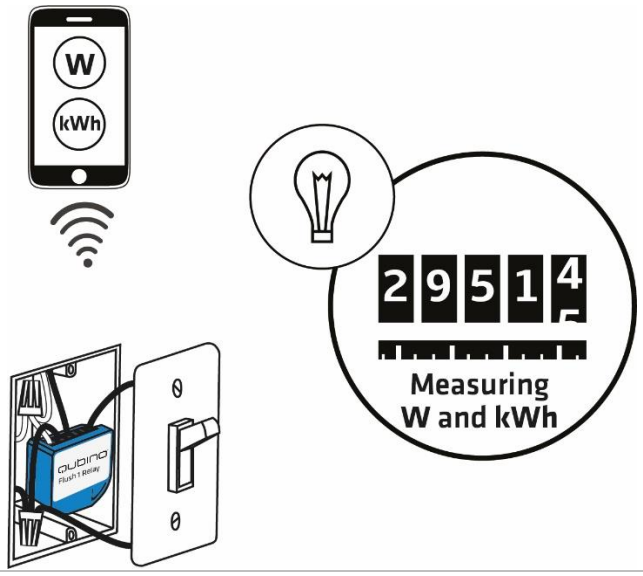
- **Do you often forget to turn off devices when you leave your home, like lights in the basement or attic?**

- The Flush 1 Relay can automatically turn devices/lights on or off after a set period of time (when you're away from home). For example, the light will automatically turn off if it's been on for 8 hours, let's say. This function is independent of other scenes and gateway (hub) commands.



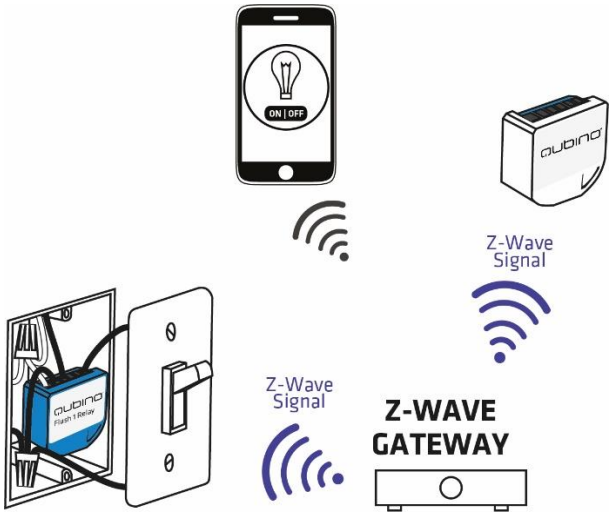
- **Do you know how much energy you consume?**

- The Flush 1 Relay monitors and reports energy consumption of connected devices in real time to your smart home app (your gateway (hub) needs to support this feature). Know how much power your light, domestic water tank, iron, etc, is using.



- **Want to control other devices in your Z-Wave network with the Flush 1 Relay?**

- Connect the Flush 1 Relay with other devices in your network to remotely and automatically trigger another Z-Wave device. And have other Z-Wave devices trigger your Qubino Flush 1 Relay.

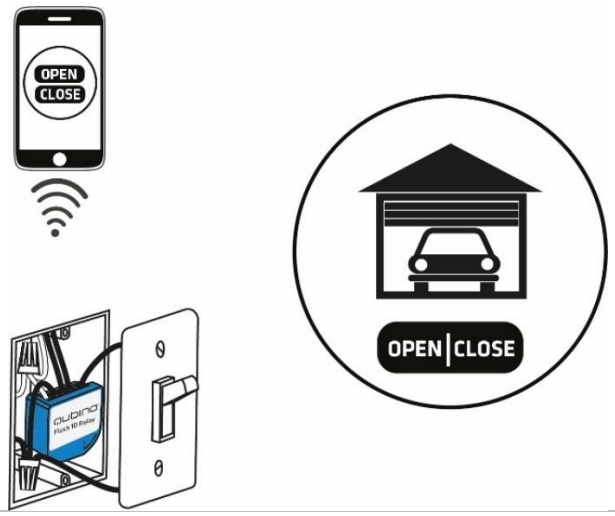


8. Flush 1D Relay

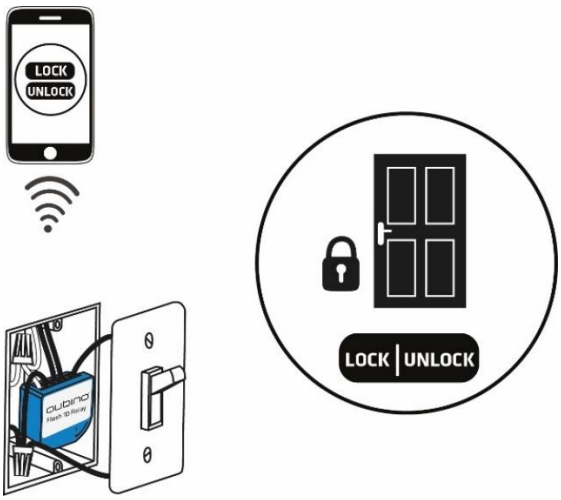
The Flush 1D Relay can be used in many different scenes, which can help make your life more comfortable. We have prepared a few of them for you-so you can get an idea for your next smart home project. Of course, there are countless of other options for how to use Qubino Flush 1D Relay to remotely control devices via your smartphone.

Installation examples where Flush 1D Relay is installed behind a wall switch

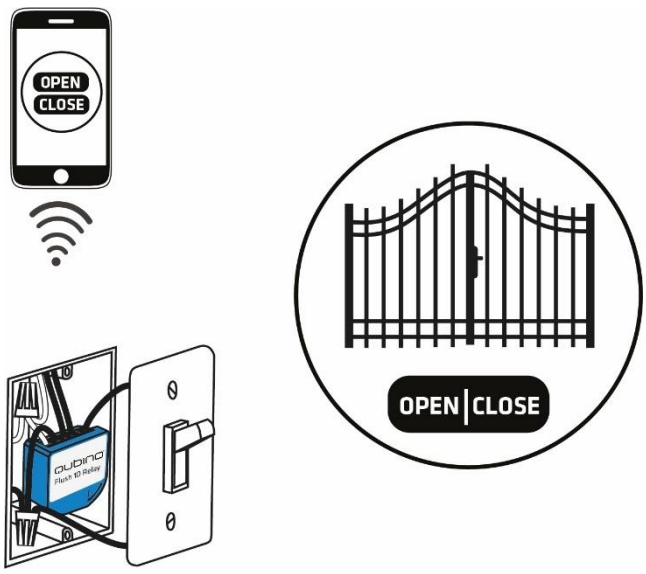
- Remotely control garage doors



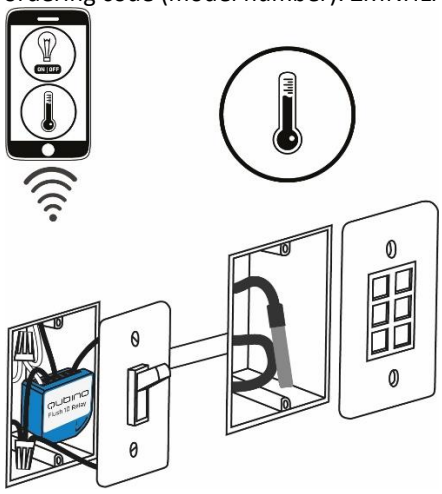
- Remotely control door locks



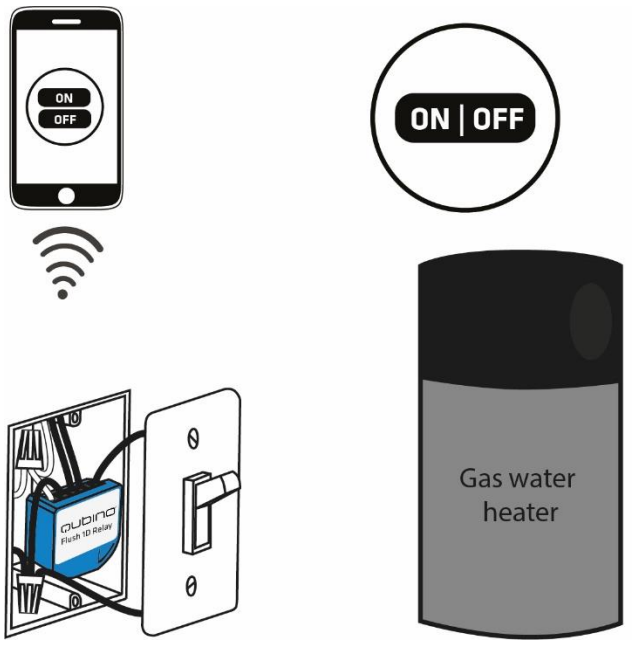
- Remotely control gate motors



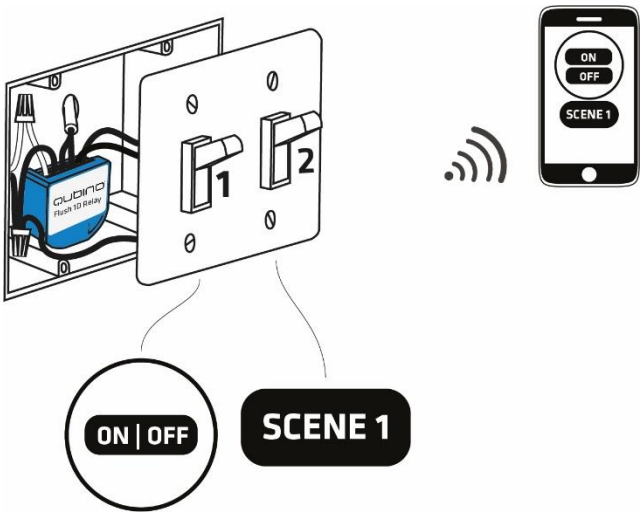
- Remotely measure room temperature (*The temperature sensor is sold separately - for more info, please see Qubino catalogue. Product ordering code (model number): ZMNHEA1)



- Remotely control on/off gas water heaters

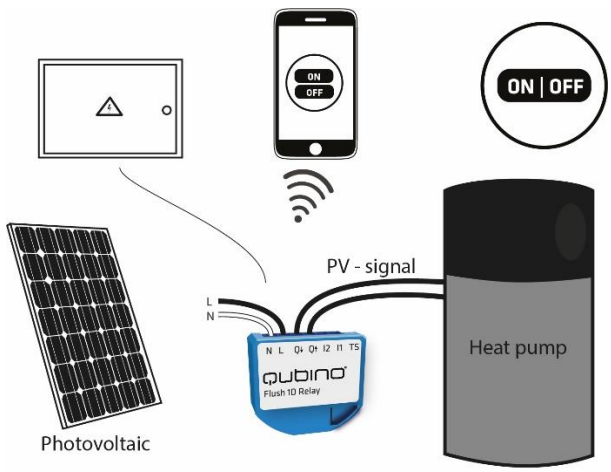


- Remotely trigger different scenes with additional input (I2) – for example scene 1: turn off all the lights in the house

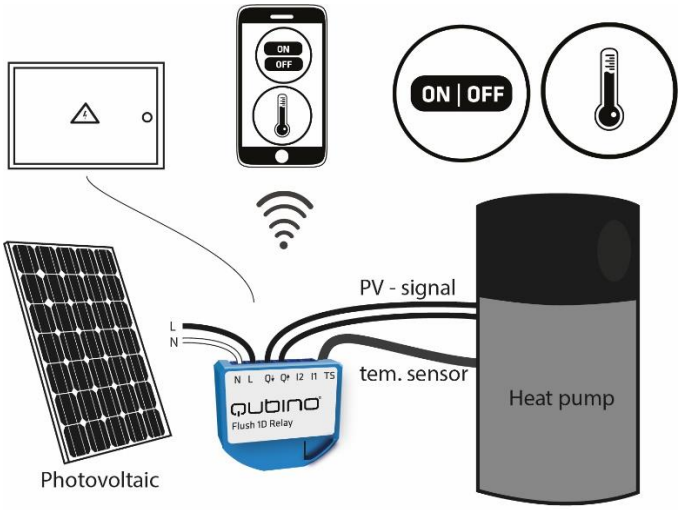


Installation examples where Flush 1D Relay is installed in electrical box

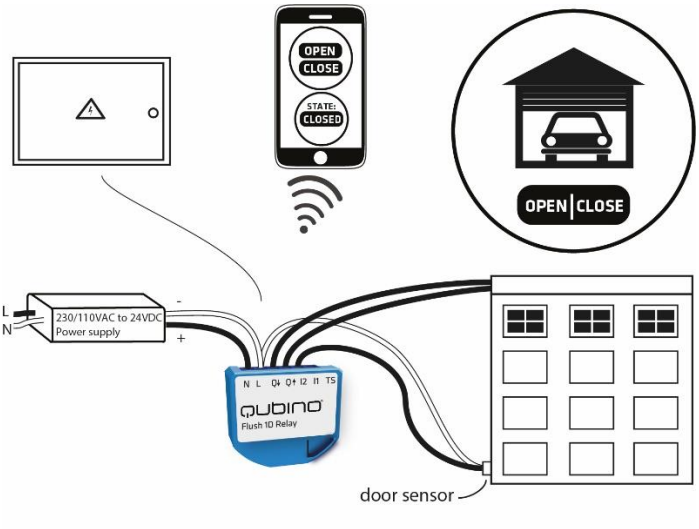
- Remotely switch heat pumps to PV working mode (when electricity is available from photovoltaic). Running on photovoltaics, the heat pump will heat water to higher temperature



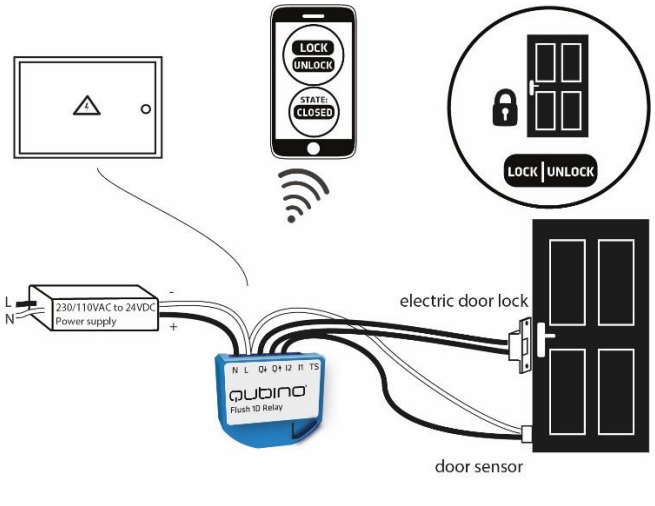
- Remotely switch heat pumps to PV working mode and measure temperature of water.



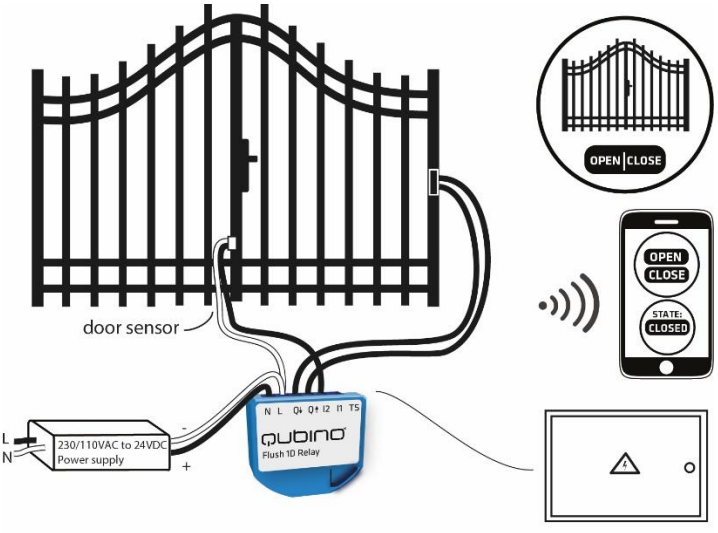
- Remotely control garage doors and remotely check the state of door sensor (if the door is open/closed)



- Remotely control door locks and remotely check the state of door sensor (if the door is open/closed)



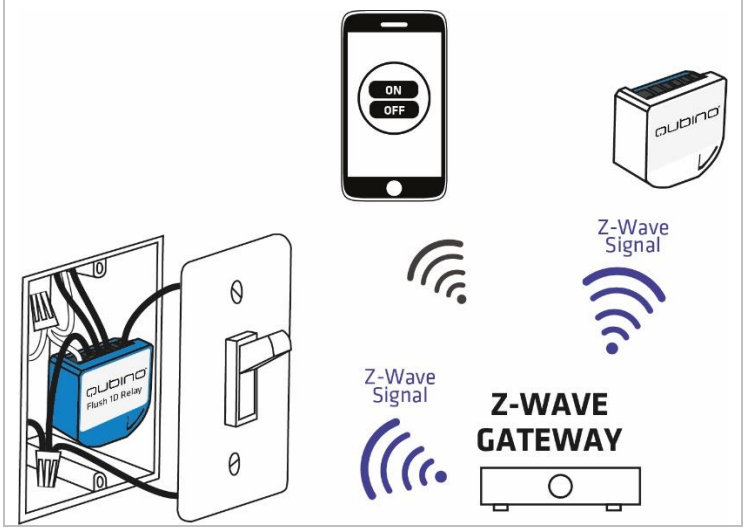
- Remotely control gate motors and remotely check the state of door sensor (if the door is open/closed)



Additional features of Flush 1D Relay which can make your life easier

- **Want to control other devices in your Z-Wave network with the Flush 1D Relay?**

- Connect the Flush 1D Relay with other devices in your network to remotely and automatically trigger another Z-Wave device. And have other Z-Wave devices trigger your Qubino Flush 1D Relay.

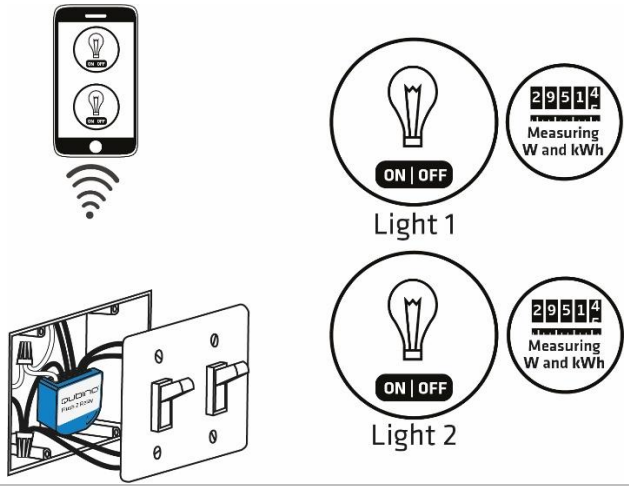


9. Flush 2 Relay

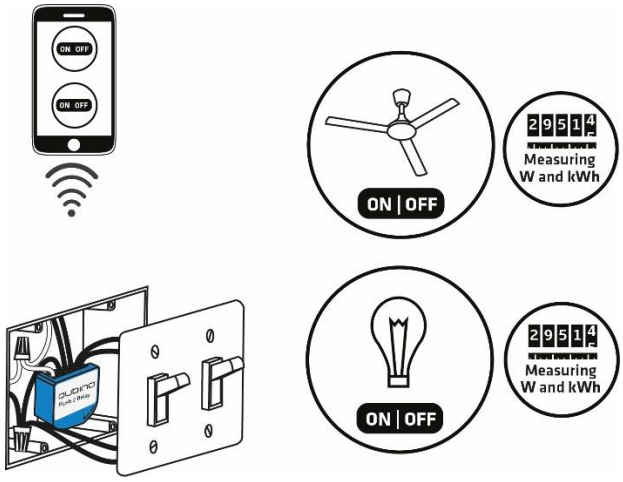
The Flush 2 Relay can be used in many different scenes, which can help make your life more comfortable. We have prepared a few of them for you so you can get an idea for your next smart home project. Of course, there are countless of other options for how to use Qubino Flush 2 Relay to remotely control devices via your smartphone.

Installation examples where Flush 2 Relay is installed behind a wall switch

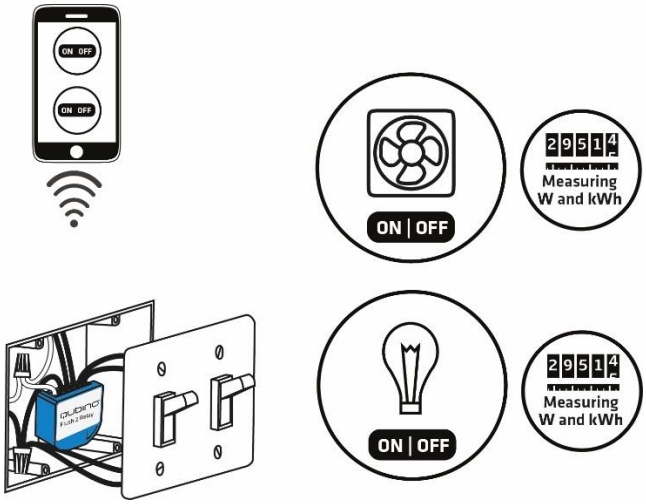
- Remotely control two lights



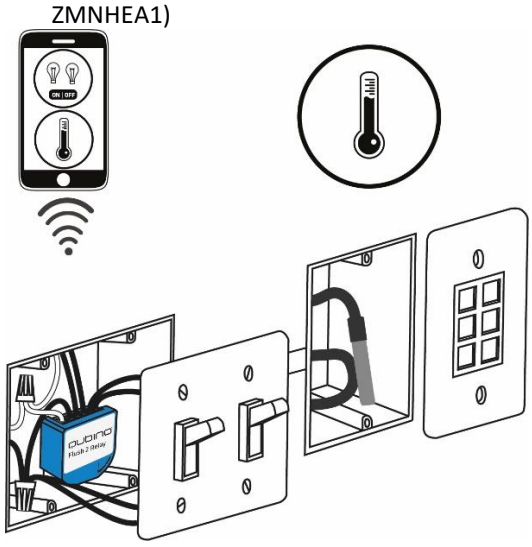
- Remotely control ceiling fan and light



- Remotely control wall-mounted fan and light

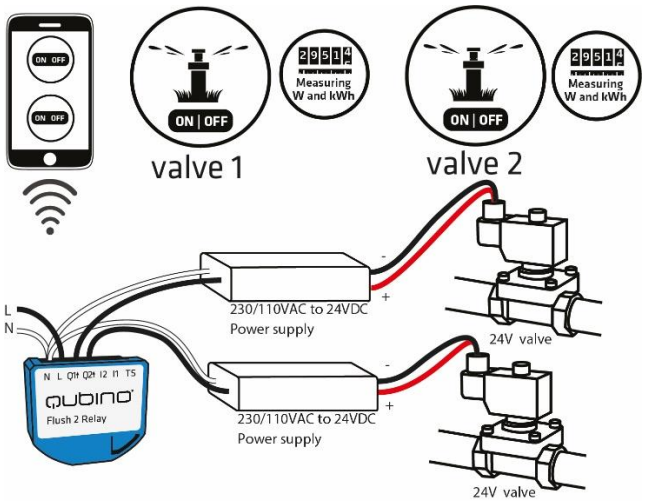


- Remotely measure room temperature (*The temperature sensor is sold separately - for more info, please see Qubino catalogue. Product ordering code (model number): ZMNHEA1)

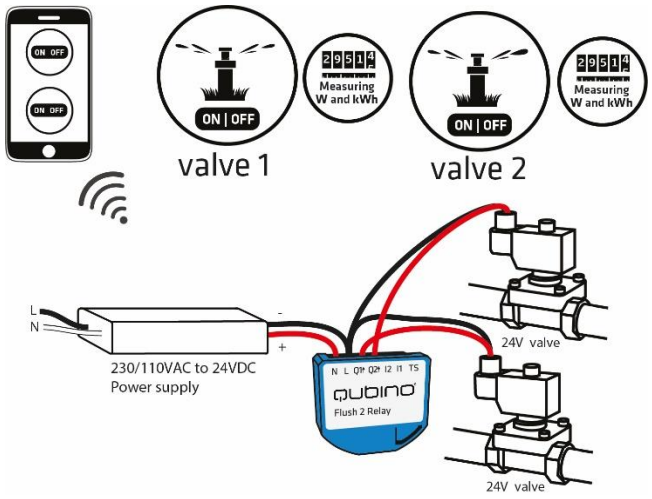


Installation examples where Flush 2 Relay is installed in electrical box

- Remotely control two irrigation sprinkle valves - 24 VDC, option 1



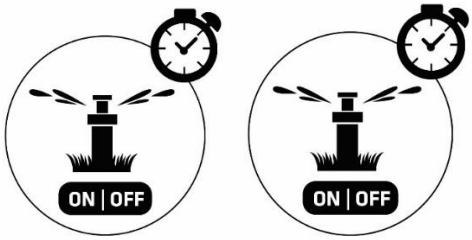
- Remotely control two irrigation sprinkle valves - 24 VDC, option 2



Additional features of Flush 2 Relay which can make your life easier

- **Do you worry that your irrigation system can expose your garden to flooding?**

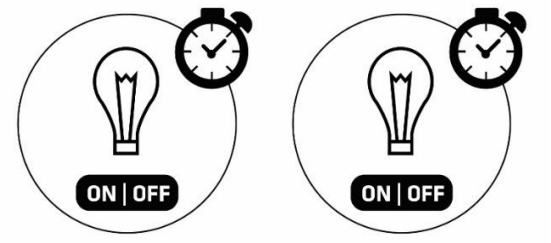
- Sometimes your Z-Wave gateway (hub) can stop working while you're away from home (no internet connection, power outage, etc). If you have an irrigation scene scheduled, your gateway (hub) might not send an OFF command to your irrigation system, leaving your garden flooded and water bill more expensive than you'd like. The Flush 2 Relay offers the option to set the timing for irrigation for a specific amount of time internally; it then automatically stops watering, completely independent of your gateway's (hub's) commands.



For the 24VDC use case, please check the chapter above.

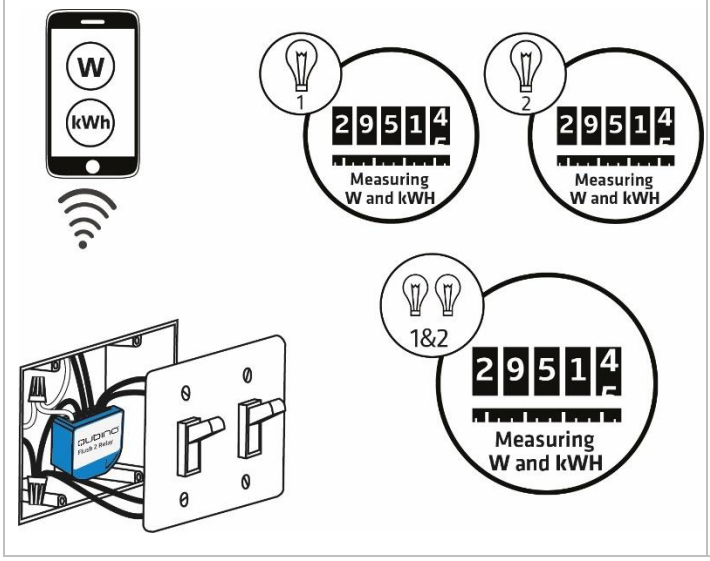
- **Do you often forget to turn off devices when you leave your home, like lights in the basement or attic?**

- The Flush 2 Relay can automatically turn devices/lights on or off after a set period of time (when you're away from home). For example, the lights will automatically turn off if it's been on for 8 hours, let's say. This function is independent of other scenes and gateway (hub) commands.



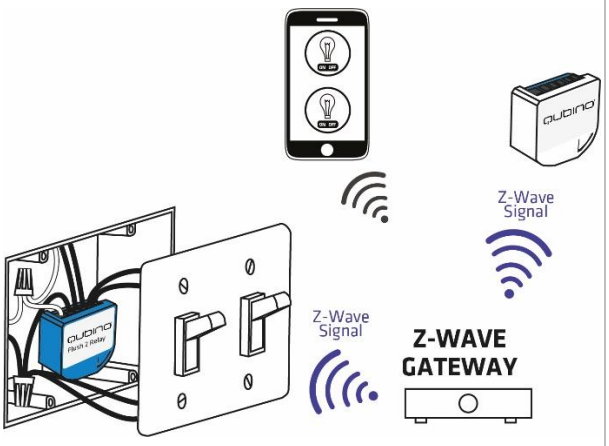
- **Do you know how much energy you consume?**

- The Flush 2 Relay monitors and reports energy consumption of connected devices in real time to your smart home app (your gateway (hub) needs to support this feature). Know how much power your light or other connected devices is using.



- **Want to control other devices in your Z-Wave network with the Flush 2 Relay?**

- Connect the Flush 2 Relay with other devices in your network to remotely and automatically trigger another Z-Wave device. And have other Z-Wave devices trigger your Qubino Flush 2 Relay.



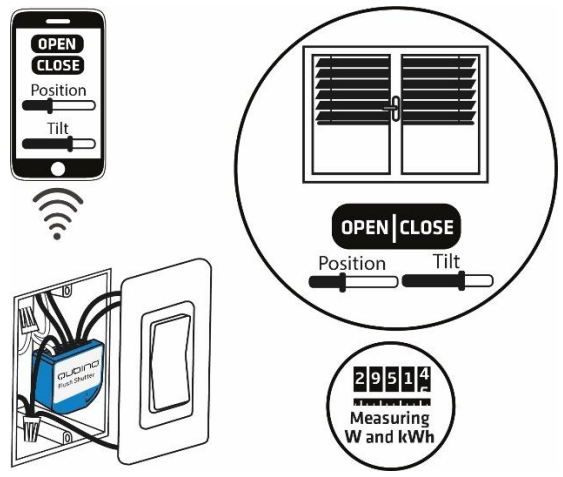
SHUTTERS

10. Flush shutter

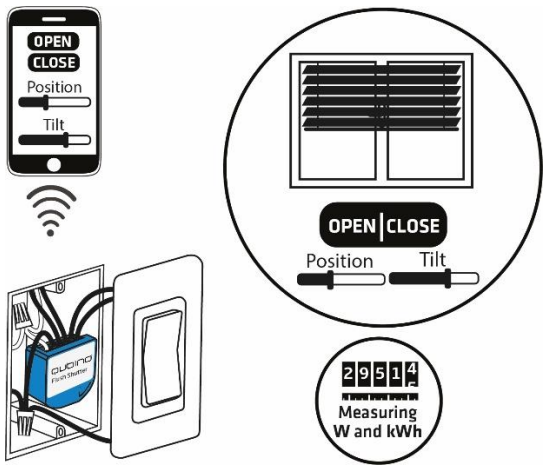
The Flush Shutter can be used in many different scenes, which can help make your life more comfortable. We have prepared a few of them for you-so you can get an idea for your next smart home project. Of course, there are countless of other options for how to use Qubino Flush Shutter to remotely control devices via your smartphone.

Installation examples where Flush Shutter is installed behind a wall switch

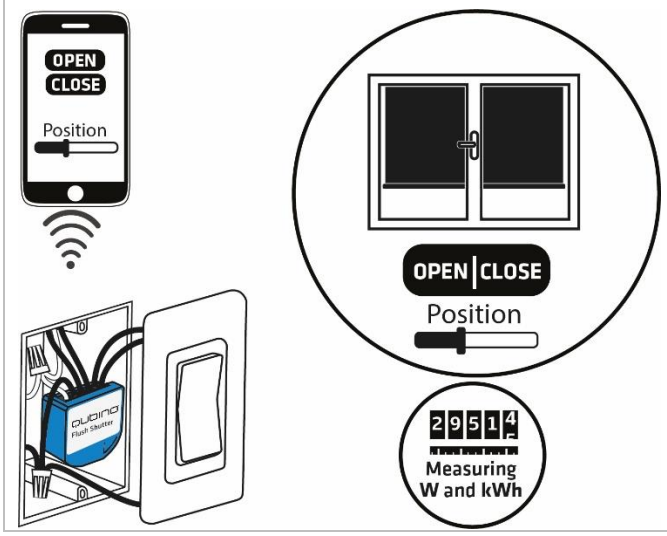
- Remotely control outdoor venetian blinds



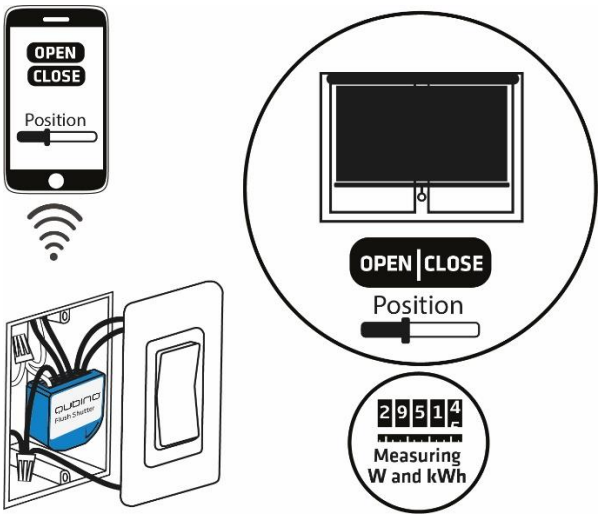
- Remotely control indoor venetian blinds



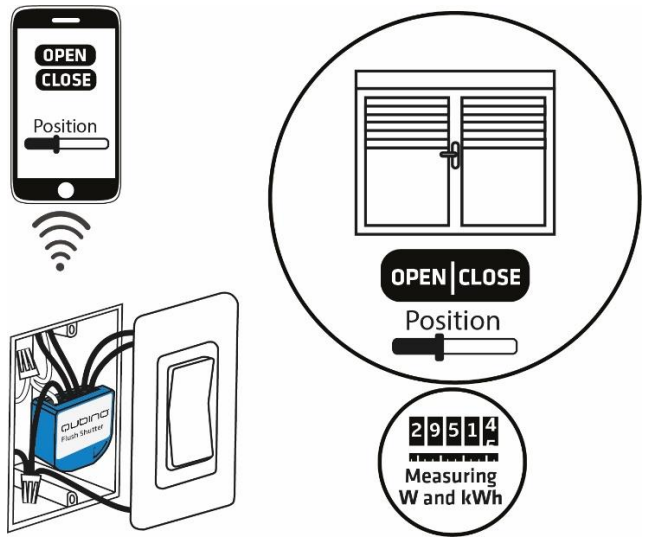
- Remotely control outdoor screens



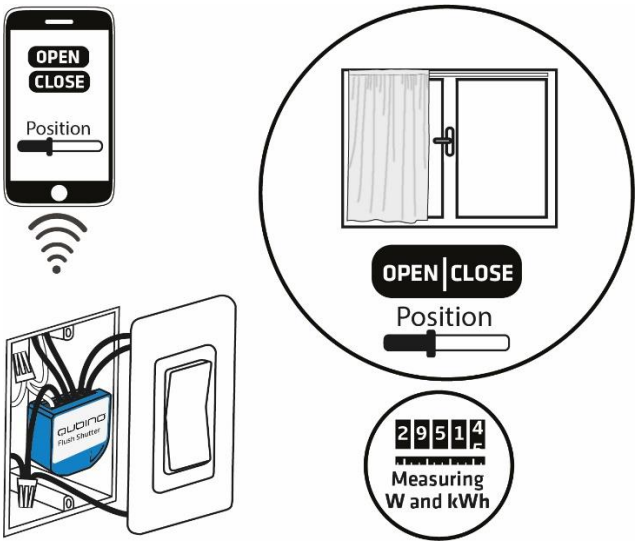
- Remotely control indoor screens



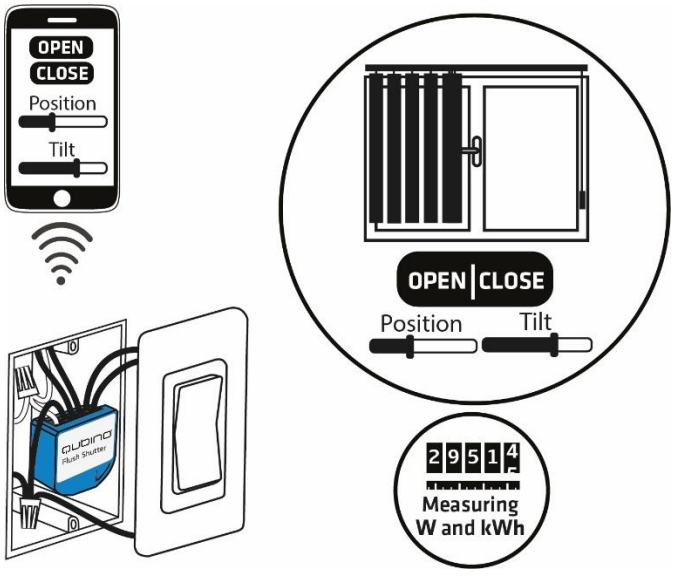
- Remotely control rollers



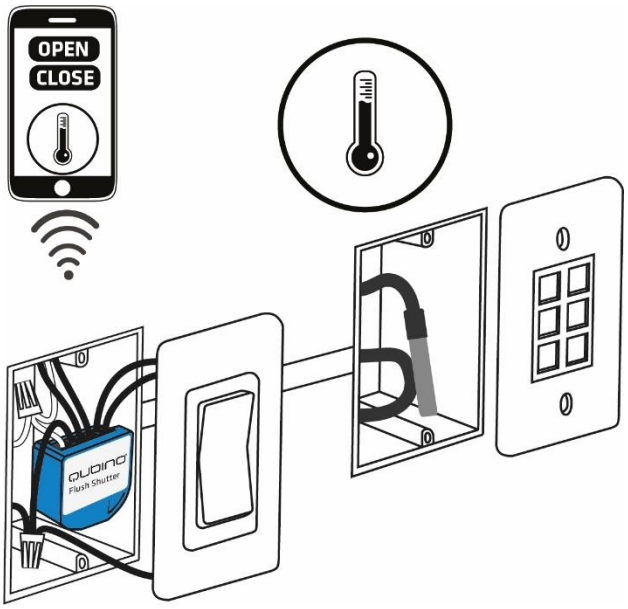
- Remotely control curtains

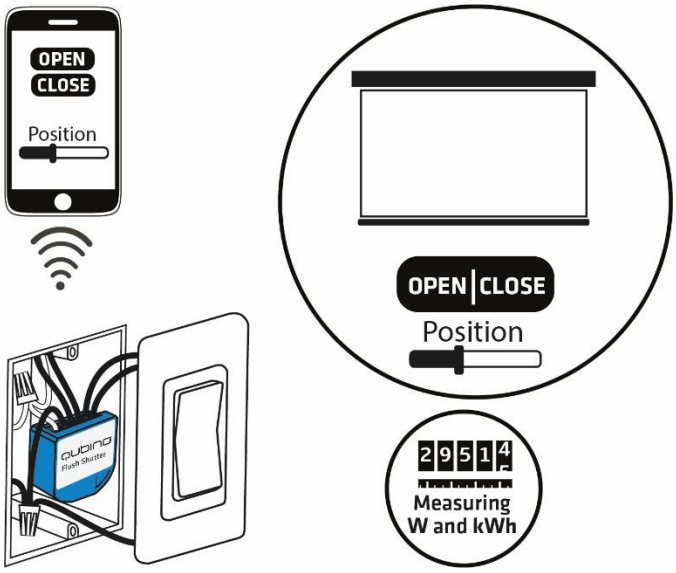
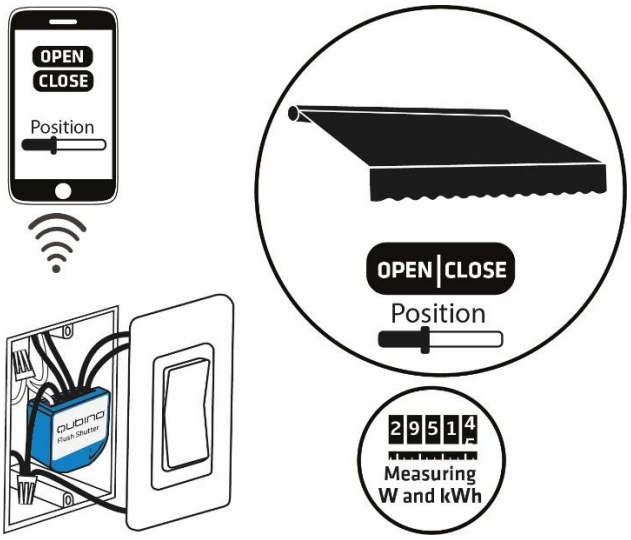


- Remotely control vertical window blinds



- Remotely measure room temperature (*The temperature sensor is sold separately - for more info, please see Qubino catalogue. Product ordering code (model number): ZMNHEA1)

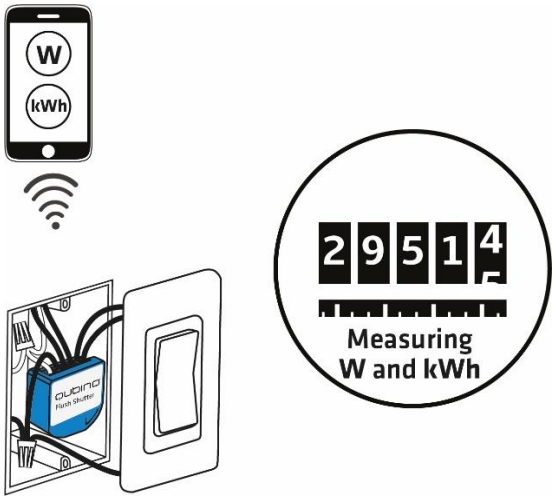


• Remotely control projector screen 	• Remotely control retractable awnings 

Additional features of Flush Shutter which can make your life easier

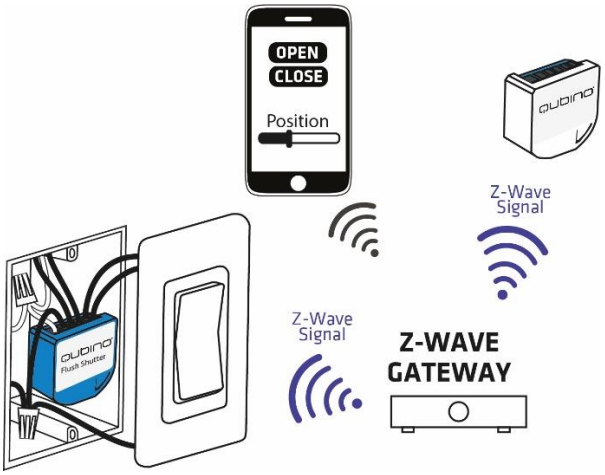
- **Do you know how much energy you consume?**

- The Flush Shutter monitors and reports energy consumption of connected devices in real time to your smart home app (your gateway (hub) needs to support this feature).



- **Want to control other devices in your Z-Wave network with the Flush Shutter?**

- Connect the Flush Shutter with other devices in your network to remotely and automatically trigger another Z-Wave device. And have other Z-Wave devices trigger your Qubino Flush Shutter.

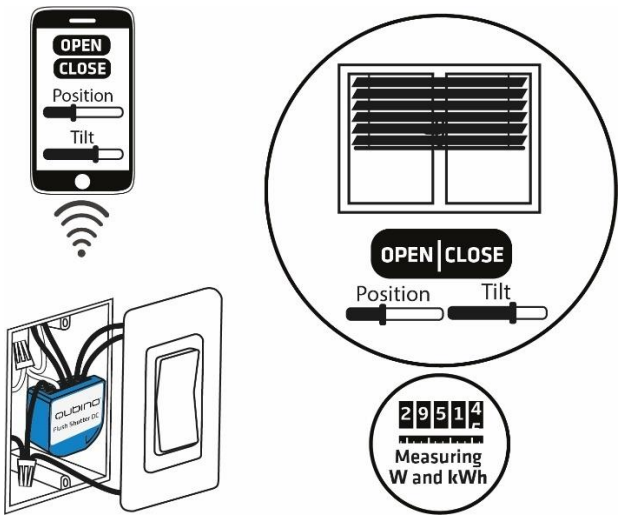


11. Flush Shutter DC

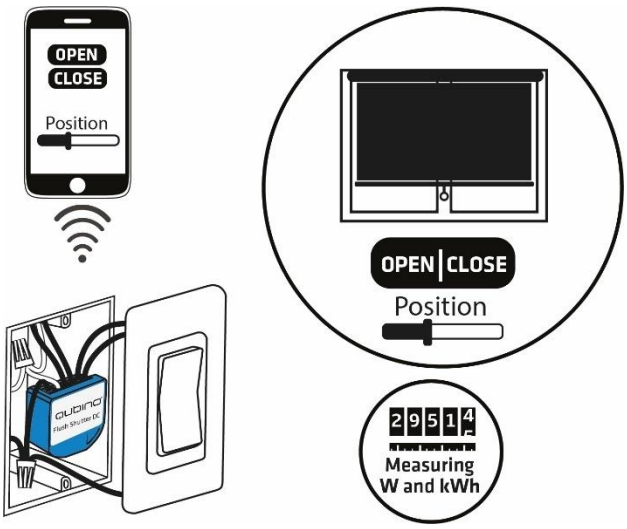
The Flush Shutter DC can be used in many different scenes, which can help make your life more comfortable. We have prepared a few of them for you-so you can get an idea for your next smart home project. Of course, there are countless of other options for how to use Qubino Flush Shutter DC to remotely control devices via your smartphone.

Installation examples where Flush Shutter DC is installed behind a wall switch

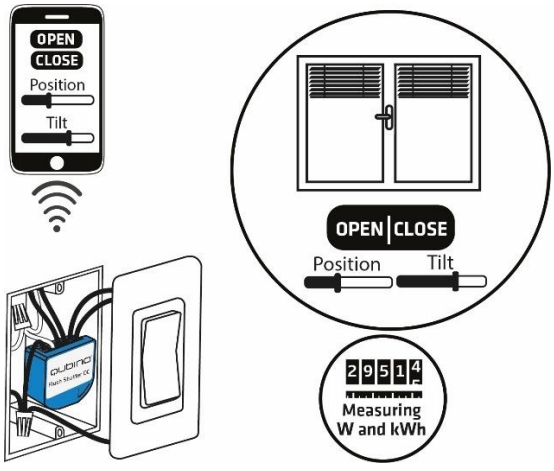
- Remotely control indoor venetian blinds



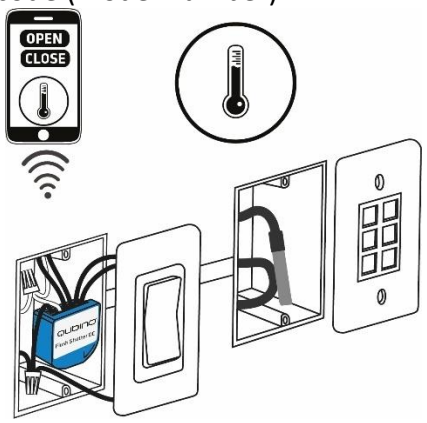
- Remotely control indoor screens



- Remotely control integral venetian blinds (blinds between glass)



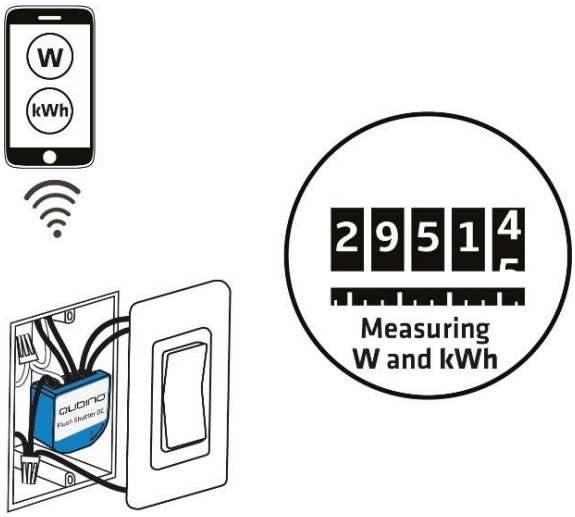
- Remotely measure room temperature (*The temperature sensor is sold separately - for more info, please see Qubino catalogue. Product ordering code (model number): ZMNHEA1)



Additional features of Flush Shutter DC which can make your life easier

- **Do you know how much energy you consume?**

- The Flush Shutter DC monitors and reports energy consumption of connected devices in real time to your smart home app (your gateway (hub) needs to support this feature).



- **Want to control other devices in your Z-Wave network with the Flush Shutter DC?**

- Connect the Flush Shutter DC with other devices in your network to remotely and automatically trigger another Z-Wave device. And have other Z-Wave devices trigger your Qubino Flush Shutter DC.

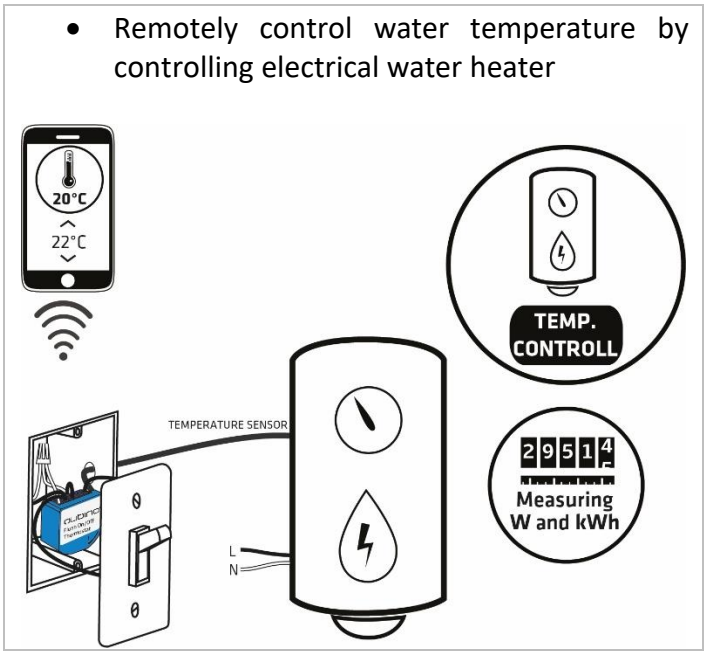
CLIMATE CONTROL

12. Flush ON/OFF Thermostat

The Flush On/Off Thermostat can be used in many different scenes, which can help make your life more comfortable. We have prepared a few of them for you-so you can get an idea for your next smart home project. Of course, there are countless of other options for how to use Qubino Flush On/Off Thermostat to remotely control devices via your smartphone.

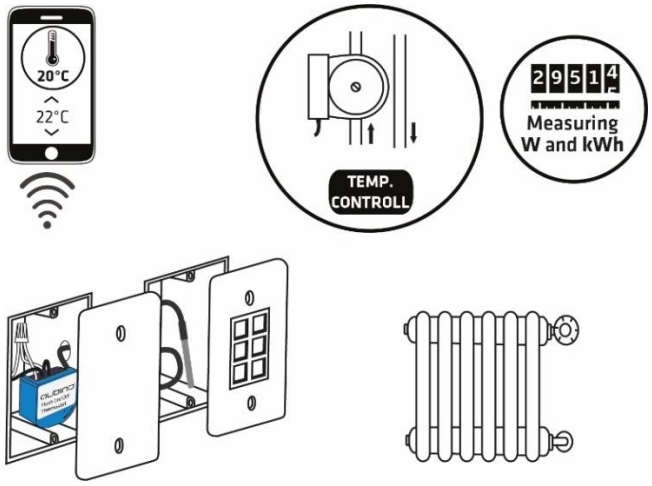
Installation examples where Flush On/Off Thermostat is installed behind a wall switch

- Remotely control water temperature by controlling electrical water heater

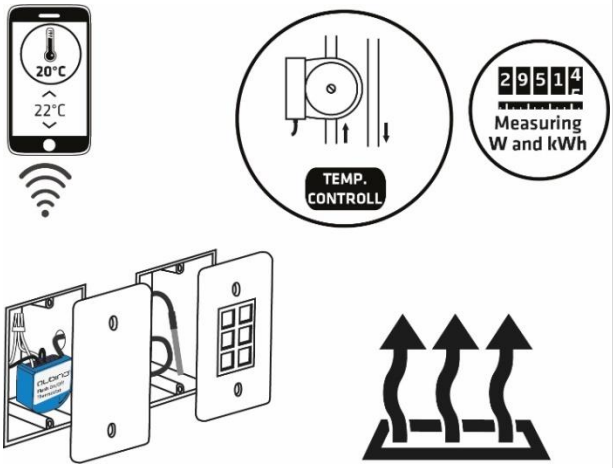


Installation examples where Flush On/Off Thermostat is installed in the switch box

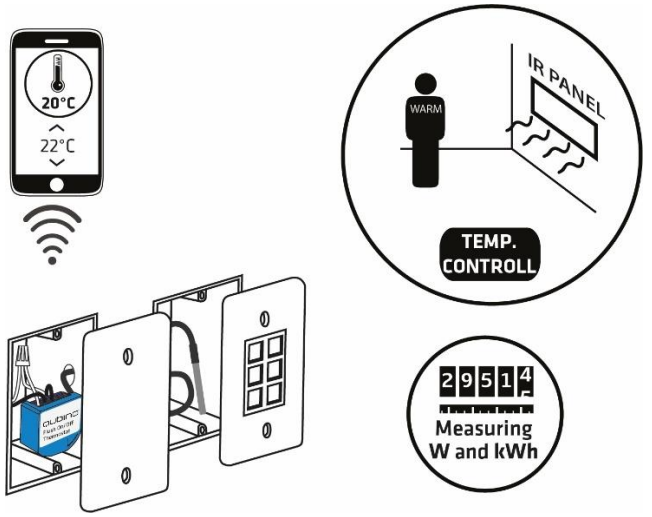
- Remotely control room temperature by controlling circulation pumps for heating radiators



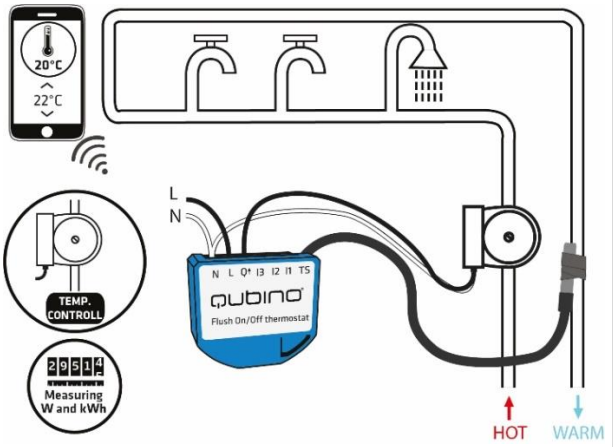
- Remotely control room temperature by controlling circulation pumps for underfloor heating systems



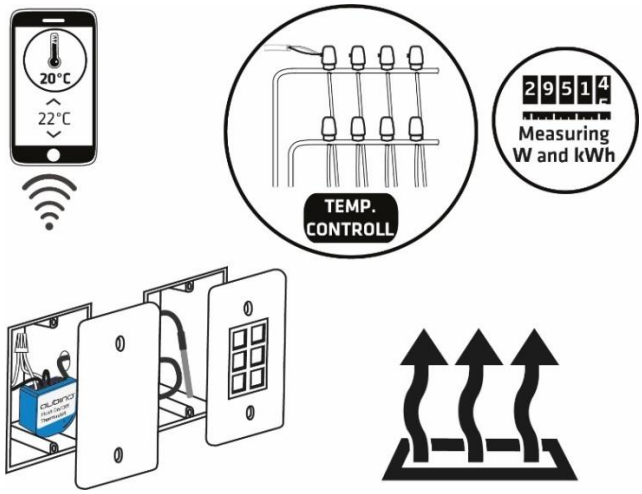
- Remotely control room temperature by controlling wall mounted infrared heating panel



- Remotely control water temperature by controlling sanitary hot water recirculation pump



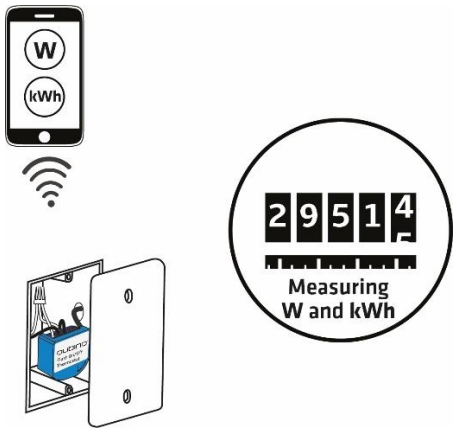
- Remotely control room temperature by controlling valves for underfloor heating systems



Additional features of Flush On/Off Thermostat which can make your life easier

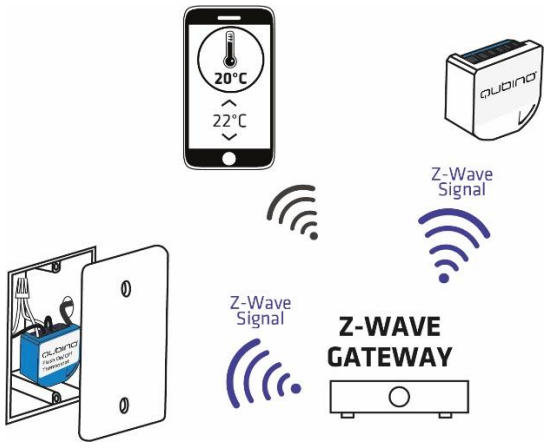
- **Do you know how much energy you consume?**

- The Flush On/Off Thermostat monitors and reports energy consumption of connected devices in real time to your smart home app (your gateway (hub) needs to support this feature). Know how much power your heating system is using.



- **Want to control other devices in your Z-Wave network with the Flush On/Off Thermostat?**

- Connect the Flush On/Off Thermostat with other devices in your network to remotely and automatically trigger another Z-Wave device. And have other Z-Wave devices trigger your Qubino Flush On/Off Thermostat.

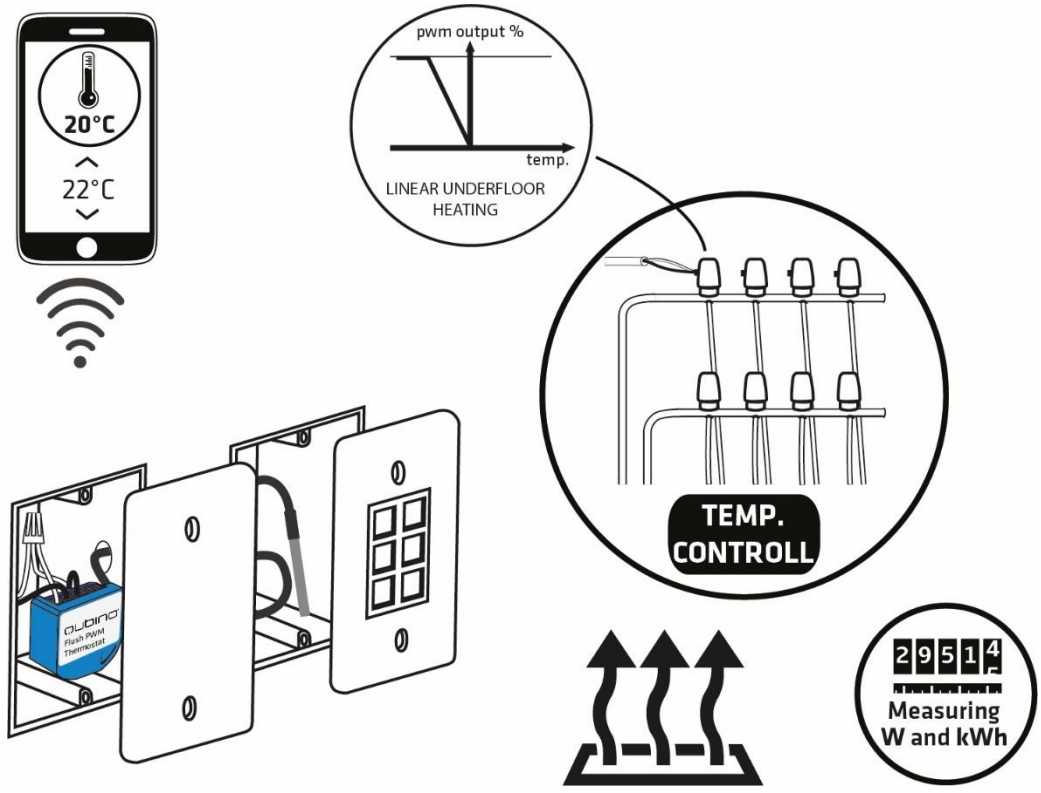


13. Flush PWM Thermostat

The Flush PWM Thermostat can be used in many different scenes, which can help make your life more comfortable. We have prepared a few of them for you-so you can get an idea for your next smart home project. Of course, there are countless of other options for how to use Qubino Flush PWM Thermostat to remotely control devices via your smartphone.

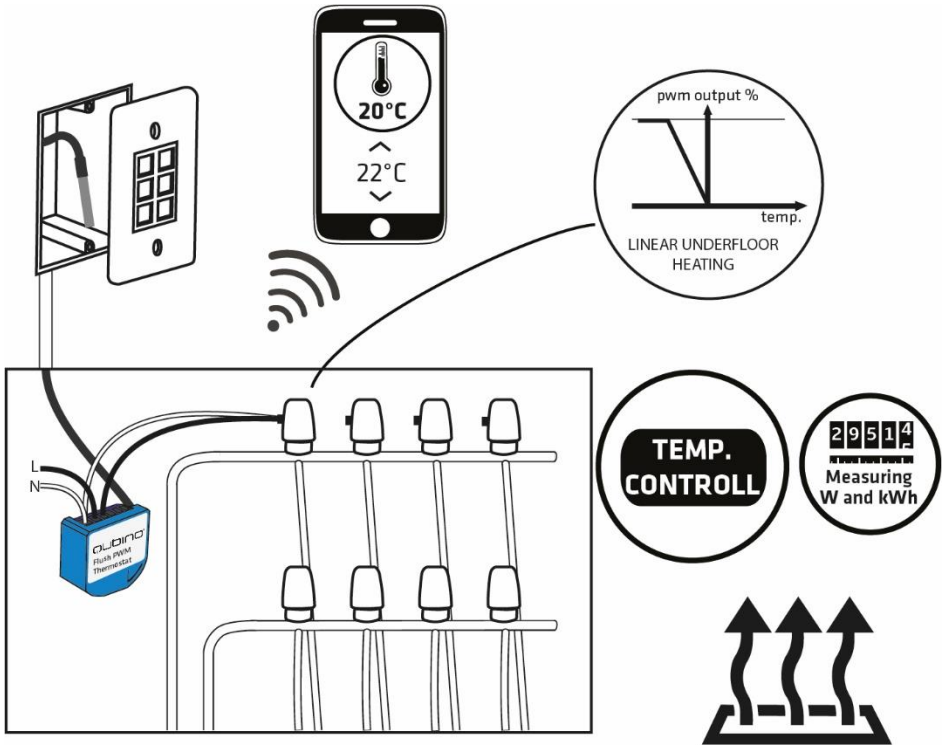
Installation examples where Flush PWM Thermostat is installed in the switch box

- Remotely control room temperature by controlling valves for underfloor heating systems (linear (analogue) valves)



Installation examples where Flush PWM Thermostat is installed in the underfloor heating valve box

- Remotely control room temperature by controlling valves for underfloor heating systems (linear (analogue) valves)



<u>Benefits of controlling the underfloor heating with linear (analogue) valve:</u>

If you use linear (analogue) valves for your underfloor heating system you are able to control temperature more accurately.

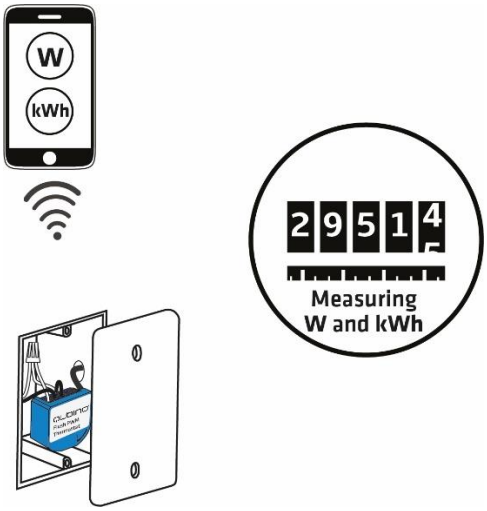
This is possible because linear (analogue) valves can gradually adjust the flow of hot water in the underfloor heating system - according to the measured temperature in the room.

The result of temperature regulation is smaller flow of hot water in the system and vice versa. Therefore, the temperature is steadier with fewer fluctuations. This can help you reduce your heating costs, which can become more optimized. Also your room temperature is steadier and more pleasant for you and your family.

Additional features of Flush PWM Thermostat which can make your life easier

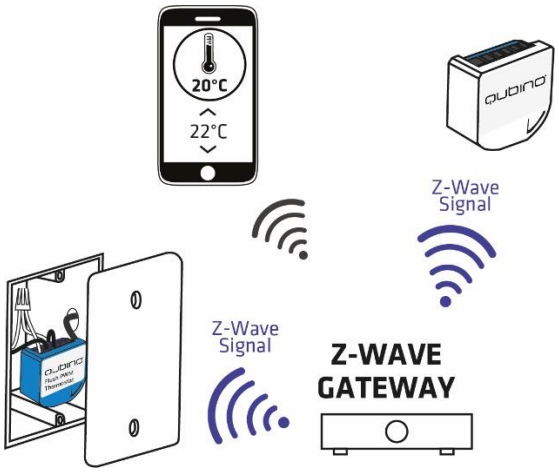
- **Do you know how much energy you consume?**

- The Flush PWM Thermostat monitors and reports energy consumption of connected devices in real time to your smart home app (your gateway (hub) needs to support this feature). Know how much power your heating system is using.



- **Want to control other devices in your Z-Wave network with the Flush PWM Thermostat?**

- Connect the Flush PWM Thermostat with other devices in your network to remotely and automatically trigger another Z-Wave device. And have other Z-Wave devices trigger your Qubino Flush PWM Thermostat.



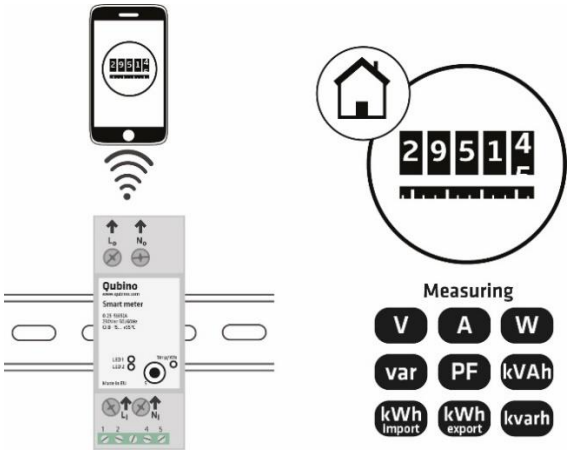
METERING

14. SMART METER – Single Phase

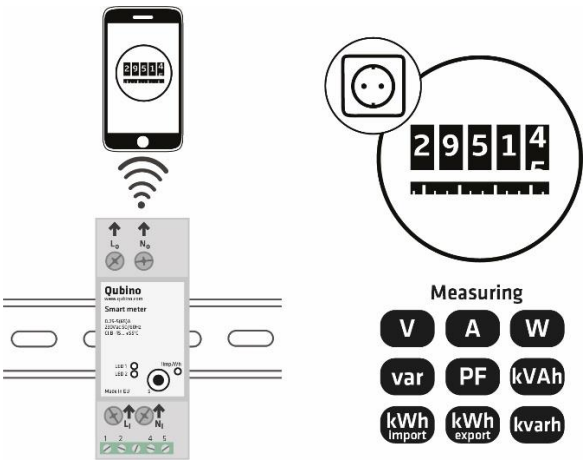
The Smart Meter can be used in many different scenes, which can help make your life more comfortable. We have prepared a few of them for you-so you can get an idea for your next smart home project. Of course, there are countless of other options for how to use Qubino Smart Meter to measuring energy in a single-phase electrical power network of up to 65A and remotely control devices via your smartphone.

Installation examples for the Smart Meter - used for measuring energy consumption

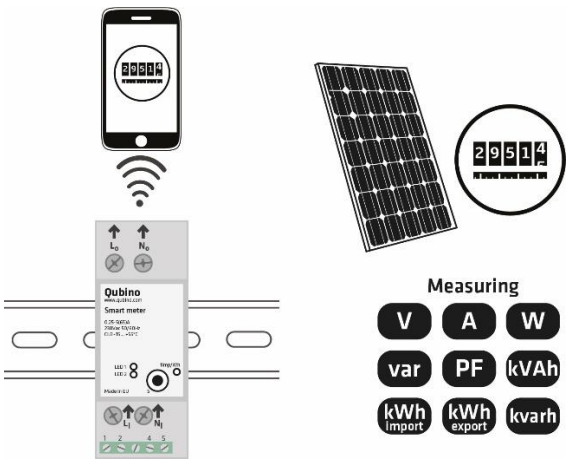
- Track power consumption of the house



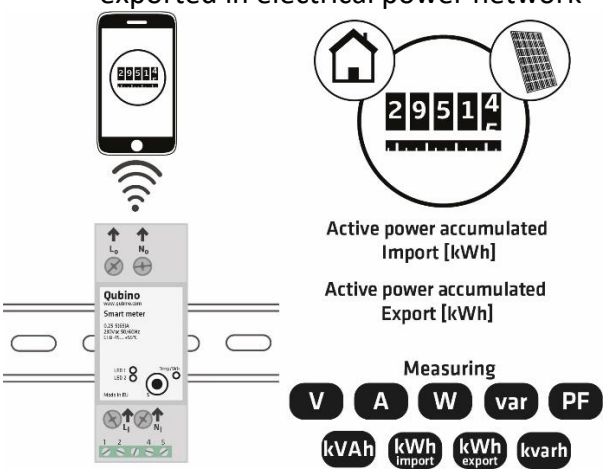
- Track power consumption of one electrical device



- Track power generated by solar power plant



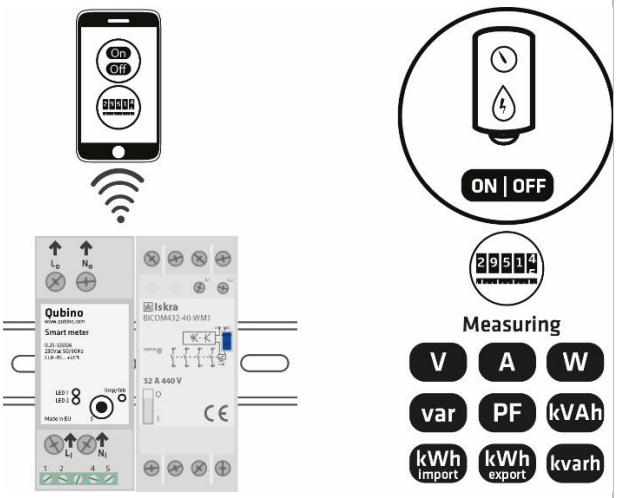
- Track power consumed from the electrical power network and power exported in electrical power network



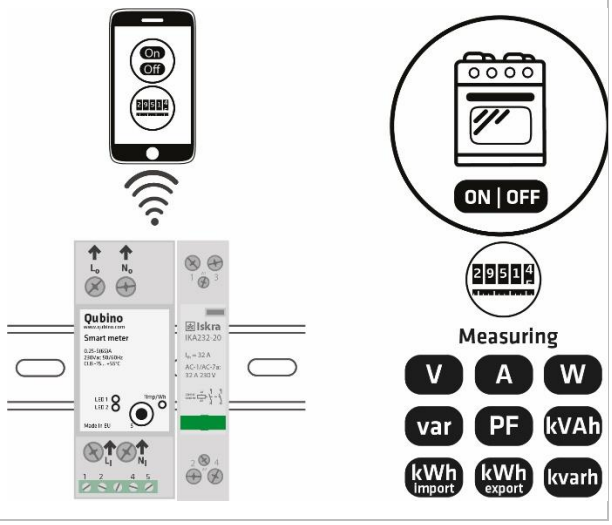
Installation examples for the Smart Meter - used for measuring energy consumption and for controlling* electrical devices

(*with additional external contactors - IKA/BICOM. IKA and BICOM are sold separately - for more info, please see Qubino catalogue. Product ordering codes (model numbers): IKA232-20/230V: 030 046 833 000; BICOM432-40-WM1: 30.074.038)

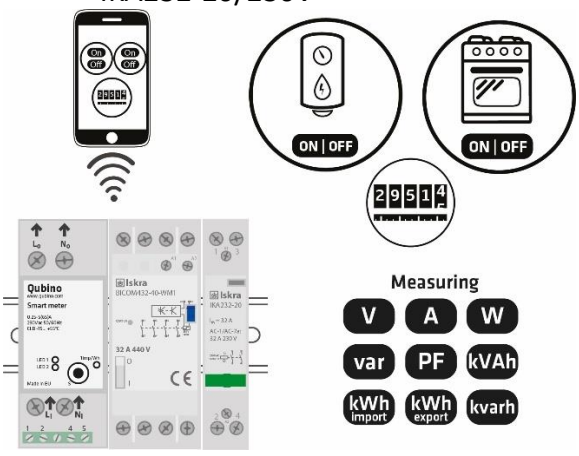
- Remotely control and measure power consumption of one electrical device (for example: water heater) – with BICOM432-40-WM1



- Remotely control and measure power consumption of one electrical device (for example: oven) – with IKA232-20/230V



- Remotely control and measure power consumption of two electrical devices (for example: water heater and oven) – with BICOM432-40-WM1 and IKA232-20/230V



Additional features of Smart Meter which can make your life easier*

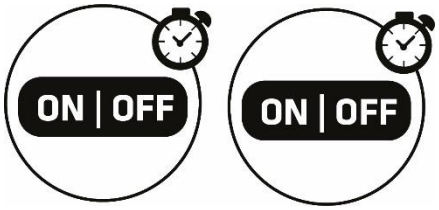
(*with additional external contactors - IKA/BICOM. IKA and BICOM are sold separately - for more info, please see Qubino catalogue. Product ordering codes (model numbers): IKA232-20/230V: 030 046 833 000; BICOM432-40-WM1: 30.074.038)

- **Do you often notice that some devices in your household consume too much energy?**

- The Smart Meter can automatically turn devices/lights off after they exceed the set power consumption. For example, the heating will automatically turn off after it reaches the set power consumption value. This function is independent of other scenes and gateway (hub) commands.

- **Do you often forget to turn off devices when you leave your home, like lights in the basement or attic?**

- The Smart Meter can automatically turn devices/lights on or off after a set period of time (when you're away from home). For example, the light will automatically turn off if it's been on for 8 hours, let's say. This function is independent of other scenes and gateway (hub) commands.



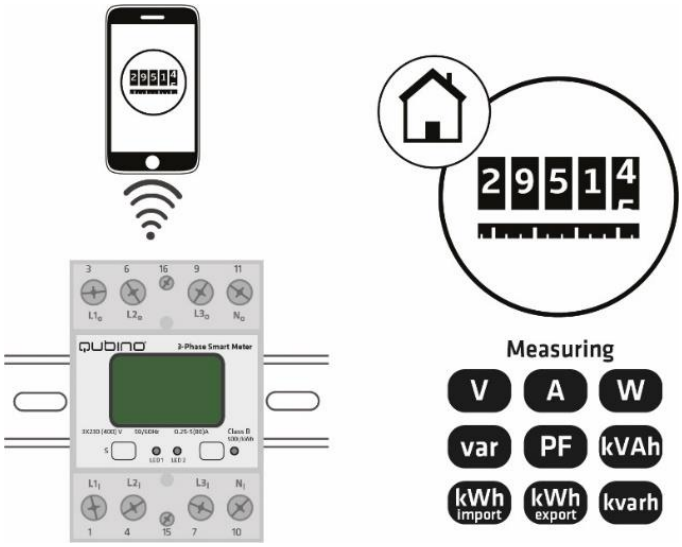
15. 3-Phase Smart Meter

The 3-Phase Smart Meter can be used in many different scenes, which can help make your life more comfortable. We have prepared a few of them for you-so you can get an idea for your next smart home project. Of course, there are countless of other options for how to use Qubino 3-Phase Smart Meter to remotely control devices via your smartphone.

Installation examples for the 3-Phase Smart Meter - used for measuring consumption

<table>
<tr>
<td>

- Track power consumption of the house



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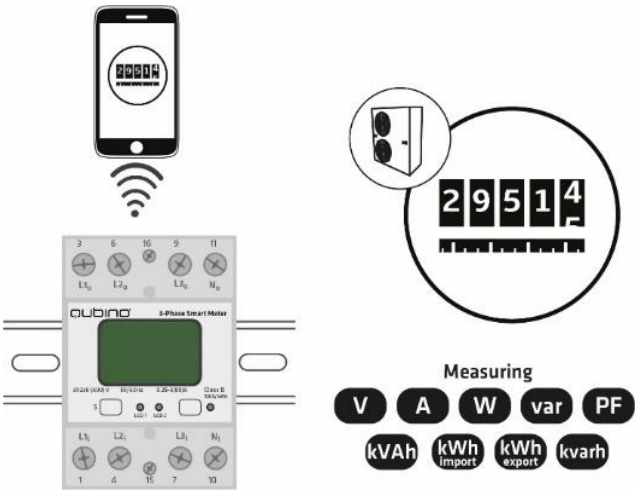
<td>

- Track power consumption of one 3-phase electrical device (for example: 3-phase heat pump)



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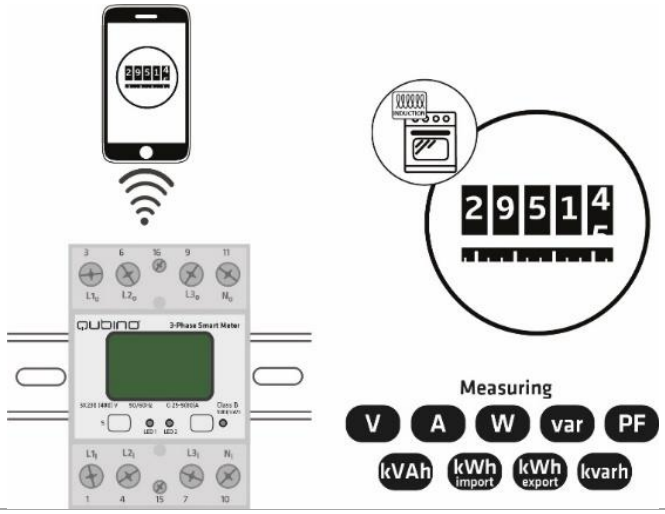
</tr>
<tr>
<td>

- Track power consumption of one 3-phase electrical device (for example: induction oven)



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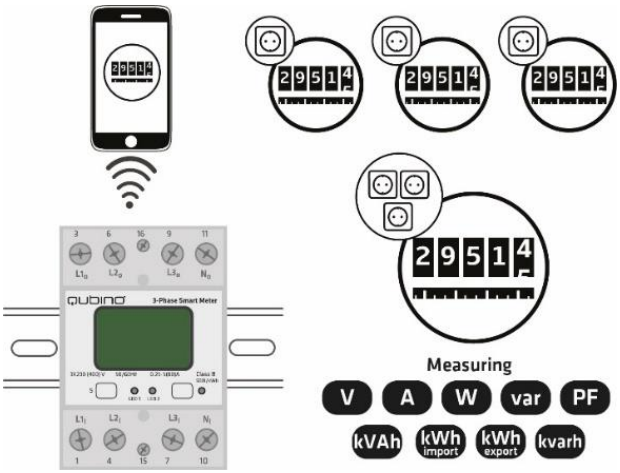
<td>

- Track power consumption for each of 3 electrical devices



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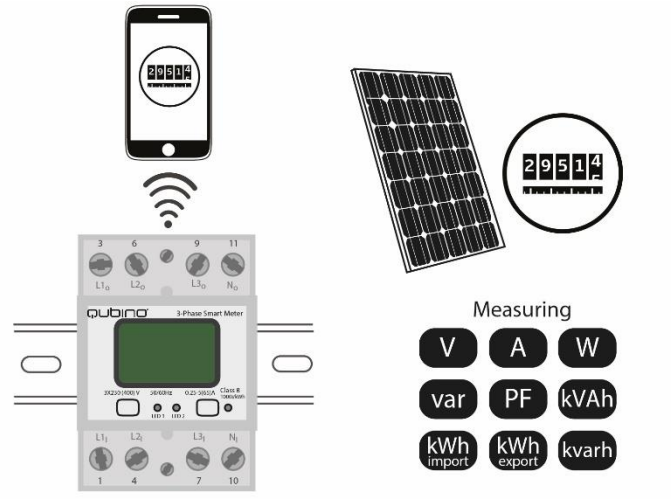
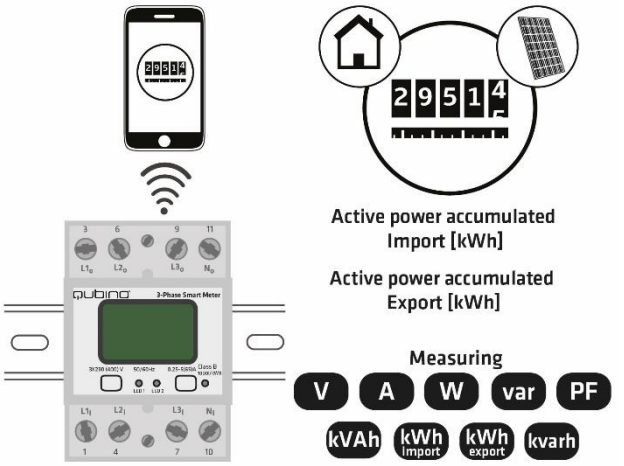
</table>

- Track the power generated by the solar power plant



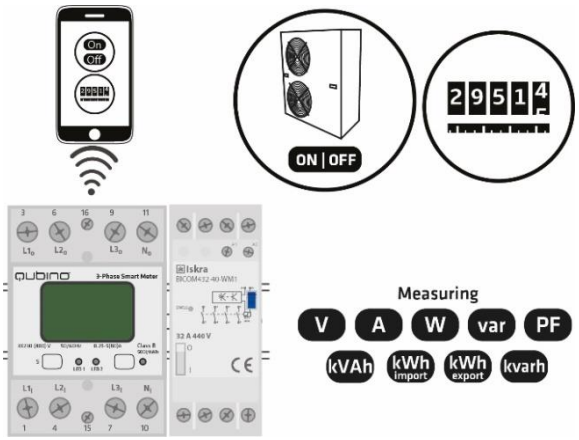
- Track the power consumed from the electrical power network and power exported in electrical power network



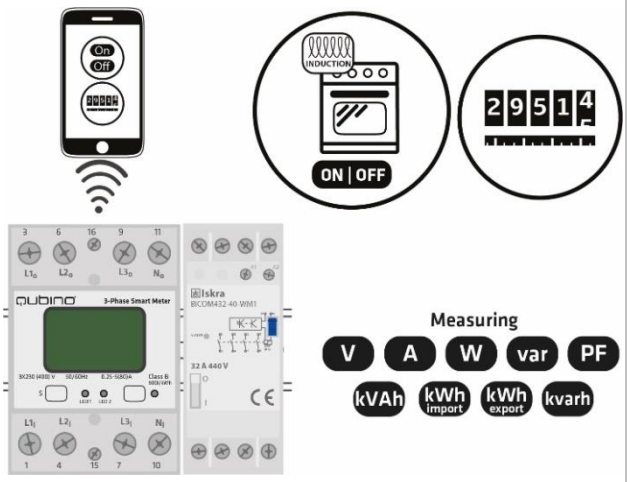
Installation examples for the 3-Phase Smart Meter - used for measuring consumption and controlling* electrical devices

(*with additional external contactors - IKA/BICOM. IKA and BICOM are sold separately - for more info, please see Qubino catalogue. Product ordering codes (model numbers): IKA232-20/230V: 030 046 833 000; BICOM432-40-WM1: 30.074.038)

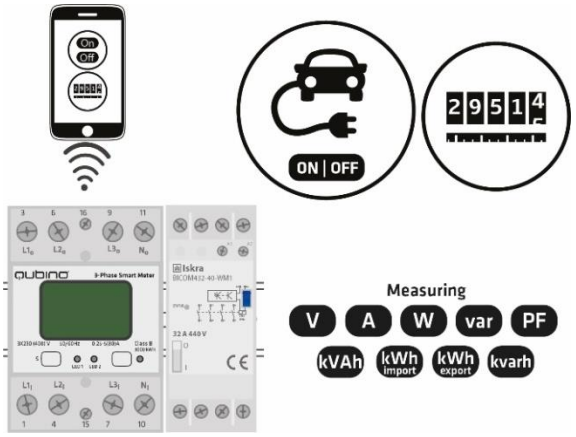
- Remotely control and measure 3-phase power consumption of one electrical device (for example: heat pump) – with BICOM432-40-WM1



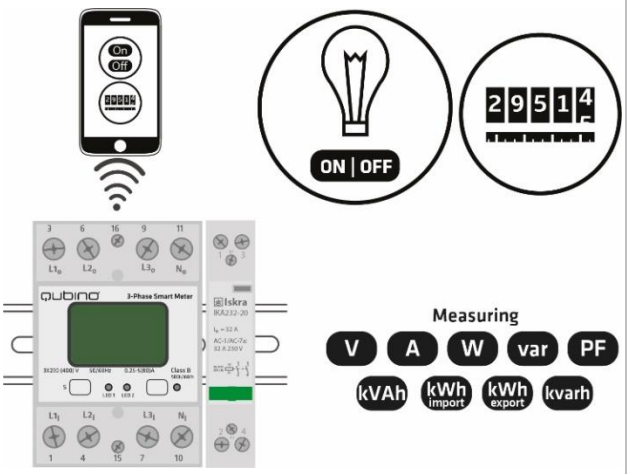
- Remotely control and measure 3-phase power consumption of one electrical device (for example: induction oven) – with BICOM432-40-WM1



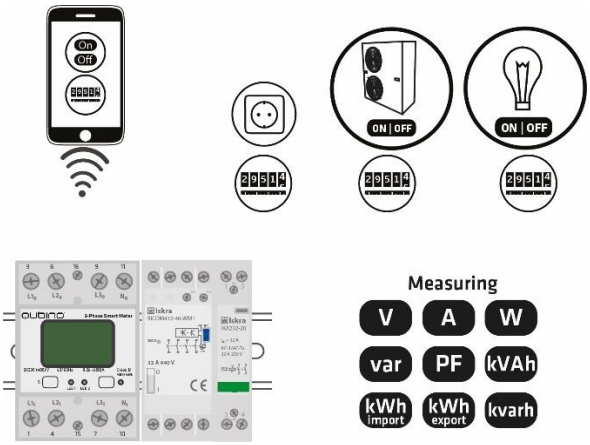
- Remotely control and measure 3-phase power consumption of one electrical device (for example: accurate information of electrical car energy consumption) – with BICOM432-40-WM1



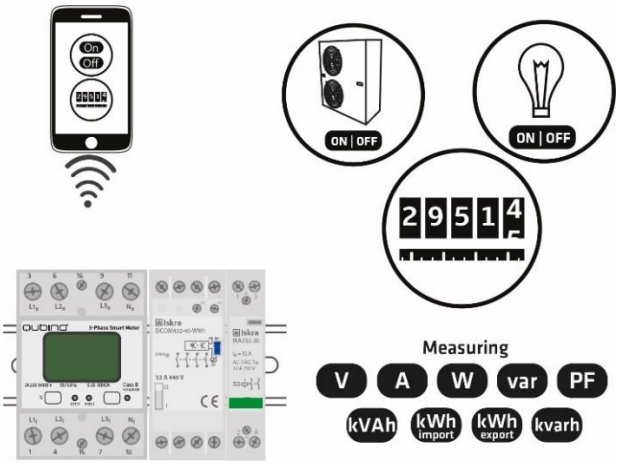
- Remotely measure power consumption of whole house and control one group of electrical devices (for example: lights) – with IKA232-20/230V



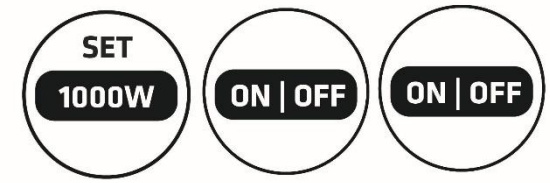
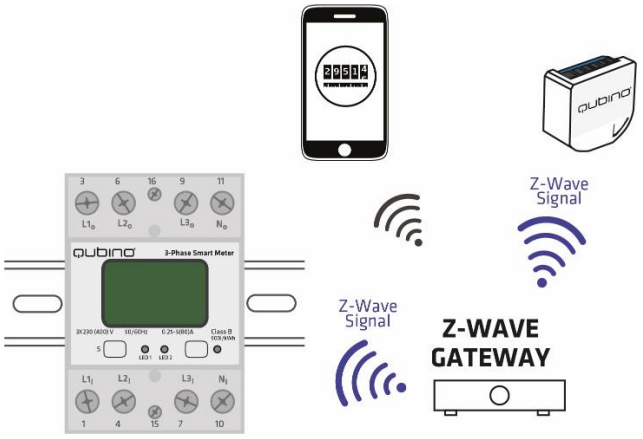
- Track power consumption for each of three electrical devices and control two groups of electrical devices (for example: 3-phase heat pump and lights) – with BICOM432-40-WM1 and IKA232-20/230V



- Remotely measure power consumption of whole house and control two groups electrical devices (for example: 3-phase heat pump and lights) – with BICOM432-40-WM1 and IKA232-20/230V



Additional features of 3-Phase Smart Meter which can make your life easier

Do you often notice that some devices in your household consume too much energy? The 3-Phase Smart Meter can automatically turn devices/lights off after they exceed the set power consumption. For example, the heating will automatically turn off after it reaches the set power consumption value. This function is independent of other scenes and gateway (hub) commands. 	**Want to control other devices in your Z-Wave network with the 3-Phase Smart Meter?** Connect the 3-Phase Smart Meter with other devices in your network to remotely and automatically trigger another Z-Wave device. And have other Z-Wave devices trigger your Qubino 3-Phase Smart Meter. 

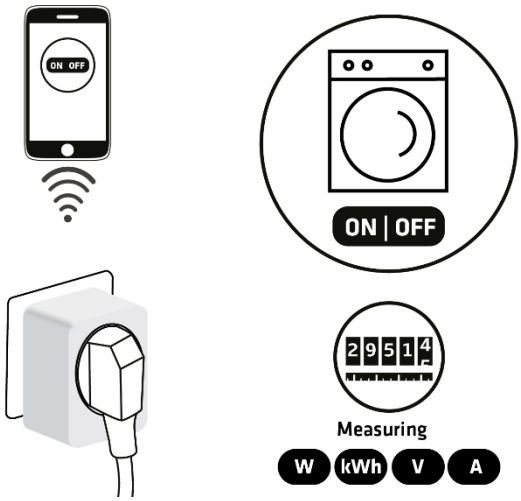
SMART PLUG

16. Smart Plug 16A

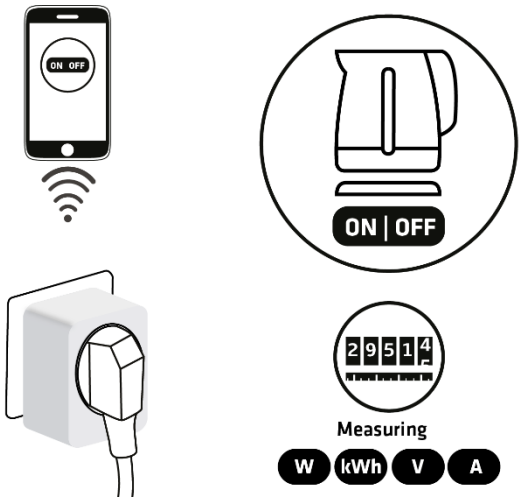
The Smart Plug 16A can be used in many different scenes, which can help make your life more comfortable. We have prepared a few of them for you-so you can get an idea for your next smart home project. Of course, there are countless of other options for how to use Qubino Smart Plug 16A to remotely control devices via your smartphone.

Usage examples for Smart Plug 16A – for switching device on/off and measuring power consumption of the connected device

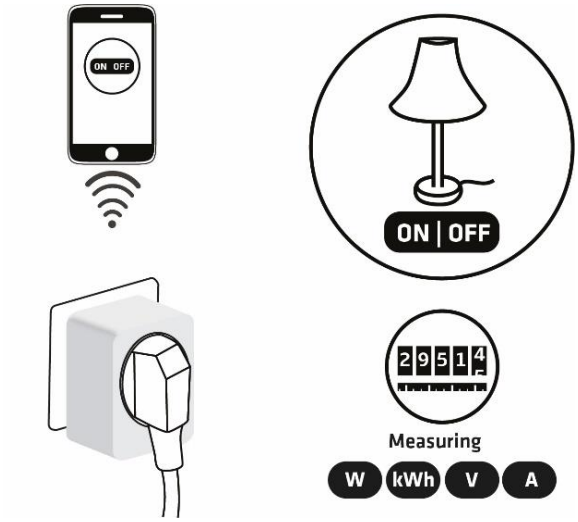
- Remotely control a tumble dryer



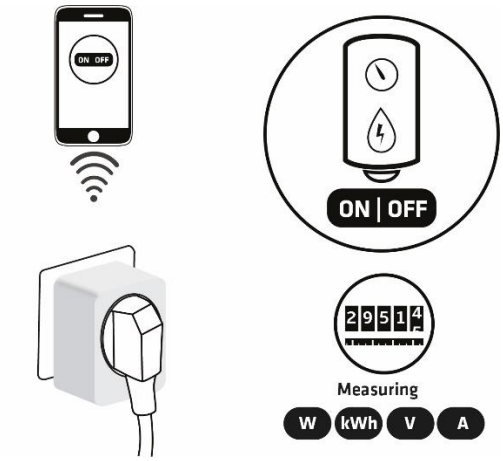
- Remotely control a water heater



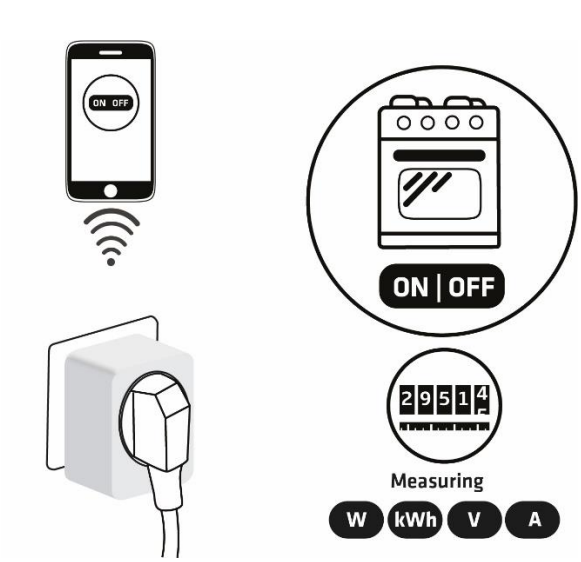
- Remotely control a lamp



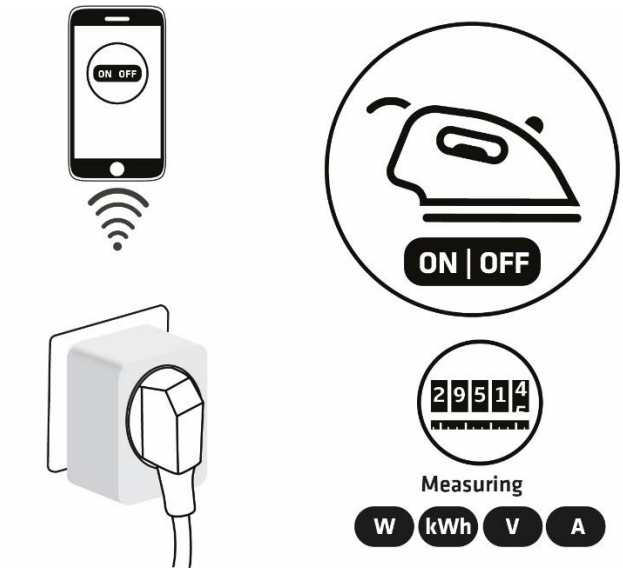
- Remotely control domestic hot water tank



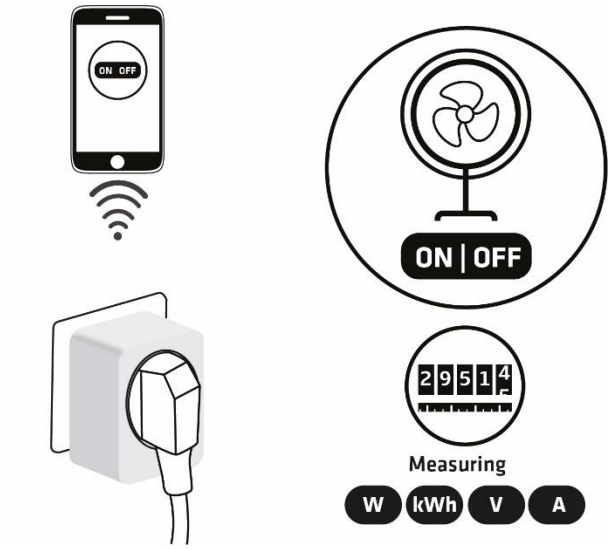
- Remotely control an oven



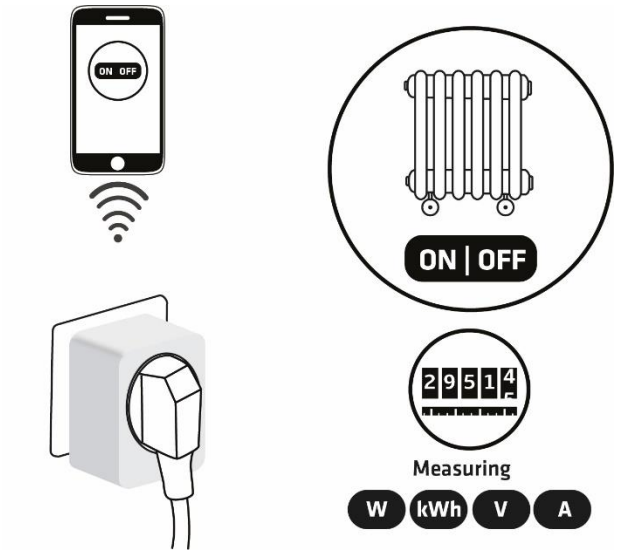
- Remotely control an iron



- Remotely control a fan

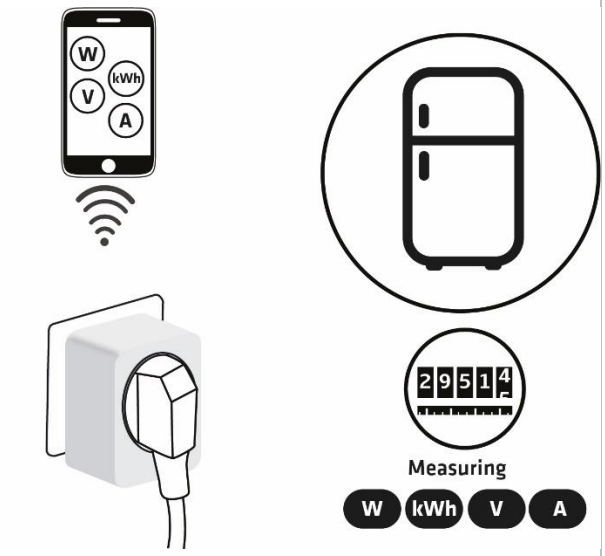


- Remotely control an electric radiator

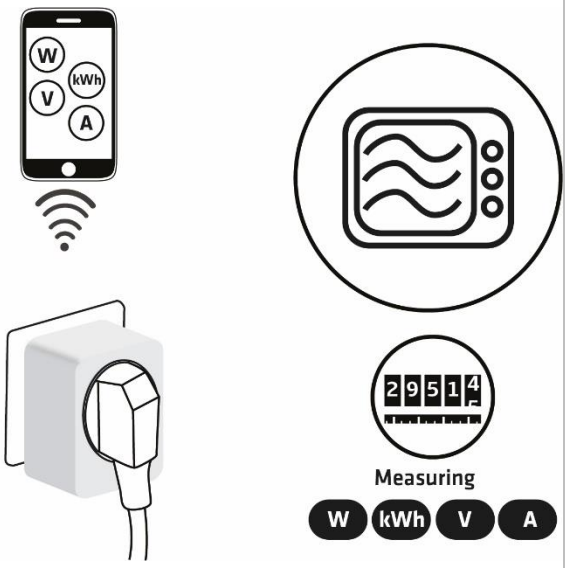


Usage examples for Smart Plug 16A – for measuring power consumption of the connected device

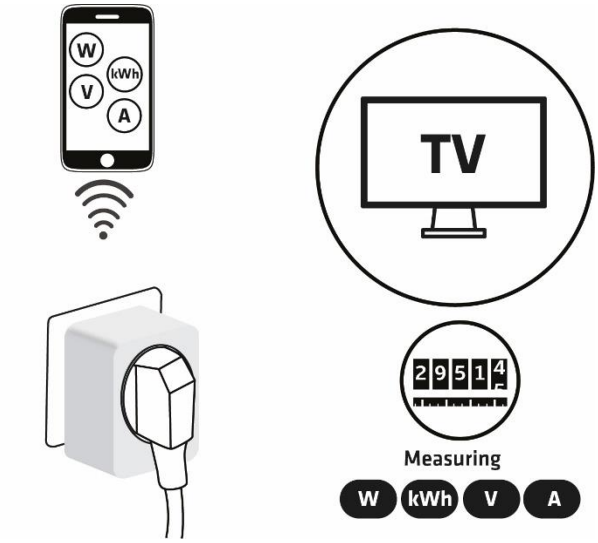
- Remotely measure power consumption of refrigerator



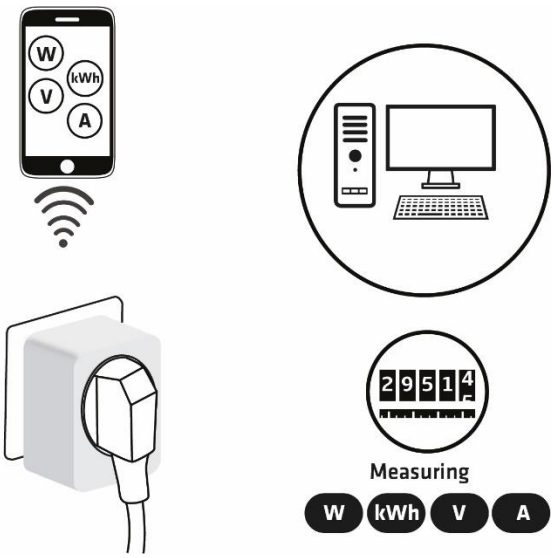
- Remotely measure power consumption of microwave oven



- Remotely measure power consumption of television

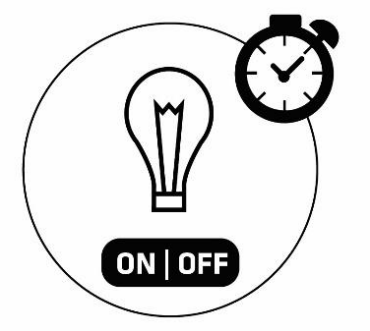


- Remotely measure power consumption of computer connected to a power socket

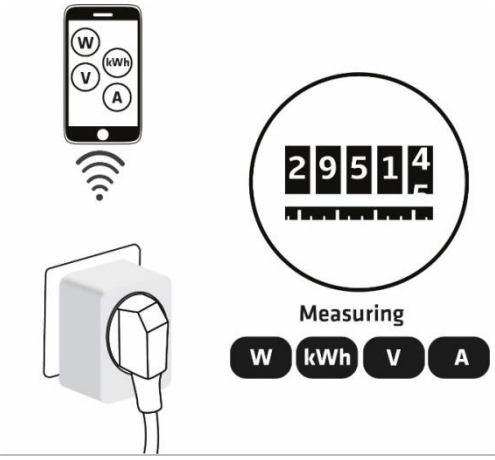


Additional features of Smart Plug 16A which can make your life easier

- **Do you often forget to turn off devices when you leave your home, like lights in the basement or attic?**
  The Smart Plug 16A can automatically turn devices/lights on or off after a set period of time (when you're away from home). For example, the light will automatically turn off if it's been on for 8 hours, let's say. This function is independent of other scenes and gateway (hub) commands.



- **Do you know how much energy you consume?**
  The Smart Plug 16A monitors and reports energy consumption of connected devices in real time to your smart home app (your gateway (hub) needs to support this feature). Know how much power your light, domestic water tank, iron, etc, is using.



- **Want to control other devices in your Z-Wave network with the Smart Plug 16A?**
  Connect the Smart Plug 16A with other devices in your network to remotely and automatically trigger another Z-Wave device. And have other Z-Wave devices trigger your Qubino Smart Plug 16A.