ELKO RFDSC-71 Wireless Dimming Socket Instruction Manual

RFDSC-71 Wireless Dimming Socket Instruction Manual

Combination of iNELS wall-mounted wireless controller and wireless dimming socket for regulation of all types of dimmable bulbs and light sources.

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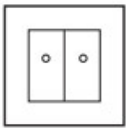
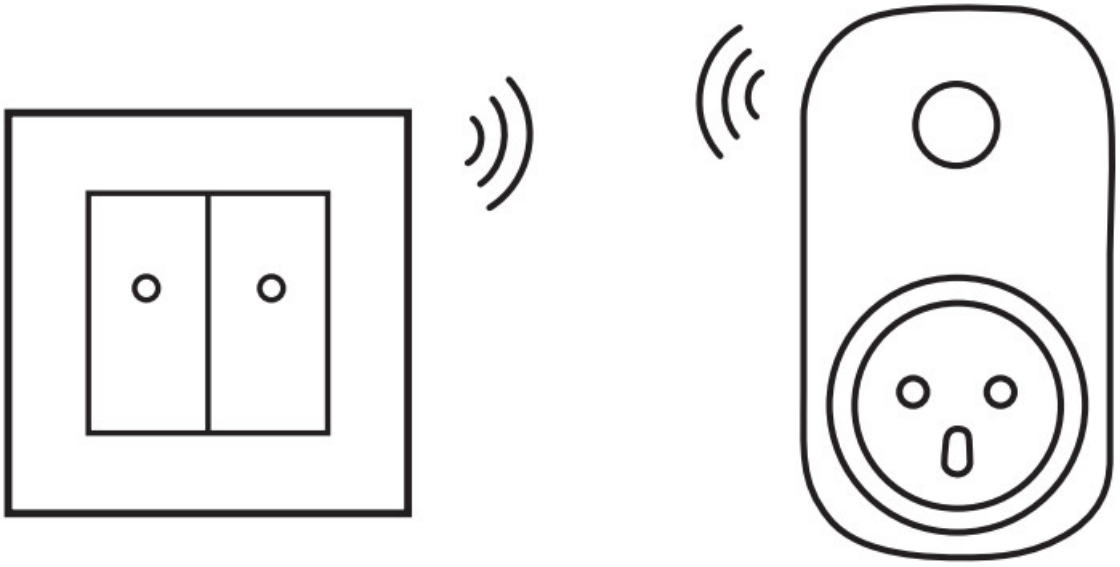
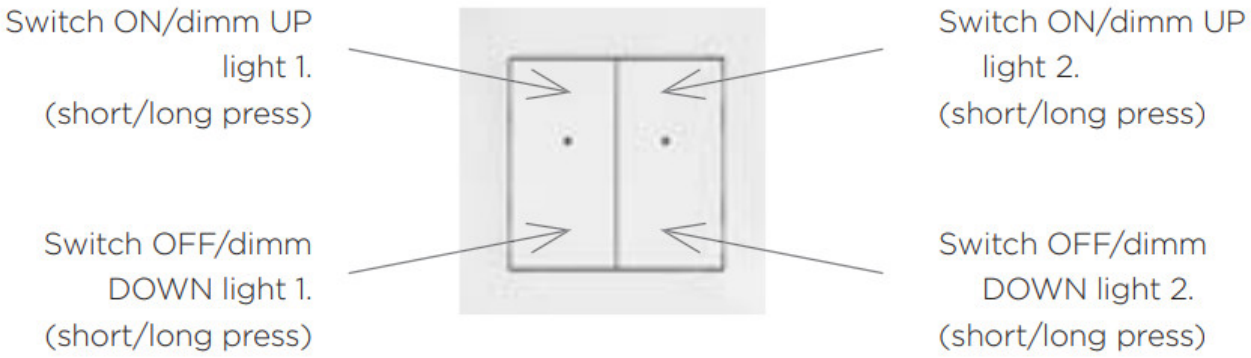
	On-wall button controller PLASTIC – 4 buttons RFWB-40/G
	Dimming socket – plug RFDSC-71N

EAN 8595788183260 (On-wall button controller PLASTIC – 4 buttons + Dimming socket – plug “French“)
EAN 8595788183369 (On-wall button controller PLASTIC – 4 buttons + Dimming socket – plug “British“)
EAN 8595788183468 (On-wall button controller PLASTIC – 4 buttons + Dimming socket – plug “Schuko“)



The individual elements in the iNELS set are paired and their functions are preset.
iNELS wireless dimming socket enables dimming of different types of lights or controlling electrical appliances



The settings of the wall controllers can be changed – see. Functions and programming.

On-wall button controller 4 buttons – RFWB-40/G

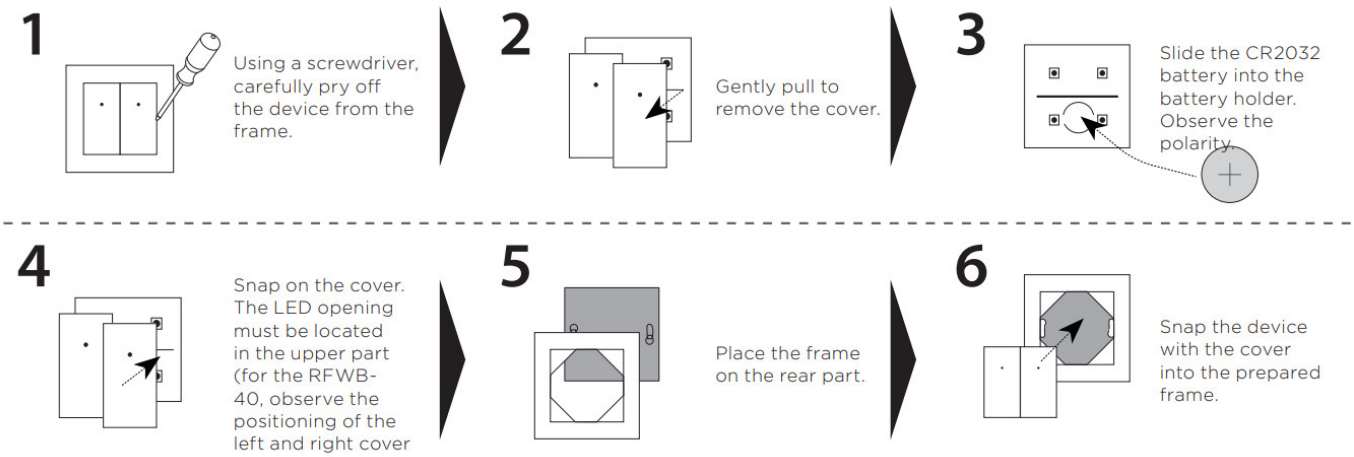
Detailed manual

https://elko.li/rfwb-40g

Characteristics

- The wireless controller is used to control switches and dimmers (lights, gate, garage door, blinds, etc.).
- FWB-40/G: four buttons enable control of four units independently.
- The flat design with a level base makes it ideal for fast installation on any surface (fixation with adhesive or screws in the installation box).

replacement of a battery RFWB-40



When handling a device unboxed it is important to avoid contact with liquids. Never place the device on the conductive pads or objects, and avoid unnecessary contact with the components of the device.

Technical parameters	RFWB-40/G
Supply voltage:	3 V battery CR 2032
Transmission indication:	red LED
A number of buttons:	4
Transmitter frequency:	868.5 MHz
Signal transmission method:	unidirectionally addressed message
Range in free space:	up to 200 m
Other data:	
Operating temperature:	-10 +50 °C
Operating position:	any
Mounting:	glue, screws
Protection:	IP20
Contamination degree:	2
Dimensions:	
LOGUS90 frame – plastic:	85 x 85 x 16 mm (3.3″ x 3.3″ x 0.6″)
LOGUS90 frame – metal, glass, wood. granite:	94 x 94 x 16 mm (3.7″ x 3.7″ x 0.6″)
Weight:	39g • (1.38 oz)
Related standards:	EN 60669. EN 300220. EN 301489

* Comes with plastic frame. No installation into multi-frames.

Attention:

When you install the iNELS RF Control system, you have to keep a minimal distance of 1 cm between each unit. Between the individual commands must be an interval of at least 1s.

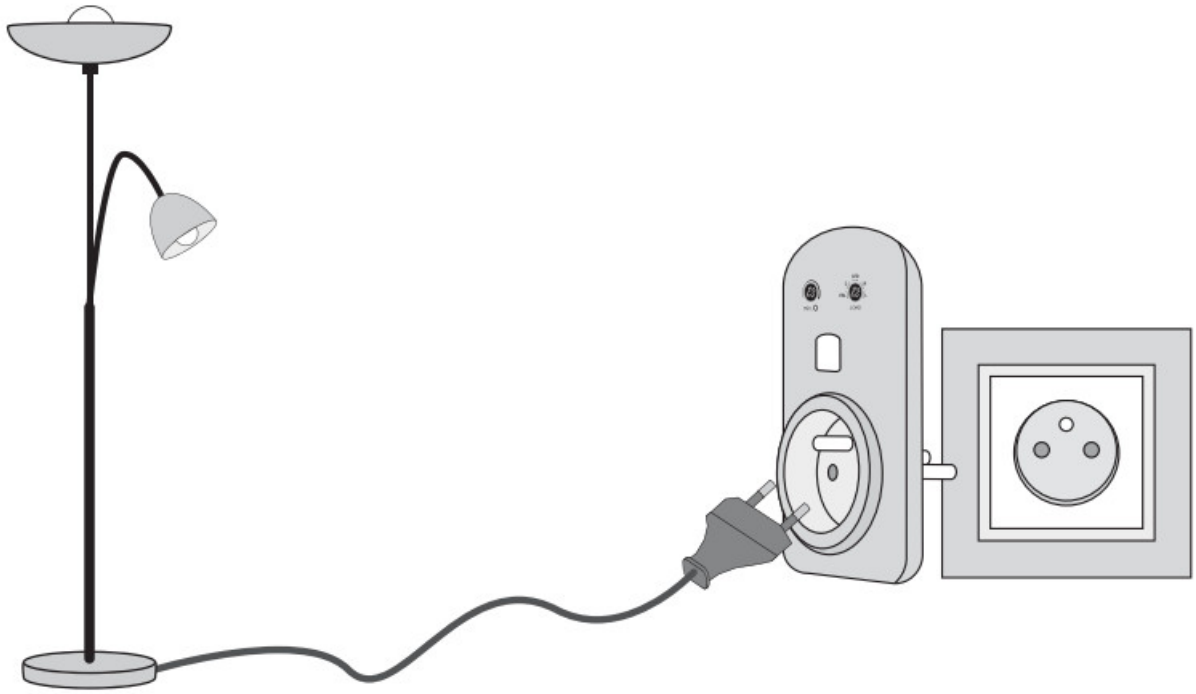
Dimming socket plug RFDSC-71N

Characteristics

- used to control light sources that are connected by power cord – especially lamps: R, L, C, ESL, LED – LED light sources (230V).
- Be combined with detectors, controllers, iNELS RF Control, or system components.
- Installation is simple by direct insertion into the existing socket.
- Output load 200W.
- 7 light functions – smooth increase or decrease with time setting 2s-30 min. + additional function SWITCH OFF
- When switched off, the set level is stored in the memory, and when switched back on, it returns to the most recently set value.
- The universal dimmer may be controlled by up to 32 channels (1 channel represents 1 button on the controller).

- The programming button on the socket 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 160 m (in open space), if the signal is insufficient between the controller and unit,
- use the signal repeater RFRP-20 or protocol component RFIO2 that supports this feature.

Assembly

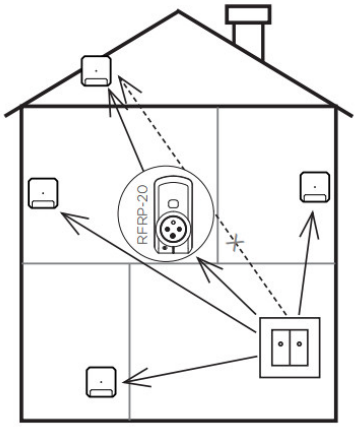


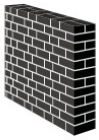
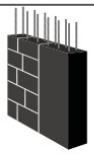
Technical parameters	RFDSC-71N
Supply voltage:	230 V / 50-60Hz
Apparent power:	1.1 VA
Dissipated power:	0.8 W
Supply voltage tolerance:	+10 %; -15 %
Output:	
Contactless:	2 x MOSFET
Load capacity:	200 W *
Control:	
RF command from the transmitter:	868.5 MHz
Range in open space:	up to 160 m
Manual control:	button PROG (ON/OFF)
Other data:	
Operating temperature:	-20 … + 35 °C (-4 … + 95 °F)
Storage temperature:	-30 … +70°C (-22 … + 158 °F)
Working position:	any
Mounting:	plug into a socket
Protection:	IP30
Overvoltage category:	III.
Contamination degree:	2
Dimensions:	63 x 110 x 74 mm
Weight:	118 g
Related standards:	EN 60730, EN63044, EN 300 220, EN 301

* capacity for power factor cos φ=1
The power factor of dimmable LEDs and ESL bulbs ranges from cos φ = 0.95 up to 0.4.

Compatibility
The device can be combined with all system components, controls, and devices of iNELS RF Control and iNELS RF Control².
The detector can be assigned an iNELS RF Control² (RFIO²) communication protocol.

Radiofrequency signal penetration through various construction materials
Range up to 200 m (2 inches) in open space,



				
60 - 90 %	80 - 95 %	20 - 60 %	0 - 10 %	80- 90 %
brick walls	wooden structures with plaster boards	reinforced concrete	metal partitions	common glass

Warning

The instruction manual is designated for mounting and also for the usage 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 qualifi cation with understanding this instruction manual and functions of the device, and while observing all valid regulations.

The 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 the 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 – a life threat.

Due to the transmissivity of RF signal, observe the 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 in exteriors and humid spaces.

They must not be installed into metal switchboards and into plastic switchboards with metal doors –transmissivity of RF signal is then impossible.

RF Control is not recommended for pulleys etc. – the radiofrequency signal can be shielded by an obstruction, interfered, battery of the transceiver can get flat etc. and thus disable the remote control.

Designed & Manufactured by:
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Documents / Resources

	ELKO RFDSC-71 Wireless Dimming Socket [pdf] Instruction Manual RFDSC-71, Wireless Dimming Socket, RFDSC-71 Wireless Dimming Socket, Dimming Socket, Socket

References

- ELKO EP - Global relay manufacturer • ELKO EP

Manuals+.