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.

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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.

Universal Dimmer 500W FGD211

Product Overview:

Radio controlled light dimming module, designed to work with light sources of any type. May be connected to two-wire or three-wire cable. Fibaro Dimmer can switch or dim connected litght source either through radio waves or through the wall switch connected directly to it. Automatically senses connected device, features automatic overload protection switch-off and soft start function.

Works as a dimmer or as a connector, with two-wire or three-wire cables.
In case of old type fluorescent light sources or old type transformers, only on/off function may be possible.

Product Highlights:

As a dimmer, works with:

- Conventional fluorescent lamps,
- 230V operated halogen lamps,
- 12V operated halogen lamps,
- Dimmable LED lamps,
- Using Bypass FGB001, with any dimmable light source up to 500W.

As a connector, works with:

- Compact fluorescent lights,
- LED lamps,
- Old type fluorescent lamps.

Our Dimmer is the smallest device of the type in the World!

Universal Dimmer 500W FGD211

Technical Data:

- Power source 230V +/-10%, 50Hz,
- Output power 25-500W (resistive loads only)*,
- Conforms to UE requlations:EN55022 (radio wave interference), EN61000-6 (safety of use),
- Surge protection: 2,5A,
- Overheating protection: safety off at 105°C,
- Ambient temperature: 10°C - 40°C,
- To be mounted in standard wall switch boxes fi ≥ 50mm,
- Radio protocol: Z-Wave,
- Radio Frequency 868,4 MHz EU; 908,4 MHz US; 921,4 MHz ANZ; 869,2 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.

* in case of loads other than resistive, current intensity may not exceed 1.8A

Blind/Roller Shutter FGR221

Product Overview:

Radio controlled module, designed to work with electric motors in blinds, rollers, canopies and such. Fibaro Blind/Roller Shutter can steer connected device either through radio waves or through the wall switch, connected directly to it. Equipped with unique feature of monitoring current Roller/Blind position.

Product Highlights:

- Controlled through other Fibaro devices or any Z-Wave controller,
- Microprocessor controlled,
- Our Blind/Roller Shutter is the smallest device of the type in the World!

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 fi ≥50mm,
- Radio protocol: Z-Wave,
- Radio Frequency 868,4 MHz EU; 908,4 MHz US; 921,4 MHz ANZ; 869,2 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.

ON/OFF Relay Switch 1x3kW FGS211

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 of 3,0kW power output. 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 110V - 230V +/-10% 50/60Hz,
- Max. AC output: 16A / 230V 50/60Hz,
- Max. DC output: 16A / 30V,
- Max. power output (resistive loads only) 3 kW (in case of loads other than resistive it may be necessary to connect lower output in order to protect the Switch from damage),
- 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 fi ≥50mm,
- Radio protocol: Z-Wave,
- Radio Frequency 868,4 MHz EU; 908,4 MHz US; 921,4 MHz ANZ; 869,2 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.

Double ON/OFF Relay Switch 2x1,5kW FGS221

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 1,5kW combined power output. 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

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 110V - 230V +/-10% 50/60Hz,
- Max. single AC output: 8A / 230V 50/60Hz,
- Max. single DC output: 8A / 30V,
- Max. combined power output (resistive loads only) - 2 x 1,5 kW (in case of loads other than resistive it may be necessary to connect lower output in order to protect the Switch from damage),
- 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 fi ≥50mm,
- Radio protocol: Z-Wave,
- Radio Frequency 868,4 MHz EU; 908,4 MHz US; 921,4 MHz ANZ; 869,2 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.

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; 869,2 MHz RU,
- Antenna range: up to 50m outdoors, up to 30m indoors, depending on terrain and building structure,
- Outside dimmensions (L x W x H) 42mm x 36mm x 15mm.

Fibaro Wall Plug

FGWPE-101

FGWPF-101 (Schuko)

Product Overview:

Fibaro Wall Plug, with power metering feature, is an intelligent, ultimate plug & play, most sofisticated, 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-101

FGWPF-101 (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)
- 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,
- Radio frequency: 868,4 MHz EU,
- Antenna range: up to 50 m outdoors / up to 30 m indoors (depending on building materials),
- Dimensions (D x H): 43 x 65 mm.

Flood Sensor FGFS-101

Product Overview:

Fibaro Flood Sensor is a universal, Z-Wave 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

Technical Data:

- Power Supply: 12 - 24 VDC
- Battery Type: CR123A
- Power Consumption (at VDC operation): 0,4W
- Output terminals maximum current carrying capacity (ALARM NC, TAMP NC): 25mA
- Maximum voltage at output terminals: 40V (AC or DC)
- EU standards compliance: EMC 2004/108/EC, R&TTE 199/5/WE
- Radio protocol: Z-Wave
- Radio frequency: 868,4 MHz EU; 908,4 MHz US; 921,4 MHz ANZ; 869,2 MHz RU;
- Range: up to 50m outdoors
  up to 30m 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

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; 869,2 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 - 107

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 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 - 107

Technical Data:

- powered by single ER14250 battery,
- inputs - single, IN
- number of DS sensors supported - 1
- ambient temperature - 0 - 40°C
- radio frequency - 868,4 MHz EU; 908,4 MHz US; 921,4 MHz AU/NZ; 869,2 MHz RU,
- operating range - up to 30 m indoors; up to 50 m outdoors,
- dimensions (L x W x H): 76 x 17 x 19 mm

Bypass Fibaro FGB-001

Product Overview:

Bypass Fibaro is a device complementary to Fibaro Dimmer FGD211. Its installation makes possible to dim light sources with minimum power consumption, such as e.g. single 0,5Watt 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 fi≥50 mm,
- Outside dimmensions (L x W x H) - 17mm x 18mm x 8,3mm.