Fibaro is a wireless system, based on 2.4GHz technology. Fibaro provides many advantages when compared to similar systems. In general, radio systems create a direct connection between the receiver and transmitter. But the radio signal is weakened by various obstacles located on its path (walls, doors, etc.) and it is transmitted over a short distance. Due to the nature of many wireless systems, the devices apart from being transmitters and receivers of signals, they can be a signal "reflector". When a direct connection path between the transmitter and the receiver cannot be established, the connection may be achieved through other intermediate devices.

Fibaro is a bi-directional wireless system. It means that the signal is not only sent to the receiver but also the receiver sends the signal back to the transmitter. This is defined by the possibility to check whether they are active. Safety of the Fibaro System Transmitter is comparable to the safety of transmission in data base systems.

Fibaro operates in the free band for data transmission. The frequency can be changed in individual countries. Each Fibaro network has its own unique network identification number (home ID), which is unique and is used to coordinate less or more independent systems in a single building without direct interference with any other interaction.

Although 2.4GHz is open radio technology, it has already become a recognizable and officially binding standard, similarly to Wi-Fi. The networks of this type are based on the same 2.4GHz technology, guaranteeing their compability. The system is open and it may be expanded as and when more information is needed at www.fibaro.com.

II Assembling Double Relay Switch.

1. Before installation ensure that the voltage supply is turned off.
2. Connect Double Relay Switch as shown on the diagram.
3. Place the switch in the mount-through box.
4. Arrange the antenna (tips are presented below diagram).

TIPS FOR ARRANGING THE ANTENNA:
- Locate the antenna as far from metal elements as possible (connecting wires, brackets, etc.) in order to prevent interference.
- Metal surfaces in the direct vicinity of the antenna (e.g. steel structures, metal door frames) may impair signal reception.
- Do not cut or shorten the antenna. Its length is critical for its position to the device in which the system operates.
- It should not interfere with any only the push-button connected to S1 terminal and service push-button B enables "learning" mode (include/Exclude).

III Activating Double Relay Switch

1. Installing the Double Relay Switch

Connect the device in accordance with the wiring diagram presented in Fig. 1. Switch on 2.4GHz of this mains voltage.

[Fig 1 Wiring diagram for Double Relay Switch]

Fig 1 Wiring diagram for Double Relay Switch

DICTIONARY:
- [Adding] - a device sends "node info" frame, to enable user to add it to Home Center (Home Center).
- [EXCLUSION (Removing)] - a device sends a request to remove the device from the network.
- [ASSOCIATION] - controlling other devices of the Fibaro radio system
- [MultiChannel Association] - controlling other devices of the Fibaro radio system

By default, Double Relay Switch accepts both active commands ALL ON and ALL OFF. Switching may be changed by entering an appropriate value in configuration register no. 1 (see configuration).

Controlling Double Relay Switch using Home Center controller.

After adding Double Relay Switch to the network, it will be inaccessible to Home Center in the following two cases (one interface represents one channel).

V Configuration

The following settings are available in the Fibaro interface as simple options that may be chosen by selecting the appropriate box.

Parameter No. 1 - Activate / deactivate functions ALL ON / ALL OFF

Available configuration parameters:
- 1B - Activate ALL ON
- 1C - Activate ALL OFF
- 1D - Activate ALL OFF active
- 1E - Activate ALL OFF active

Parameter No. 2 - Auto off after specified time, with the possibility of manual override - reminable OFF after button push

Available settings:
- 1 - Auto off enabled. After single push turn relay switches on and automatically turns off after specified time.
- 0 - Auto off disabled.
- 2 - Auto off enabled. After single push turn relay switches on and automatically turns off after specified time. Another button push turns the relay switches off immediately.

Parameter No. 3 - Auto off after specified time, with the possibility of manual override - reminable OFF after button push

Available settings:
- 1 - Auto off enabled. After single push turn relay switches on and automatically turns off after specified time.
- 0 - Auto off disabled.
- 2 - Auto off enabled. After single push turn relay switches on and automatically turns off after specified time. Another button push turns the relay switches off immediately.

Parameter No. 4 - Auto off after relay 1.

Available initial values:
- 1 - 105 seconds (16.6 ms – 1650 s)
- 2 - 5 seconds (165 ms – 1650 s)
- 0 - Auto off disabled

Parameter No. 5 - Auto off after relay 2.

Available initial values:
- 1 - 105 seconds (16.6 ms – 1650 s)
- 2 - 5 seconds (165 ms – 1650 s)
- 0 - Auto off disabled

Parameter No. 6 - Sending commands to control devices associated to 1st association group (key no. 1).

Available configuration parameters:
- 0 - commands are sent when device is turned on and off
- 1 - commands are sent when device is turned off. Enabling device does not send control commands. Double-click key sends "on' command, dimmers memorise the last saved state (e.g. 50% brightness)."
- 2 - commands are sent when device is turned off. Enabling device does not send control commands. Double-click key sends "on' command, dimmers sends are sent to 100%

Parameter No. 7 - Sending commands to control devices associated to 2nd association group (key no. 2).

Available configuration parameters:
- 0 - commands are sent when device is turned on and off
- 1 - commands are sent when device is turned off. Enabling device does not send control commands. Double-click key sends "on' command, dimmers memorise the last saved state (e.g. 50% brightness)
- 2 - commands are sent when device is turned off. Enabling device does not send control commands. Double-click key sends "on' command, dimmers sends are sent to 100%

Parameter No. 8 - Sending commands to control devices associated to 3rd association group (key no. 3).

Available configuration parameters:
- 0 - commands are sent when device is turned on and off
- 1 - commands are sent when device is turned off. Enabling device does not send control commands. Double-click key sends "on' command, dimmers memorise the last saved state (e.g. 50% brightness)
- 2 - commands are sent when device is turned off. Enabling device does not send control commands. Double-click key sends "on' command, dimmers sends are sent to 100%

WARNING: When Fibaro Switch sends control commands of a given channel, devices that belong to this channel (e.g. light bulbs, etc.) may be turned on and off. This may cause inconvenience to the device operation. The user is responsible for ensuring correct setting of these parameters.

IV Configuration

Parameter No. 1 - Activate / deactivate functions ALL ON / ALL OFF

Available configuration parameters:
- 1B - Activate ALL ON
- 1C - Activate ALL OFF
- 1D - Activate ALL OFF active
- 1E - Activate ALL OFF active

Parameter No. 2 - Auto off after specified time, with the possibility of manual override - reminable OFF after button push

Available settings:
- 1 - Auto off enabled. After single push turn relay switches on and automatically turns off after specified time.
- 0 - Auto off disabled.
- 2 - Auto off enabled. After single push turn relay switches on and automatically turns off after specified time. Another button push turns the relay switches off immediately.

Parameter No. 3 - Auto off after specified time, with the possibility of manual override - reminable OFF after button push

Available settings:
- 1 - Auto off enabled. After single push turn relay switches on and automatically turns off after specified time.
- 0 - Auto off disabled.
- 2 - Auto off enabled. After single push turn relay switches on and automatically turns off after specified time. Another button push turns the relay switches off immediately.

Parameter No. 4 - Auto off after relay 1.

Available initial values:
- 1 - 105 seconds (16.6 ms – 1650 s)
- 2 - 5 seconds (165 ms – 1650 s)
- 0 - Auto off disabled

Parameter No. 5 - Auto off after relay 2.

Available initial values:
- 1 - 105 seconds (16.6 ms – 1650 s)
- 2 - 5 seconds (165 ms – 1650 s)
- 0 - Auto off disabled

Parameter No. 6 - Sending commands to control devices associated to 1st association group (key no. 1).

Available configuration parameters:
- 0 - commands are sent when device is turned on and off
- 1 - commands are sent when device is turned off. Enabling device does not send control commands. Double-click key sends "on' command, dimmers memorise the last saved state (e.g. 50% brightness)
- 2 - commands are sent when device is turned off. Enabling device does not send control commands. Double-click key sends "on' command, dimmers sends are sent to 100%

Parameter No. 7 - Sending commands to control devices associated to 2nd association group (key no. 2).

Available configuration parameters:
- 0 - commands are sent when device is turned on and off
- 1 - commands are sent when device is turned off. Enabling device does not send control commands. Double-click key sends "on' command, dimmers memorise the last saved state (e.g. 50% brightness)
- 2 - commands are sent when device is turned off. Enabling device does not send control commands. Double-click key sends "on' command, dimmers sends are sent to 100%

WARNING: When Fibaro Switch sends control commands of a given channel, devices that belong to this channel (e.g. light bulbs, etc.) may be turned on and off. This may cause inconvenience to the device operation. The user is responsible for ensuring correct setting of these parameters.

IV Association

Association enables Fibaro Switch to directly control a device included in 2-Wave network e.g. Dimmer Switch (ON/OFF, Teller Switch).

WARNING: Full association is not recommended. This type of association may be operated only through the Home Center controller.

WARNING: Association ensures direct transfer of control information. The user is responsible for ensuring correct setting of these parameters.
VII Operating Fibaro Switch
Fibaro Switch may be operated using the following control elements:
- any controller compatible with the system (e.g., Home Center controller)
- mobile phone (e.g., iPhone and phones from other manufacturers certified with Z-Wave certificate and should be compatible with such devices produced by other manufacturers)
- tablet (such as iPad)
- PC, using a web browser
- push-buttons connected to inputs S1 and S2
- service button S, located inside the housing (activates learning mode)

VIII Procedures for malfunctions
The device does not respond to a pre-programmed transmitter:
- Make sure that the transmitter range is not exceeded and that the path is not obstructed by metallic surfaces such as metal cabinets, etc.
- Make sure the device is not in the programming mode, or repeat the programming process.

IX GUARANTEE
1. The Guarantee is provided by FIBARGROUP Sp. z o.o. meaning Manufacturer’s registered office at: Ulica 1-3, 03-641 Warsaw, tax identification number (NIP) 7811858097, REGON: 301556944.
2. The Manufacturer is responsible for equipment malfunction resulting from physical defects (manufacturing or material) of the Device for 12 months from the date of its purchasing.
3. During the Guarantee period the Manufacturer shall remove any defects, free of charge, by repairing or replacing (at its sole discretion) any defective components of the Device with new or regenerated components, that are free of defects. When the repair impossible, the Manufacturer reserves the right to replace the device with a new or regenerated one, which shall bear all of the defects and its condition shall not be worse than the replaced device.
4. In special cases, when the device cannot be replaced with the device of the same type (e.g. the device is no longer available in the commercial offer, the Manufacturer may replace it with a different device having technical parameters similar to the faulty one. Such activity shall be considered as fulfilling the obligations of the Manufacturer. The manufacturer shall not refund money paid for the device.
5. In the holder of a valid Guarantee shall submit a guarantee claim through the guarantee service. Remember before you submit a guarantee claim, contact our technical support department using our web page or contact us by telephone.
6. All guarantee requests must be submitted in writing and must contain:
   - Customer’s name and address
   - Serial number of the device
   - Date of purchase
   - A copy of the guarantee card
   - A copy of the sales receipt
   - A copy of the invoice
   - A copy of the registration certificate
   - A copy of the repair or installation report
   - A copy of the claim documentation proving that the fault is caused by other reasons than the manufacturer.
   - A description of the fault, including all details of the operation.

10. The guarantee period of the replaced part shall not be extended.
11. In case of any technical questions contact customer service centre FIBARGROUP.

FIBARGROUP FIBARO
In case of any technical questions contact customer service centre in your country.
www.fibargroup.com