



OPERATING MANUAL ROLLER SHUTTER CONTROLLER FGR-22T-EN-A V1.02

Remotely controlled Roller Shutter Controller of Fibaro System is available in the color of the device design. Fibaro System is a wireless system based on Z-Wave technology. Fibaro roller shutter controller is a device that controls roller shutter motors by radio signals, transmits and receives data to the Z-Wave network. The device is designed to be used in conjunction with other devices, a part of a smart home system. The device is intended for use in homes and small businesses. The device is intended for use in homes and small businesses. The device is intended for use in homes and small businesses. The device is intended for use in homes and small businesses.

Specifications

Power supply	110 - 230 V/10% 50/60Hz
Power of applied motor	up to 15W/30/20V
Rated motor current	4.2A/220V 50/60Hz
In accordance with EU standard	EN 60959-1
Rated temperature limits	100 °C
Operational temperature	0 - 40 °C
For installation in boxes	Ø 5.5mm
Radio signal power	100mW
Radio protocol	Z-Wave
Radio frequency	900.4MHz US, 868.4MHz EU, 433.92MHz AU, 462.93MHz NZ
Range	up to 30 m outdoors (depending on building materials)
Dimensions (L x V x H)	42 x 37 x 17 mm
Electricity consumption	< 0.50W

Technical information

- Compatible Fibaro System devices of any Z-Wave controller.
- The device may be operated by momentary switch and toggle switch, push-button and by push-button (dedicated for roller shutter).
- Executive electronic relays.

CAUTION
Danger of electrocution! All works on the device must be carried out with the power disconnected. The device must be disconnected from the power supply before any work is carried out. Do not touch the device with the power on. Do not touch the device with the power on. Do not touch the device with the power on.

DANGER
Danger of electrocution! Even when the device is turned off, voltage may be present at its terminals. Do not touch the terminals with the power on. Do not touch the terminals with the power on. Do not touch the terminals with the power on.

WARNING
Do not connect the device to loads exceeding recommended values.
The device must be disconnected from the power supply before any work is carried out.

TIPS FOR ARRANGING THE ANTENNA:

Position the antenna as far from metal elements as possible (cellular tower, metal pipes, etc.) in order to prevent electromagnetic interference.

Mount the antenna in the direction of the antenna. Do not use metal objects to shield the antenna. Do not use metal objects to shield the antenna.

Do not cut or shorten the antenna. The length is specified in the user manual. Do not cut or shorten the antenna. The length is specified in the user manual.

Make sure the antenna is connected to the correct terminals. Do not connect the antenna to the wrong terminals. Do not connect the antenna to the wrong terminals.

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- **EXCLUSION (PENDING)** - removing a device from the Fibaro System.
- **ASSOCIATION** - controlling other devices of Fibaro System.
- **MOTION** - association of other multichannel devices of Fibaro System.

III Starting the operation of the Roller Shutter Controller

1. Installing the Roller Shutter Controller

- STEP 1. Connect the device in accordance with the wiring diagram presented in Figure 1. Set on 230V of the mains voltage.
- STEP 2. Identify key no. 1. If the device is connected in accordance with the wiring diagram in Figure 1, the set key no. 1 is the roller shutter.
- STEP 3. Set the controller in address mode (see the controller manual).
- STEP 4. The Roller Shutter Controller must be placed within the range of the antenna. The address mode requires direct communication with the controller.
- STEP 5. Identify key no. 1 or push-button B located inside the housing of the device.

NOTES FOR THE DIAGRAM:

- 1 - terminal for key no. 1 (key no. 1) (see the option of wiring the device in starting mode).
- 2 - terminal for key no. 2 (roller shutter).
- 3 - terminal for key no. 3 (roller shutter).
- 4 - connection bus for roller shutter device from the system).



Fig. 1. Wiring diagram for the Roller Shutter Controller

During the installation, it is recommended to use a momentary push-button.

The roller shutter controller enables user to associate three momentary push-buttons:

- Group I:** Is triggered by single-clicking of any key (not work when using toggle keys).
- Group II:** Is triggered by holding down any key.
- Group III:** For controllers such as Home Center for stable reporting.

The Roller Shutter Controller enables user to control up to 16 normal roller shutters (the number of shutters is limited by the number of relays). The first 16 relays are reserved for the roller shutter. The other relays are reserved for the roller shutter. The other relays are reserved for the roller shutter.

2. Resetting the Roller Shutter Controller

The Roller Shutter Controller provides two methods for resetting:

- Method 1: Based by removing the Roller Shutter Controller from the power supply. The device may be reset using the power supply switch. The device may be reset using the power supply switch.
- Method 2: Based by pressing the reset button on the Roller Shutter Controller. The device may be reset using the reset button on the Roller Shutter Controller.

3. Controlling the Roller Shutter Controller by momentary or toggle switches

The Roller Shutter Controller accepts both active commands (ALL ON and ALL OFF) and passive commands (ALL ON and ALL OFF).

4. Controlling the Roller Shutter Controller using a remote control

The Roller Shutter Controller accepts both active commands (ALL ON and ALL OFF) and passive commands (ALL ON and ALL OFF).

5. Controlling the Roller Shutter Controller using Fibaro system controller

After adding the Roller Shutter Controller to the network, it will be represented in Home Center by the following icon.



Fig. 2. The icon of the roller shutter in the Home Center

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Fig. 2. The icon of the roller shutter in the Home Center

Parameter No. 39 - General Alarm, set for shutter no. 1

Default value: (20) ON. CLOSED SHUTTER ALARM

Parameter No. 31 - Alarm of flooding with water, set for relay by the roller shutter

Default value: (0) OFF. ALARM DEACTIVATION

Parameter No. 32 - Smoke, CO, CO2 Alarm, Set for the roller shutter

Default value: (0) ON. OPEN SHUTTER ALARM

Parameter No. 33 - Temperature Alarm, set for roller shutter

Default value: 1. OPEN SHUTTER ALARM

Parameter No. 41 - Scene activation functionality

Default value: 0

Parameter No. 4 - Scene activation functionality

Default value: 0

Parameter No. 14 - Switch type connector, you may choose

Default value: 0

Parameter No. 20 - Saving the position " favourite "

Default value: 10

Parameter No. 10 - Turning off the shutter positioning function

Default value: 0

Parameter No. 16 - Switch type connector, you may choose

Default value: 0

Parameter No. 1 - Activation (deactivates functions ALL ON / ALL OFF)

Default value: 0

Parameter No. 0 - DEACTIVATION - the device does not respond to alarm data

Default value: 1

Parameter No. 2 - CLOSED SHUTTER ALARM - the device opens the roller shutter after detecting an alarm

Default value: 0

- 0 - DEACTIVATION - the device does not respond to alarm data
- 1 - OPEN SHUTTER ALARM - the device opens the roller shutter after detecting an alarm
- 2 - CLOSED SHUTTER ALARM - the device closes the roller shutter after detecting an alarm
- 3 - GENERAL PURPOSE ALARM - GENERAL PURPOSE ALARM (D00)
- 4 - WATER FLOODING ALARM - ALARM CO2 (D00)
- 5 - SMOKE ALARM - ALARM CO2 (D00)
- 6 - GENERAL PURPOSE ALARM - ALARM WATER (D00)
- 7 - DEACTIVATION - the device does not respond to alarm data
- 8 - DEACTIVATION - the device does not respond to alarm data
- 9 - DEACTIVATION - the device does not respond to alarm data
- 10 - DEACTIVATION - the device does not respond to alarm data
- 11 - DEACTIVATION - the device does not respond to alarm data
- 12 - DEACTIVATION - the device does not respond to alarm data
- 13 - DEACTIVATION - the device does not respond to alarm data
- 14 - DEACTIVATION - the device does not respond to alarm data
- 15 - DEACTIVATION - the device does not respond to alarm data
- 16 - DEACTIVATION - the device does not respond to alarm data
- 17 - DEACTIVATION - the device does not respond to alarm data
- 18 - DEACTIVATION - the device does not respond to alarm data
- 19 - DEACTIVATION - the device does not respond to alarm data

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VII Additional functionality - position indicating.

The roller shutter controller is designed to be used with the roller shutter motor. The current position of roller shutters, windows and sliding doors. For proper operation of the mechanism, it is necessary to adjust the roller shutter controller to the roller shutter motor position (locking mechanism, when using motor with feedback). The roller shutter controller is designed to be used with roller shutter motor. Therefore it is recommended to use a motor with mechanical feedback for each cycle type the calibration procedure should be performed.

VII Operating the Roller Shutter Controller

The Roller Shutter Controller may be operated using the following methods:

- any controller compatible with the system
- remote control (remote control) and phones from other manufacturers with appropriate software
- PC, using a cable (with an IR) or a radio (with an IR)
- using a push-button connected to the device
- using a remote control (with IR, limited to the following parameters: S1 and S2)

VIII Procedures for malfunctions

The device does not respond to a pre-programmed transmitter. Malfunction may be caused by:

- the transmitter is not connected to the antenna such as metal cables, etc.
- the transmitter is not in the programming mode, or repeat the programming procedure.

IX GUARANTEE

1. The Guarantee is provided by FIBARO s.p.a. z o.o. (hereinafter "Manufacturer") based in Poznań, ul. Lotnicza 16, 60-421 Poznań, Poland, registered in the National Court Register by the District Court in Poznań, VIII Economic Department of the National Court Register, no. 370151, KRS 761850597, REGON 301505950.

2. The Manufacturer is responsible for equipment malfunctions resulting from physical defects (manufacturing or material) of the product for 12 months from the date of purchasing.

3. The Manufacturer is not responsible for malfunctions resulting from: defects, fire or damage, by neglect or neglecting of the safe operation of the roller shutter controller, or damage to the roller shutter controller caused by the use of accessories not recommended by the Manufacturer, or damage caused by the use of accessories not recommended by the Manufacturer.

4. The Manufacturer is not responsible for malfunctions resulting from: damage caused by faulty electrical installation of the Customer, including the use of non-rated cables, damage caused by the use of accessories not recommended by the Manufacturer, or damage caused by using accessories not recommended by the Manufacturer.

5. The holder of a valid guarantee shall submit a guarantee claim through the guarantee form (technical manual, or you submit an e-mail, more than 50% of operational problems is resolved remotely, remote support is sufficient, the Customer shall fill in guarantee claim form and submit it to: www.fibargroup.com in order to claim claim reimbursement. The Customer shall attach the original receipt that proves the claim corresponds with an equipment (Roller Shutter Controller/Actuator/RMA).

6. The claim may be also submitted by telephone. In the case, the Customer shall attach the original receipt that proves the claim corresponds with an equipment (Roller Shutter Controller/Actuator/RMA) and a copy of the invoice. The Customer shall provide the Customer with the claim number (RMA number).

7. When the guarantee claim form is submitted correctly, a representative of the Authorized Guarantee Service (hereinafter "AGS") will contact the Customer.

8. The AGS will contact the Customer and inform about the next steps to be taken. The AGS will be contacted by the time in which the device was sent to AGS.

9. The liability described by provided by the Customer with complete standard equipment and document proving its purchase.

10. Parts replaced under the guarantee are the property of the Manufacturer. The Customer shall be responsible for the return of the replaced parts. The guarantee period of the replaced part shall not be extended.

11. Costs of delivering the faulty device shall be borne by the Customer with travel expenses and handling costs related to the claim.

12. AGS will be contacted immediately after the claim is submitted. The Device was provided by the Customer incomplete, without the Device was provided by the Manufacturer not covered.

13. It has been determined that the fault was caused by other reasons than the Manufacturer's responsibility. The Manufacturer is not liable for damages to property caused by the use of accessories not recommended by the Manufacturer, or damage caused by faulty electrical installation of the Customer, including the use of non-rated cables, damage caused by the use of accessories not recommended by the Manufacturer, or damage caused by using accessories not recommended by the Manufacturer.

14. The Manufacturer shall not be liable for damages to property caused by the use of accessories not recommended by the Manufacturer, or damage caused by faulty electrical installation of the Customer, including the use of non-rated cables, damage caused by the use of accessories not recommended by the Manufacturer, or damage caused by using accessories not recommended by the Manufacturer.

15. The scope of the guarantee covers: malfunctions, such as abnormal physical deformation caused by impact, falling or dropping, the device or its parts, damage caused by the use of accessories not recommended by the Manufacturer, or damage caused by using accessories not recommended by the Manufacturer.

16. The Manufacturer is not responsible for malfunctions resulting from: damage caused by faulty electrical installation of the Customer, including the use of non-rated cables, damage caused by the use of accessories not recommended by the Manufacturer, or damage caused by using accessories not recommended by the Manufacturer.

17. The guarantee shall not include: limit to suspend the Customer reporting the damaged or destroyed parts or providing components necessary for repair or replacement.

18. If a defect is not covered by the guarantee, the Manufacturer shall provide the Customer with a list of components necessary for repair or replacement.

19. The Manufacturer shall not be liable for damages to property caused by the use of accessories not recommended by the Manufacturer, or damage caused by faulty electrical installation of the Customer, including the use of non-rated cables, damage caused by the use of accessories not recommended by the Manufacturer, or damage caused by using accessories not recommended by the Manufacturer.

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FIBARGROUP

For more information or technical questions contact customer service centre in your country.

www.fibargroup.com