

Parameter No. 10 - Time of Automatic moving the Dimmer between the extreme dimming values.
Default value: 1

Options for changing parameter 0-255 (0ms – 2.5s)
0 - this value disables the smooth change in light intensity

NOTE value 0 is required for inductive and capacitive devices unsuitable for dimming, (e.g. fluorescent lamps , motors etc.)

Parameter No. 11 - The percentage of a dimming step at manual control.
Default value: 1

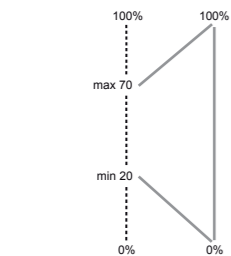
Options for changing parameter 1-99

Parameter No. 12 - Maximum Dimmer level control.
Default value: 99

Options for changing parameter 2-99

Parameter No. 13 - Minimum Dimmer level control
Default value: 2

Options for changing parameter 1-98



..... real scale
— scale available to the user

NOTE: The maximum level may not be lower than the minimum level.

Recommended values of parameters 12 and 13 (max and min level) for controlling the devices are as follows:

- AC motors [min 60%, max 99%]
- fluorescent lamps, fluorescent tubes, LED [min 98%, max 99%] [parameter 10 set to 0]

Parameter No. 14 - Switch type. Choose between momentary switch and toggle switch.
Default value: 0

Available settings:
0 – momentary switch
1 – toggle switch
2 - Roller blind switch (UP / DOWN) - two switch keys operate the Dimmer

Parameter No. 15 – Double click option (set lightning at 100%).
Default value: 1

Available configuration parameters:

0 Double click disabled
1 Double click enabled

Parameter No. 16 - Saving the state of the device after a power failure. The Dimmer will return to the last position before power failure.
Default value: 1

Options for changing parameter:

0 - the Dimmer does not save the state after a power failure, it returns to "off" position
1 - the Dimmer saves its state before power failure

Parameter No. 17 - The function of 3 - way switch, provides the option to double key no. 1.
The Dimmer may control two toggle push-buttons or an infinite number of momentary push-buttons.
Default value: 0

Options for changing parameter 0-1

0 - the function of 3-way switch is disabled
1 - the function of 3-way switch is enabled

Parameter No. 18 - The function of synchronizing the light level for associated devices. The Dimmer communicates the position to the associated device.
Default value: 0

Options for changing parameter 0-1

0 - function disabled
1 - function enabled

Parameter No. 19 - Assigns bistable key status to the device status.
Default value: 0

Available configuration parameters:
0 - [On / Off] device changes status on key status change.
1 - Device status depends on key status: ON when the key is ON, OFF when the key is OFF.

Info: Remote control from Fibaro System Is Still Possible. This function is useful When you want display status of external devices, e.g. Motion Sensor, in Fibaro System.

Parameter No. 30 - Alarm of any type (general alarm, water flooding alarm, smoke alarm: CO, CO2, temperature alarm).
Default value: 3 ALARM FLASHING

0 - DEACTIVATION - the device does not respond to alarm data frames
1 - ALARM DIMMER ON - the device turns on after detecting an alarm
2 - ALARM DIMMER OFF - the device turns off after detecting an alarm
3 - ALARM FLASHING the device periodically changes its status to the opposite, when it detects an alarm within 10 min.

Parameter No. 39 - Active flashing alarm time.
Default value: 600

Available configuration parameters: [1-65535][ms]

Parameter No 40 - Updating the dimming level without the input from the switch.

Available settings: from 1 to 99
Parameter's value changes depending on the dimming level.

Parameter No. 41 - Scene activation functionality.
Default value: 0

Possible parameter settings:

0 – functionality deactivated
1 – functionality activated

The device offers the possibility of sending commands compatible with Command class scene activation. Information is sent to devices assigned to association group no. 3. Controllers such as Home Center 2 are able to interpret such commands and based on these commands they activate scenes, to which specific scene IDs have been assigned. The user may expand the functionality of the button connected to inputs S1 and S2 by distinguishing the actions of keys connected to those inputs. For example: double click would activate the scene "goodnight" and triple click would activate the scene "morning".

Scene ID is determined as follows:

Momentary switch (parameter 14 set to 0):

Input S1:
holding down ID 12 (option inactive in case of roller blind switch)
releasing ID 13
double click ID 14 (depends on parameters 15 value - 1 = double click active)
triple click ID 15
one click ID 16

Input S2:
holding down ID 22 (option inactive in case of roller blind switch)
releasing ID 23
double click ID 24 (depends on parameters 15 value - 1 = double click active) option inactive in case of roller blind switch
triple click ID 25
one click ID 26

Toggle switch (parameter 14 set to 1):

Input S1:
holding down ID 12
releasing ID 13
double click ID 14 (depends on parameters 15 value - 1 = double click active)
triple click ID 15
If parameter no. 19 is set to 0: single click ID16 is sent

If parameter no. 19 is set to 1 following IDs are sent:
switch from "off" to "on" ID 10
switch from "on" to "off" ID 11

Input S2:

holding down ID 22
releasing ID 23
double click ID 24 (depends on parameters 15 value - 1 = double click active)
triple click ID 25
If parameter no.19 set to 0 (default), then one click ID 26 is sent
If parameter no.19 is set to 1 following IDs are sent:
switch from "off" to "on" ID 20
switch from "on" to "off" ID 21

Roller blind switch (parameter 14 set to 2):

Input S1, Turning on the light:
switch from "off" to "on" ID 10
double click ID 14 (depends of parameter 15 value 1 - double click functionality)
triple click ID 15
brighten ID 17
releasing ID 13

Input S2, Turning off the light:
switch from "on" to "off" ID 11
triple click ID 25
dim ID 18
releasing ID 13

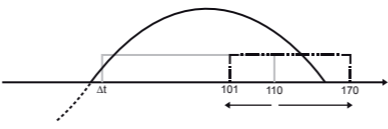
ADVANCED FUNCTION

Parameter No. 20 - The function enabling the change of control impulse length.

Default values: 110 for 50Hz or 101 for 60Hz

Options for changing parameter 101-170

This function will enable decreasing the minimum level of the Dimmer by extending the control impulse. By changing the minimum level, the user may completely dim LED bulbs. Not all LED bulbs available on the market have the dimming option.



WARNING!

Wrong setting of the function may cause incorrect operation of the Dimmer.

VI Additional Functionality

Operating alarm data frames

Fibaro system allows user to set response of devices to alarm situations (response to data-frames ALARM_REPORT and SENSOR_ALARM_REPORT) Fibaro Dimmer responds to the following types of alarms:

- General Purpose Alarm - GENERAL PURPOSE ALARM [0x00]
- Smoke Alarm - ALARM CO2 [0x02], ALARM CO [0x01], ALARM SMOKE [0x03]
- Water Flooding Alarm - ALARM WATER [0x05]
- Temperature Alarm - ALARM HEAT [0x04]

Alarm data-frames are sent by devices that are system sensors (e.g., flood sensors, smoke detectors, motion detectors, etc.).

The device may respond in the following manner to received data-frames (settings are configured in configuration parameters, see section V Configuration):

- 0 - DEACTIVATION - the device does not respond to alarm data frames
- 1 - ALARM ON - the device turns on after detecting an alarm
- 2 - ALARM OFF - the device turns off after detecting an alarm
- 3 - ALARM FLASHING - the device periodically changes its status to the opposite when it detects an alarm (lights on/off alternately)

VII Operating the Dimmer

The Dimmer may be operated using the following control elements:

- any controller compatible with the system (e.g. Home Center controller)
- a mobile phone (e.g. iPhone and phones from other manufacturers with appropriate software)
- tablet (such as iPad)
- PC, using a web browser
- push-buttons connected to inputs S1 and S2
- service button B, located inside the housing (activates learn mode)

VIII Procedures for malfunctions

The device does not respond to a pre-programmed transmitter:

- Make sure that the maximum range is not exceeded and the signal path is not obstructed by metal 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 FIBAR GROUP Sp. z o.o. (hereinafter "Manufacturer"), based in Poznan, ul. Lotnicza 1; 60-421 Poznan, entered in the register of the National Court Register kept by the District Court in Poznań, VIII Economic Department of the National Court Register, no. 370151, NIP 7811858097, REGON: 301595664.

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 the sole discretion of the Manufacturer) 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 be free of any defects and its condition shall not be worse than the original device owned by the Customer.

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. 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 using telephone or e-mail. More than 50% of operational problems is resolved remotely, saving time and money spent to initiating guarantee procedure. If remote support is insufficient, the Customer shall fill the guarantee claim form (using our website - www.fibargroup.com) in order to obtain claim authorization.

When the guarantee claim form is submitted correctly, the Customer shall receive the claim confirmation with a unique number (Return Merchandise Authorization -RMA).

6. The claim may be also submitted by telephone. In this case, the call is recorded and the Customer shall be informed about it by a consultant before submitting the claim. Immediately after submitting the claim, the consultant shall provide the Customer with the claim number (RMA-number).

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

8. Defects revealed within the guarantee period shall be removed not later than 30 days from the date of delivering the Device to AGS. The guarantee period shall be extended by the time in which the Device was kept by AGS.

9. The faulty device shall be provided by the Customer with complete standard equipment and documents proving its purchase.

10. Parts replaced under the guarantee are the property of the Manufacturer. The guarantee for all parts replaced in the guarantee process shall be equal to the guarantee period of the original device. The guarantee period of the replaced part shall not be extended.

11. Costs of delivering the faulty device shall be borne by the Customer. For unjustified service calls, the Service may charge the Customer with travel expenses and handling costs related to the case.

12. AGS shall not accept a complaint claim only when:
• the Device was misused or the manual was not observed,
• the Device was provided by the Customer incomplete, without accessories or nameplate,
• it was determined that the fault was caused by other reasons than a material or manufacturing defect of the Device
• the guarantee document is not valid there is no proof of purchase,

13. The Manufacturer shall not be liable for damages to property caused by defective device. The Manufacturer shall not be liable for indirect, incidental, special, consequential or punitive damages, or for any damages, including, inter alia, loss of profits, savings, data, loss of benefits, claims by third parties and any property damage or personal injuries arising from or related to the use of the Device.

14. The guarantee shall not cover:
• mechanical damages (cracks, fractures, cuts, abrasions, physical deformations caused by impact, falling or dropping the device or other object, improper use or not observing the operating manual);
• damages resulting from external causes, e.g.: flood, storm, fire, lightning, natural disasters, earthquakes, war, civil disturbance, force majeure, unforeseen accidents, theft, water damage, liquid leakage, battery spill, weather conditions, sunlight, sand, moisture, high or low temperature, air pollution;
• damages caused by malfunctioning software, attack of a computer virus, or by failure to update the software as recommended by the Manufacturer;
• damages resulting from: surges in the power and/or telecommunication network, improper connection to the grid in a manner inconsistent with the operating manual, or from connecting other devices not recommended by the Manufacturer.
• damages caused by operating or storing the device in extremely adverse conditions, i.e. high humidity, dust, too low (freezing) or too high ambient temperature. Detailed permissible conditions for operating the Device are defined in the operating manual;

- damages caused by using accessories not recommended by the Manufacturer
- damages caused by faulty electrical installation of the Customer, including the use of incorrect fuses;
- damages caused by Customer's failure to provide maintenance and servicing activities defined in the operating manual;
- damages resulting from the use of spurious spare parts or accessories improper for given model, repairing and introducing alterations by unauthorized persons;
- defects caused by operating faulty Device or accessories.

15. The scope of the guarantee repairs shall not include periodic maintenance and inspections, in particular cleaning, adjustments, operational checks, correction of errors or parameter programming and other activities that should be performed by the user (Buyer). The guarantee shall not cover natural wear and tear of the Device and its components listed in the operating manual and in technical documentation as such elements have a defined operational life.

16. If a defect is not covered by the guarantee, the Manufacturer reserves the right to remove such defect at its sole discretion, repairing the damaged or destroyed parts or providing components necessary for repair or replacement.

17. This guarantee shall not exclude, limit or suspend the Customer rights when the provided product is inconsistent with the purchase agreement.

i This Device may be used with all devices certified with Z-Wave certificate and should be compatible with such devices produced by other manufacturers.
Any device compatible with Z-Wave may be added to Fibaro system.

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In case of any technical questions contact customer service centre in your country.

www.fibargroup.com