

Karlik FRO-1 Electronic Lighting Controller With Push Rotary Button User Manual

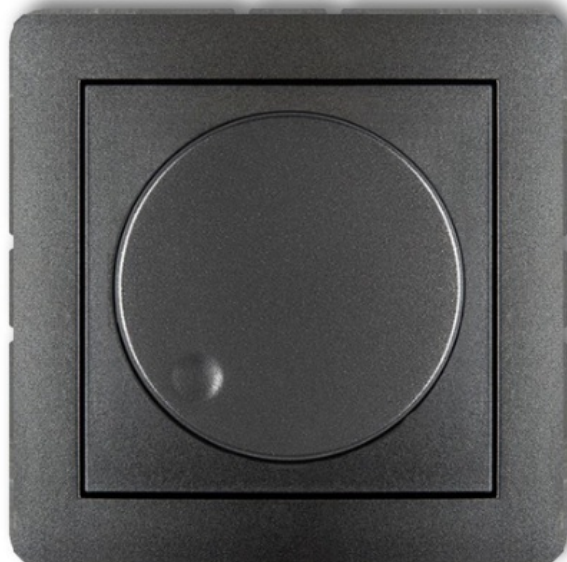
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Karlik FRO-1 Electronic Lighting Controller With Push Rotary Button



Specifications

- **Power supply:** AC voltage
- **Tolerance of voltage supply:** N/A
- **Light control:** Stepless adjustment from 0 to 100% of full power
- **Cooperation with load:** Typical incandescent lighting
- **Load capacity:** N/A
- **Scope of regulation:** N/A
- **Control unit:** Potentiometer with switch
- **Number of connection clamps:** N/A
- **Cross section of connection cables:** N/A
- **Fixing of the casing:** N/A
- **Temperature working range:** N/A
- **Withstand voltage:** N/A
- **Safety class:** N/A
- **Surge voltage category:** N/A
- **Contamination level:** N/A
- **Dimension with external frame:** N/A
- **Protection index:** N/A

USING INSTRUCTION

ELECTRONIC LIGHTNING CONTROLLER WITH PUSH AND ROTARY BUTTON

- Characteristics of electronic lightning controller with push and rotary button
- An electronic lighting controller with a push and rotary button (dimmer switch) enables step-less adjustment of light intensity from 0 to 100% of the full power of the illumination and it can be used with almost every frame. With electricity consumption proportionate to the lightning level it increases comfort and daily electricity savings.

Lightning controller is used to control the illumination level of typical incandescent lightning. Controlling involves the use of a potentiometer with a switch. The configuration enables intelligent control of lighting systems and is convenient and economical in use. The controller is equipped with overload and short-circuit protection.

Technical data

Symbol	FRO-1
Power supply	230V 50Hz
Tolerance of voltage supply	-15 ÷ +10%
Light control	switch and regulation on potentiometer (10÷100%)
Cooperation with load	convectional incandescent, halogen 230V, low voltage halogen 12V (with conventional and toroidal transformer)
Load capacity	40÷400W
Scope of regulation	5÷40oC
Control unit	trial
Number of connection clamps	3
Cross-section of connection cables	max 1,5 mm ²
Fixing of the casing	standard flash-mounted wall box 60mm
Temperature working range	from -20oC to +45oC
Withstand voltage	2KV (PN-EN 60669-1)
Safety class	II
Surge voltage category	II
Contamination level	2
Dimension with an external frame	90,1×81,1×55
Protection index	IP 20

Warranty terms

The guarantee is provided for a term of twelve months from the date of purchase. The defective controller must be delivered to the producer or to the seller with a purchase document. The guarantee does not cover the fuse exchange, mechanical damage, damages raised by self-repair or improper use. The warranty period shall be extended by the duration of the repair.

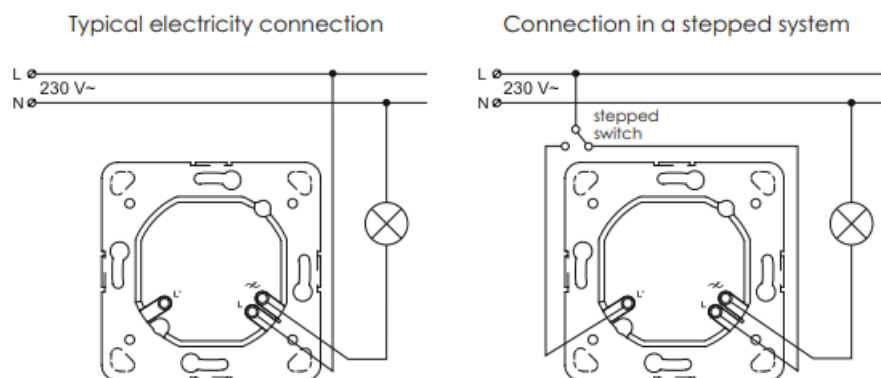
ASSEMBLY

Installation

1. Deactivate the main fuses of home installation.
2. Check if there is a phase wire brought into the installation box.
3. Prise the regulatory button with the use of a screwdriver and remove it.
4. Push clips on the side walls of the external adapter with a flat screwdriver and remove it.
5. Connect the phase wire to the clamp of the controlled load.
6. Connect the other wire to the clamp with an arrow*. (*In case of a dual-circuit system connect the third and the fourth wire to the clamp with an arrow.)

7. Assemble the dimmer module in the installation box with resilient clips or fastening screws that are supplied with the box.
8. Assembly of the external frame.
9. Assembly the dimmer and the control button.
10. Activate the main fuses of home installation and carry out functional tests. Wyłączyć bezpieczniki sieciowe instalacji domowej.

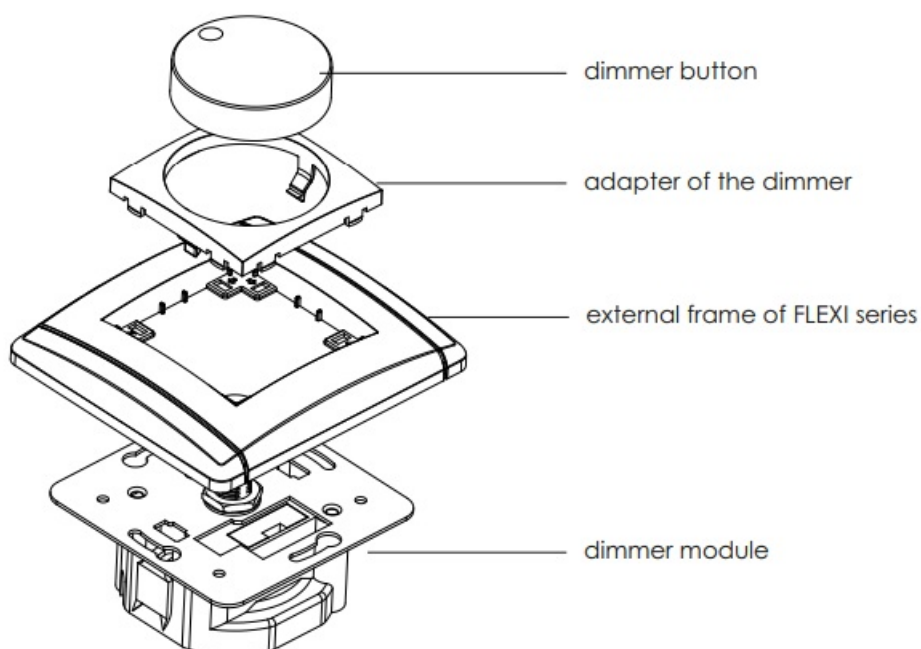
Electric connection scheme of the electronic lightning controller with push and rotary button



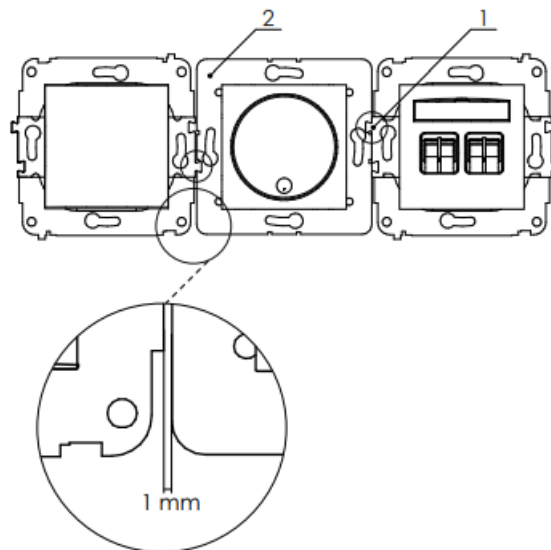
Note!

Assembly shall be held by a suitably qualified person with deactivated voltage and shall meet the national safety standards.

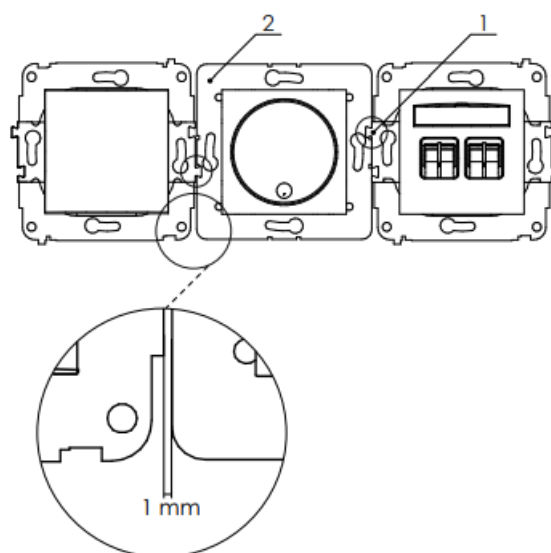
Connecting two regulators in a two-way system may damage regulators.



Installation instructions for electronic light controller mechanism in multiple frames



1. First, install the electronic light control mechanism in the mounting box. The other adjacent mechanisms are installed so that the “dovetails”(1) (if any) overlap the central plate of the controller (2).
2. The distance between the central frame of the dimmer and the adjacent products should be about 1 mm.



FAQ

Q: What is the warranty period for the lightning controller?

A: The warranty is provided for a term of twelve months from the date of purchase. The defective controller must be delivered to the producer or to the seller with a purchase document. The guarantee does not cover the fuse exchange, mechanical damage, damages raised by self-repair or improper use. The warranty period shall be extended by the duration of the repair.

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Documents / Resources



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FRO-1 Electronic Lighting Controller With Push Rotary Button, FRO-1, Electronic Lighting Controller With Push Rotary Button, Lighting Controller With Push Rotary Button, Controller With Push Rotary Button, Push Rotary Button, Rotary Button, Button

References

- User Manual