ELKO EP RFDAC-71B-SL Analog Controller Instruction Manual

Wireless

RFDAC-71B-SL
Analog controller, 0(1)-10 V

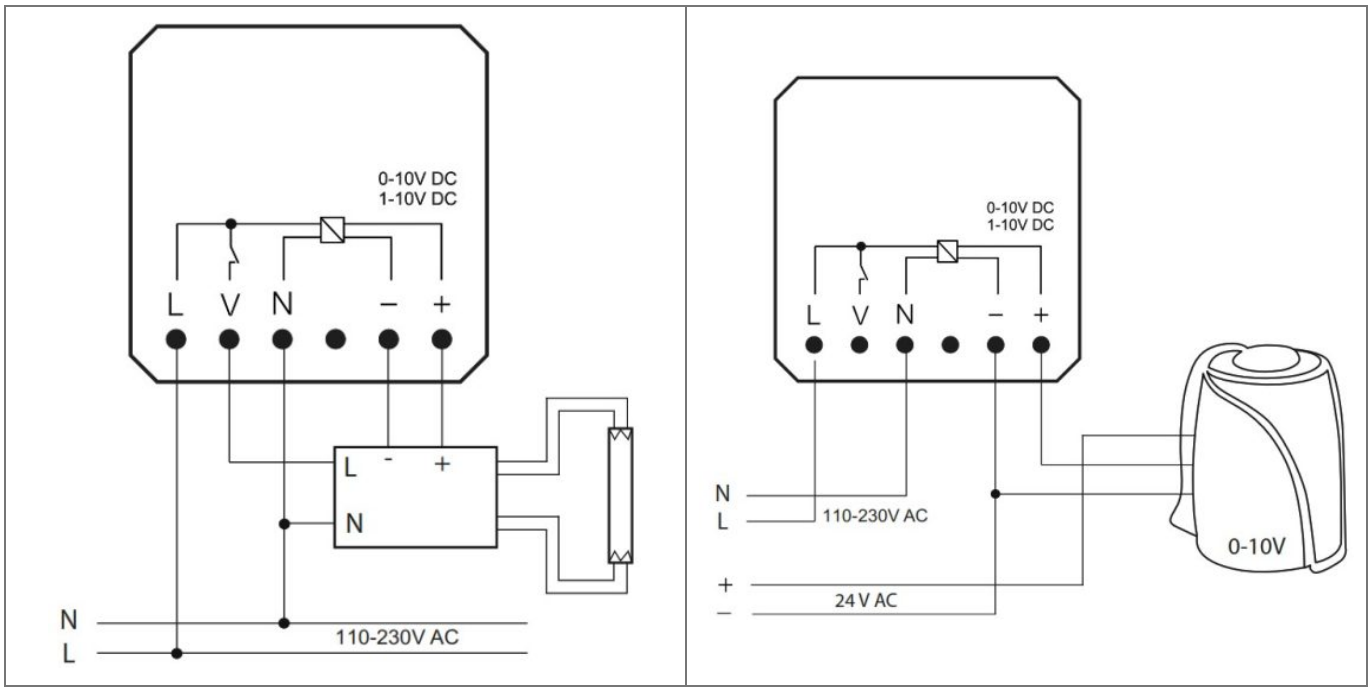
ONLINE MANUAL

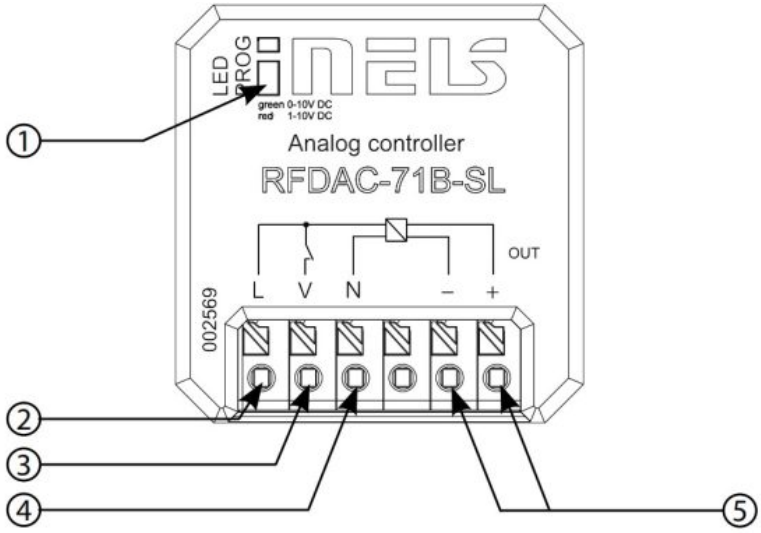
www.elko.li/rfdac-71b-sl

PAP

Contents

Connection





1. PROG button, status indication and output control
2. Phase conductor
3. Switch output contact (L)
4. Neutral conductor
5. Analog output

To set up the device you need to download the full manual – see QR code.

Characteristics

- The device with analog output 0(1)–10 V is used to control devices, luminaires, thermal actuators and thermal heads – which are equipped with such an input.
- They can be combined with detectors, controllers, iNELS Wireless or system components.
- Potential free analog output 0(1)–10 V, contact relay 8 A.
- 7 light functions – smooth increase or decrease with time setting 2 s–30 min. Function description can be found on p. 86.

- The analog controller may be controlled by up to 25-channels.
- The programming button on the controller is also used for manual control of the output.
- Memory status can be pre-set in the event of a power failure.
- Range up to 200 m (in open space), if the signal is insufficient between the controller and unit, use the signal repeater RFRP-20N or protocol component RFIO2 that support this feature.
- The BOX design lets you mount it right in an installation box, a ceiling or light cover.

Technical parameters

Supply voltage:	110–230 V AC
Supply voltage frequency:	50–60 Hz
Apparent input:	7 VA / cos φ = 0.1
Dissipated power:	0.7 W
Supply voltage tolerance:	+10/-15 %
Control	
Potential-free analog output/max. current:	0(1)–10 V/10 mA
Rated current:	1x AgSnO2, switches the phase conductor
Rated current:	8 A/AC1
Switching power:	2 000 VA/AC1
Switching voltage:	250 V AC1
Mechanical service life:	3×10 7
Electrical service life:	1×10 5
Indication:	red LED/green LED
Output selection:	0(1)–10V/PROG button
Control	
Wireless:	up to 25-channels (buttons)
Communication protocol:	RFIO2
Frequency:	866–922 MHz (for more information see p. 81)
Repeater function:	yes
Manual control:	button PROG (ON/OFF)
Range:	in open space up to 200 m
Minimal control distance:	20 mm
Other data	
Operating temperature:	-15 to + 50 °C
Operating position:	any

Mounting:	plug into a socket
Protection:	IP40
Overvoltage category:	III.
Contamination degree:	2
Connection wire cross section (mm2):	3 x 0.75 mm2, 2 x 2.5 mm2
Dimensions:	49 x 49 x 21 mm
Weight:	43 g
Related standards:	EN 60730, EN 63044, EN 300 220, EN 301 489

Warning

Instruction manual is designated for mounting and also for user of the device. It is always a part of its packing. Installation and connection can be carried out only by a person with adequate professional qualification upon understanding this instruction manual and functions of the device, and while observing all valid regulations. Trouble-free function of the device also depends on transportation, storing and handling. In case you notice any sign of damage, deformation, malfunction or missing part, do not install this device and return it to its seller. It is necessary to treat this product and its parts as electronic waste after its lifetime is terminated. Before starting installation, make sure that all wires, connected parts or terminals are de-energized. While mounting and servicing observe safety regulations, norms, directives and professional, and export regulations for working with electrical devices.
Do not touch parts of the device that are energized – life threat. Due to transmissivity of RF signal, observe correct location of RF components in a building where the installation is taking place. RF Control is designated only for mounting in interiors. Devices are not designated for installation into exteriors and humid spaces. The must not be installed into metal switchboards and into plastic switchboards with metal door – transmissivity of RF signal is then impossible. RF Control is not recommended for pulleys etc. – radiofrequency signal can be shielded by an obstruction, interfered, battery of the transceiver can get flat etc. and thus disable remote control.
ELKO EP declare sthatthe RFDAC-71B – SL type of equipment complies with Directives 2014/53/EU, 2011/65/EU, 2015/863/EU and 2014/35/EU. The full EU Declaration of Conformity is at: **https://www.elkoep.com/analog-controller-rfdac-71b-sl**
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Documents / Resources

	**ELKO EP RFDAC-71B-SL Analog Controller** [pdf] Instruction Manual RFDAC-71B-SL Analog Controller, RFDAC-71B-SL, Analog Controller, Controller

References

- **ElkoEP - Fabricante de dispositivos electrónicos • ELKO EP ESPAÑA**
- **ElkoEP - Výrobce elektronických přístrojů • ELKO EP POLAND Sp. z o.o.**
- **ELKO EP - Hersteller von elektronischen Geräten • ELKO EP Germany**
- **User Manual**