FIBARO SYSTEM

Your home, Your imagination

FIBARO Z-Wave modules:

- Compatible with any Z-Wave home automation system,
- Fibaro electronic modules are smallest devices of the type in the World and can be installed in all standard wall switch boxes,
- Each module can be installed in 3 minutes, using just a screwdriver,
- Designed and made in EU, in compliance with all EU regulations,
- Available in competitive prices.

Home Center 2 FGHC2

Product Highlights:

Extremely efficient hardware architecture = fastest device of the type in the World,

- Ultra low energy consumption,
- Remote access via web page or mobile phone,
- Simple, user friendly interface,
- Fast and simple configuration,
- Geo localization – tracking Your family members,
- SMS notification,
- Manageable users' rights,
- Various devices' associations,
- Conditioning scenes depending on weather or other, user-defined variables,
- Advanced recovery system,
- System backup is always saved on attached pen drive, hidden in the casing,
- History of events.

Technical Specification

Intel Atom 1,6Ghz Processor

Thanks to it's efficiency, Home Center 2 is much, much faster than other Z-Wave gateways, currently available in the World.

1GB RAM, 2GB SLC Hard Drive

Large memory + fast processor = quick communication between Fibaro System devices. Hardware architecture used in Home Center 2 makes Z-Wave based home automation system work much faster then ever.

4GB MLC Recovery Disc

Significantly improved user safety thanks to Fibar Group own approach to data protection. Each Home Center 2 has its' own Recovery disc, holding system backup, unique to each gateway. This closes each system completely from unauthorized access. Other advantage of this solution is quick and simple system healing after any failure.

Home Center Lite FGHCL

Product Highlights:

- Extremely efficient, optimized hardware architecture,
- Ultra low energy consumption,
- Remote access via web page or mobile phone,
- Simple, user friendly interface,
- Fast and simple configuration,
- Geo localization – tracking Your family members,
- Manageable users' rights,
- Various devices' associations,
- Conditioning scenes depending on weather or other, user-defined variables,
- Advanced recovery system,
- System backup is always saved on cloud service,
- History of events.

Technical Specification:

ARM Cortex A8 720 MHz Processor
Optimized memory + fast processor = quick communication between Fibaro System devices.

Z-Wave
Hardware architecture used in Home Center Lite makes Z-Wave based home automation system work much easier then ever.

Radio Frequency:
868,4 MHz EU; 908,4 MHz US; 921,4 MHz ANZ; 869 MHz RU; 915 - 917 MHz IL

128MB RAM, 128MB SLC Hard Drive
Significantly improved user safety thanks to Fibar Group proprietary approach to data protection. Each Home Center Lite has its' own recovery system, holding system backup in cloud, unique to each gateway. This closes each system completely from unauthorized access.

FIBARO Swipe FGGC-001 ZW5

Product Overview:

FIBARO Swipe (FGGC-001) is a revolutionary, battery-powered gesture control pad that allows you to control devices through the Z-Wave network. Swipe your hand up, down, left or right in front of the pad, make circular gestures and use sequences of gestures to get full and intuitive control of your smart home.

Installed device perfectly matches your interior design, as it resembles a picture frame. You can even personalize it with your favourite picture. Gesture controlled menu allows to add/remove or reset the device without dismantling it.

The device is equipped with a buzzer that confirms performed gestures and other actions.

Main features of FIBARO Swipe:

- Radio protocol Z-Wave Plus
- Compatible with any Z-Wave or Z-Wave+ Controller.
- Supports protected mode (Z-Wave network security mode) with AES-128 encryption.
- Allows for contactless gesture detection.
- Battery and/or VDC powered. When connected to an external VDC power source the battery serves as an emergency power source.
- Gestures and actions are confirmed by the buzzer and can be indicated additionally by the built-in LED diode.
- Gesture controlled menu - allows to operate the device without dismantling it.

Power supply: Batteries and/or 5V DC power supply (batteries included)

DC supply connector: Micro-USB

Battery type: 4 x 1.5V AA

Dimensions: 178 x 130 x 29 mm

Universal Dimmer 250W FGD-212 ZW5

Product Overview:

Radio controlled light dimming module, designed to work with various types of light sources. May be connected to two-wire or three-wire configuration. Fibaro Dimmer can switch or dim connected light source either through radio waves or through the wall switch connected directly to it. New Fibaro Dimmer is equipped with an algorithm of smart light source detection which makes configuration easier and ensures high compatibility of the device. It features automatic overload protection switch-off and soft start function. In case of non-dimmable light sources only on/off function may be possible (in 3-wire connection).

Product Highlights:

As a dimmer, works with:

- 230V operated conventional incandescent and halogen light sources
- 12V operated ELV halogen lamps (with electronic transformers)
- 12V operated MLV halogen lamps (with ferromagnetic transformers)
- Dimmable LED lamps
- Dimmable compact fluorescent CFL tube lamps
- Using Bypass FGB-002 with any dimmable light source up to 225VA in 2-wire connection (depending on the type of load)

As a switch, works with:

- Compact fluorescent lamps
- LED lamps
- Using Bypass FGB-002 with any any compatible light source up to 225VA (depending on the type of load)

Universal Dimmer 250W FGD-212 ZW5

Technical Data:

- Power source 230V +/- 10%, 50Hz
- Output power: 50-250W (resistive load)
- Rated load current: 0.25A - 1.1A
- Overcurrent protection: required external 10A circuit breaker
- Ambient temperature: 0°C – 35°C
- To be mounted in standard wall switch boxes Ø ≥ 50mm
- Radio protocol: Z-Wave Plus
- Radio frequency: 868.42 MHz or 869.85 MHz EU; 908.4 MHz or 916 MHz US; 921.4 MHz or 919.8 MHz ANZ; 869 MHz RU;
- Outside dimensions (L x W x H): 42.5 x 38.25 x 20.3mm
- Compliant with EU directives: RoHS 2011/65/EU, LVD 2006/95/EC, EMC 2004/108/EC, R&TTE 1999/5/EC

Product features:

- Compatible with any Z-Wave and Z-Wave+ controller
- Implemented algorithm of smart light source detection
- Active power and energy metering functionality
- Works with various types of switches – momentary, toggle, three-way, etc.
- Soft-start function
- LED diode signaling inclusion status, calibration status and MENU levels
- Built-in Z-Wave range tester
- Dimmer automatically senses faults in wiring, reporting excess temperature, burnt bulb, overvoltage and overload
- Advanced configuration options

Roller Shutter 2 FGR-222

Product Overview:

New edition of Fibaro Roller Shutter, featuring a unique functionality of a garage gate controller and power metering function. Designed to work with any, VAC powered electric motor, equipped with either electronic or mechanic limit switches. Built-in, extremely accurate, calibrating mechanism allows for precise positioning of roller blinds or venetian blinds slats. Fibaro Roller Shutter 2 can control connected device either through radio waves or through the wall switch, connected directly to it.

Product Highlights:

- Power metering function,
- Built-in Z-Wave network range tester,
- Unique, garage gate controller mode,
- Ultra precise roller blind and venetian blind positioning,
- Remote software update,
- Smallest device of that type in the world.

Roller Shutter 2 FGR-222

Technical Data:

- Power Source 110V - 230V +/-10% 50/60Hz,
- Output power up to 1kW,
- Conforms to UE requlations:EN55022 (radio wave interference), EN61000-6 (safety of use),
- Overheating protection: safety off at 105°C,
- Ambient temperature: 10°C - 40°C,
- To be mounted in standard wall switch boxes Ø ≥50mm,
- Radio protocol: Z-Wave,
- Radio Frequency 868,4 MHz EU; 908,4 MHz US; 921,4 MHz ANZ; 869 MHz RU,
- Antenna range: up to ca. 50 meters outdoor, or up to 30 meters inside (depends on building structure),
- Outside dimmensions (L x W x H) 42mm x 38mm x 20mm.

Relay Switch 1x2,5kW FGS-212

Product Overview:

Radio controlled Fibaro On/Off Relay Switch is designed to be installed in standard wall switch boxes, or anywhere else where it is necessary to operate an electric device up to 10A. Fibaro On/Off Relay Switch can switch on or off connected device either through radio waves or through the wall switch connected directly to it.

Product Highlights:

- Controlled through other Fibaro devices or any Z-Wave controller,
- Microprocessor controlled,
- Our ON/OFF Relay Switch is the smallest device of the type in the World!

Technical Data:

- Power Source 110 - 240V~, 50/60Hz,
- Max. AC output (resistive loads only): 10A / 110 - 240V~, 50/60Hz,
- Max. power output (resistive loads only): 2,5kW, 110 - 240V~, 50/60Hz,
- Ambient temperature: 0 - 35°C,
- To be mounted in standard wall switch boxes Ø ≥ 50mm, depth ≥ 60mm,
- Radio protocol: Z-Wave,
- Radio Frequency 868,4 MHz EU; 908,4 MHz US; 921,4 MHz ANZ; 869,0 MHz RU,
- Antenna range: up to ca. 50 meters outdoor, or up to 30 meters inside (depends on building structure),
- Outside dimmensions (L x W x H) 42mm x 38mm x 20mm.

Relay Switch 2x1,5kW FGS-222

Product Overview:

Radio controlled Fibaro Double On/Off Relay Switch is designed to be installed in standard wall switch boxes, or anywhere else where it is necessary to operate two independent devices of combine current up to 10A. Fibaro Double On/Off Relay Switch can switch on or off connected devices either through radio waves or through the wall switch connected directly to it.

Product Highlights:

- Controlled through other Fibaro devices or any Z-Wave controller,
- Microprocessor controlled,
- Our ON/OFF Relay Switch is the smallest device of the type in the World!

Technical Data:

- Power Source 110 - 240V~, 50/60Hz,
- Max. single AC output (resistive loads only): 6,5A / 110 - 240V~, 50/60Hz,
- Max. combined power output (resistive loads only): 10A / 110 - 240V~, 50/60Hz,
- Ambient temperature: 0 - 35°C,
- To be mounted in standard wall switch boxes Ø ≥ 50mm, depth ≥ 60mm,
- Radio protocol: Z-Wave,
- Radio Frequency 868,4 MHz EU; 908,4 MHz US; 921,4 MHz ANZ; 869,0 MHz RU,
- Antenna range: up to ca. 50 meters outdoor, or up to 30 meters inside (depends on building structure),
- Outside dimmensions (L x W x H) 42mm x 38mm x 20mm.

RGBW Controller FGRGBWM-441

Product Overview:

Universal, Z-Wave compatible RGB / RGBW controller. Fibaro RGBW Controller may control LED strips, RGB / RGBW LEDs and 12V - 24V powered light sources. In addition the device supports up to four, 0V - 10V analogue sensors, such as temperature sensors, humidity sensors, wind sensors, air quality sensors, light sensors etc. All IN and OUT terminals may be user configured for LED control or 0V-10V signal readouts. May be used as a dimmer with Halogen lamps.

Product Highlights:

- Current and historical power consumption measuring
- Controlled through other Fibaro devices or any Z-Wave controller,
- Microprocessor controlled,
- Most advanced device of this type in the World.

Technical Data:

- Power source: 12V DC / 24V DC,
- Rated output power: combined 12A (sum of all connected outputs),
- Max load (e.g. Halogen lamps)
  at 12V - 144W combined,
  at 24V - 288W combined.
- Power consumption: < 0,3W,
- Radio frequency: 868,4 MHz EU; 908,4 MHz US; 921,4 MHz ANZ; 869 MHz RU,
- Antenna range: up to ca. 50 meters outdoor, or up to 30 meters inside (depends on building structure),
- Outside dimmensions (L x W x H) 42mm x 36mm x 15mm.

Fibaro Wall Plug

FGWPE-102 ZW5

FGWPF-102 ZW5 (Schuko)

Product Overview:

Fibaro Wall Plug, with power metering feature, is an intelligent, ultimate plug & play, most sophisticated, extremely compact, remotely controlled outlet adapter. This highly functional wall plug can be applied wherever there's a need to control electrical devices of maximum 2,5 kW power output, while monitoring power consumption in a convenient and maintenance-free way. Crystal LED ring informs about the current load of the connected appliance by visually changing its colour.

Product Highlights:

- Current and historical power consumption measuring,
- Power consumption level visualisation with the use of crystal, colour changing, LED ring,
- Controlled through other Fibaro devices or any Z-Wave controller,
- Microprocessor controlled,
- Smallest device of the type in the world.

Fibaro Wall Plug

FGWPE-102 ZW5

FGWPF-102 ZW5 (Schuko)

Technical Data:

- Power Source 110 - 230 V AC ±10% 50/60Hz,
- Rated operational output voltage: 11A/230V AC 50/60Hz - continuous load,
- Power consumption: up to 0,8W,
- Output power for resistive loads: 2,5 kW continuous load,
- In accordance with UE standards: EN 55015 (noise), EN 60669-2-1 (operational safety), RoHS 2011/65/EU, LVD 2006/95/EC, EMC 2004/108/EC, R&TTE 1999/5/EC
- Circuit temperature limit: 105°C,
- Operational temperature: 0 - 40 °C,
- For use with sockets
  (Compatible with each EU plug:
  - CEE 7/16 - max load. 2,5A;
  - CEE 7/17 - max load 16A;
  - and dual type plugs E/F),
- Radio protocol: Z-Wave Plus,
- Radio frequency: 868.42 MHz or 869.85 MHz EU; 908.4 MHz or 916 MHz US; 921.4 MHz or 919.8 MHz ANZ; 869 MHz RU;
- Antenna range: up to 50 m outdoors / up to 40 m indoors (depending on building materials),
- Dimensions (D x H): 43 x 65 mm.

Motion Sensor FGMS-001 ZW5

Product Overview:

The Fibaro Motion Sensor is a universal Z-Wave multi-sensor. Along with detecting motion the device measures the temperature and light intensity. The sensor has a built-in accelerometer to detect any tampering of the device.

The Fibaro Motion Sensor is battery powered device and designed to be installed quickly and easily on any surface. The LED indicator signals motion, temperature level, operating mode and can be used to see if device is within the Z-Wave network. The motion sensor can be used for lighting scenes and security monitoring systems.

Product Highlights:

- Unique design
- Detects event the slightest motion and changes in temperature,
- One of a kind, earthquake detection functionality,
- Battery powered,
- Wireless communication via Z-Wave protocol,
- Features wireless software update.
- Compatible with any Z-Wave or Z-Wave+ Controller.
- Supports protected mode (Z-Wave network security mode) with AES-128 encryption.

Motion Sensor FGMS-001 ZW5

Technical Data:

- Power Supply: CR123A battery, 3.0 VDC (battery included)
- EU directive compliance: LVD 2006/95/EC, EMC 2004/108/EC, R&TTE 1999/5/EC, RoHS 2011/65/EU
- Recommended installation height: 2,4m
- Operational Temperature: 0 - 40°C*
- Measured Temperature Range: -20 to 100°C
- Temperature Measuring Accuracy: 0,5°C (within 0°C-40°C range)
- Light Intensity Measuring Range: 0 - 32000 LUX
- Radio Protocol: Z-Wave Plus
- Radio Frequency: 868.4, 869.85 MHz EU; 908.4, 916.0 MHz US; 921.4, 919.8 MHz ANZ; 869.0 MHz RU;
- Range: up to 50 m outdoors; up to 40 m indoors (depending on terrain and building structure)

Flood Sensor FGFS-101 ZW5

Product Overview:

Fibaro Flood Sensor is a universal, Z-Wave Plus compatible, flood and temperature sensor. Device can be battery or VDC powered (12 or 24 VDC). Flood alarm is sent to the Z-Wave network devices or additionally to any alarm system controller, through opening a NC contact.

The device has built in temperature sensor, monitoring temperature of e.g. floor. Fibaro Flood Sensor is designed to be placed on the floor or on a wall with a flood sensors probe extended by connected wire. The device has built in LED and sound alarm. In addtion, the sensor is equipped with a tilt sensor reporting tilt or movement to the main controller e.g. when the Sensor has been taken by someone from it's original location. LED diode signals flood, operating mode or the Z-Wave network communication range. Fibaro Flood Sensor is sink-resistant, drifts on the water sufrace and keeps on sending alarm signal in case of substantial inundation.

Product Highlights:

- Unique, floating design
- Detects flooding or fire
- Battery or VDC powered
- Communicates with a Z-Wave network or a wired alarm system
- Features wireless software update.

Flood Sensor FGFS-101 ZW5

Technical Data:

- Power Supply: 12 - 24 VDC
- Battery Type: CR123A (battery included)
- Power Consumption (at VDC operation): 0,4W
- Output terminals maximum current carrying capacity (ALARM NC, TAMP NC): 25mA
- Maximum voltage at output terminals: 24V DC / 20V AC
- EU standards compliance: EMC 2004/108/EC, R&TTE 199/5/WE, RoHS 2011/65/EU, LVD 2006/95/EC, EMC 2004/108/EC, R&TTE 1999/5/EC
- Radio protocol: Z-Wave Plus
- Radio frequency: 868.42 MHz or 869.85 MHz EU; 908.4 MHz or 916 MHz US; 921.4 MHz or 919.8 MHz ANZ; 869 MHz RU;
- Range: up to 50m outdoors
  up to 40m indoors (depending on terrain and building structure)
- Operational Temperature: 0°C - 40°C
- Measured temperature range: -20°C - 100°C
- Temperature measuring accuracy: 0,5°C (within 0°C- 40°C range)
- Dimensions (Diameter x Height): 72 mm x 28 mm

Smoke Sensor FGSD-002 ZW5

Product Overview:

The Fibaro Smoke Sensor is a universal, optical Z-Wave smoke detector. Fire alarm is signaled by sound, visual indicator blinking and by sending Z-Wave control commands.

The optical sensor detects smoke at an early stage of fire, often before flames appear and temperature starts to rise significantly. Moreover the device has a built-in temperature sensor, which is programmable indicator of exceeding set temperature level.

The Fibaro Smoke Sensor is designed to be placed on a wall or ceiling. Visual indicator signals fire, operating mode and is used to see if device is within the Z-Wave network. The smoke sensor is designed to operate in confined spaces, under normal conditions (lacking smoke, dust, condensed water vapor).

Product Highlights:

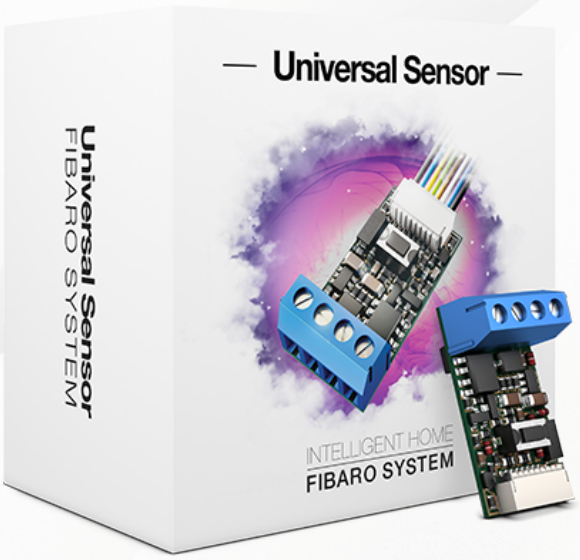
- Compatible with any Z-Wave Controller
- Battery powered
- 3 levels of sensors sensitivity compliant with EN 14604:2005
- Built-in enclosure opening detector
- Dedicated safety mechanism which prevents closing the enclosure without the battery installed
- Alarm signaled by a loud sound, visual indicator and Z-Wave control command
- Additional function of informing about rapid temperature rise by exceeding programmed temperature threshold
- Efficiency test performed automatically every 10 seconds to detect possible malfunction
- Self-test functionality which may be performed manually to test Fibaro Smoke Sensor's operation
- Built-in "black box" to report and record smoke and temperature readouts in its internal memory
- Built-in Z-Wave range tester
- Wireless software update feature
- Z-Wave Plus compatible

FIBARO
SYSTEM

Smoke Sensor FGSD-002 ZW5

Technical Data:

- Battery Type: CR123A 3.0V DC (battery included)
- Compliance with: EN 14604:2005
- Radio protocol: Z - Wave Plus
- Radio frequency: 868.42 MHz or 869.85 MHz EU; 908.4 MHz or 916 MHz US; 921.4 MHz or 919.8 MHz ANZ; 869 MHz RU;
- Range: up to 50m outdoors; up to 30m indoors (depending on terrain and building structure)
- Operational Temperature: 0°C - 55°C
- Operational Humidity: 0% - 93%
- Measured Temperature Range: -20°C to 100°C
- Smoke sensitivity: 1st level – 1.20 +/- 0.5% obs/ft; 2nd level – 1.80 +/- 0.5% obs/ft; 3rd level – 2.80 +/- 0.5% obs/ft
- Sound pressure level: 85dB / 3m
- Temperature Measuring Accuracy: 0.5°C (within 0°C - 55°C range)
- Dimensions (Diameter x Height): 65mm x 28mm



Universal Binary Sensor FGBS-001

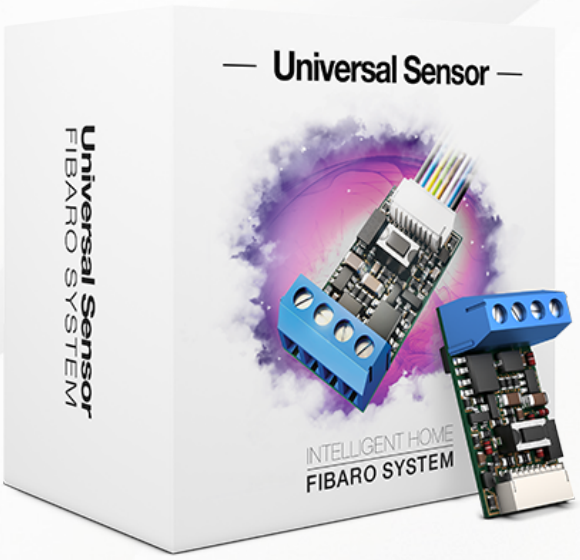
Product Overview:

The Universal Binary Sensor is a wireless module that makes it possible to improve the functionality of any sensor with a binary output by allowing it to communicate with the wireless network Z-WAVE and the FIBARO building intelligence system. Moreover, the module allows for wireless communication between the system and the DS18B20 temperature sensors. The device can service up to two binary sensors and up to four DS18B20 temperature sensors. The Sensor was designed for installation in the housing of a sensor or another device, the functionality of which we wish to improve.

The Universal Binary Sensor may be used whenever wireless collection of data from sensors is required. Once additional safety housing have been installed, the Sensor can also be used in areas with high humidity and high temperature. The Sensor's main function is the integration of the wireless FIBARO system with the existing wire-based and wireless alarm and measurement systems. As an element of the safety system the device is transparent for parametric alarm lines.

Product Highlights:

- Controlled with FIBARO system devices or any Z-Wave controller
- Microprocessor-based control
- Compatible with regular and parametric alarm lines (can be connected to 2 alarm detectors)
- Compatible with binary sensors (can be connected to 2 binary outputs)
- Compatible with DS18B20 temperature sensors (can be connected to four DS18B20 temperature sensors)



Universal Binary Sensor FGBS-001

Technical Data:

- Supply voltage: 9-30V DC ±10%
- Input: 2 potential-free inputs, 1 digital input 1-wire
- Output: 2 potential-free outputs
- Maximum current carrying capacity of outputs: 150mA
- Maximum voltage at output contacts: 36V DC / 24V AC ±5%
- Operating temperature: 0 - 40 °C
- Number of servicing temperature sensors: 4
- Measurement range: -55 °C - +126 °C
- Radio protocol: Z-Wave
- Radio frequency: 868,4 MHz EU; 908,4 MHz US; 921,4 MHz ANZ; 869 MHz RU,
- Range: up to 30 m in buildings (depending on the construction materials)
  up to 50 m in the field
- Dimensions (L x W x H): 14.5 x 27.3 x 12 mm

Door/Window Sensor FGK-101 ZW5 - FGK-107 ZW5

Colour options:

FGK-101 FGK-102 FGK-103 FGK-104 FGK-105 FGK-106 FGK-107

Product Overview:

The Fibaro Door / Window Sensor is a battery powered, Z-Wave Plus compatible reed sensor. The Fibaro Door / Window Sensor detects the doors, windows, garage gates, roller blinds etc devices opening, through detaching its two elements. Every time two elements of the Sensor detach, the Sensor sends a signal to the Z-Wave network main controller.
This may be used in scenes, but also in alarm and monitoring systems.

In addition, The Fibaro Door / Window Sensor may be connected to a DS18B20 temperature sensor, and has one additional input.

Product Highlights:

- Controlled with Fibaro System devices or any Z-Wave controller,
- Radio signal is sent each time both parts of the Door / Window Sensor separate,
- Easily mounted on doors, windows, gates, blinds,
- Compatible with DS18B20 temperature sensors,
- May be connected to a switch, via IN input.

Door/Window Sensor FGK-101 ZW5 - FGK-107 ZW5

Technical Data:

- powered by single ER14250 battery (battery included)
- inputs - single, IN
- number of DS sensors supported - 1
- ambient temperature - 0 - 40°C
- radio frequency: 868.42 MHz or 869.85 MHz EU; 908.4 MHz or 916 MHz US; 921.4 MHz or 919.8 MHz ANZ; 869 MHz RU;
- EU standards compliance: RoHS 2011/65/EU, LVD 2006/95/EC, EMC 2004/108/EC, R&TTE 1999/5/EC
- operating range - up to 40 m indoors; up to 50 m outdoors,
- dimensions (L x W x H): 76 x 17 x 19 mm

Bypass 2 Fibaro FGB-002

Product Overview:

Bypass 2 Fibaro is a device complementary to Fibaro Dimmer FGD212. Its installation makes possible to dim light sources with minimum power consumption, such as e.g. single 0,5 Watt LED. Please note it is possible to dim only light sources clearly marked as dimmable.

Product Highlights:

- Power source: 230V +/-10% 50Hz
- Overheating protection: safety off at 105°C,
- To be mounted in standard, wall switch boxes Ø ≥ 50 mm,
- Outside dimmensions (L x W x H) - 22mm x 30mm x 13mm.