



CONTROL ELEMENTS


**EAN code**

8595188145121

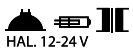
| Technical parameters | RFDEL-71B |
|---|---|
| Supply voltage: | 230 V AC / 50 Hz |
| Apparent power: | 1.1 VA |
| Dissipated power: | 0.8 W |
| Supply voltage tolerance: | +10/ -15 % |
| Connection: | 4-wire, with "NEUTRAL" |
| Dimmed load: | R,L,C, LED, ESL |
| Output | |
| Contactless: | 2 x MOSFET |
| Load capacity: | 160 W* |
| Controlling | |
| RF command from the transmitter: | 868 MHz |
| Range in open space: | up to 160 m (more on range on p. 44) |
| Manual control: | button PROG (ON/OFF), external button |
| Glow lamp connection: | No |
| Further data | |
| Operating temperature: | -20 up to + 35°C |
| Storage temperature: | -30 up to +70°C |
| Operating position: | any* |
| Mounting: | free at lead-in wires |
| Protection: | IP 30 under normal conditions |
| Overvoltage category: | III. |
| Contamination degree: | 2 |
| Terminals (CY wire, Cross-section): | 4 x 0.75 mm² |
| Terminal length: | 90 mm |
| Dimensions: | 49 x 49 x 21 mm |
| Weight: | 40 g |
| Related standards: | EN 607 30-1 ED.2 |

* 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.

An approximate value of maximum load may be obtained by multiplying the load capacity of the dimmer by the power factor of the connected light source.

- serves for controlling light intensity of these light sources:

| source type | symbol | description |
|---|---|---|
| R resistive |   | resistive bulb, halogen lamp |
| L inductive |   | inductive coil transformer for low-voltage halogen lamps |
| C capacitive |  | electronic transformer (capacitive load) for low-voltage halogen lamps LED |
| LED |  | LED lamps and LED light sources, 230 V |
| ESL |  | dimmable energy-saving tubes |

- the type of light source is set by the switch on the front of the of the device
- max. output load is 160 W
- option of controlling existing external button and RF transmitter
- electronic overcurrent and thermal protection - switches off the output in case of overload, short circuit or overheating
- setting min. brightness by potentiometer on the front of the device eliminates flashing of various types of light sources
- by installing the actuator under an existing button, you have the option of further control of lighting using RF Control wireless transmitters or the RF Touch touch screen unit. This then makes it possible to control the actuator with the existing button or wireless controller
- the actuator can be controlled by up to 32 channels
  6 light functions, ON/OFF function (identical with the functions of RFDA-71B) see p. 32

## Description of function

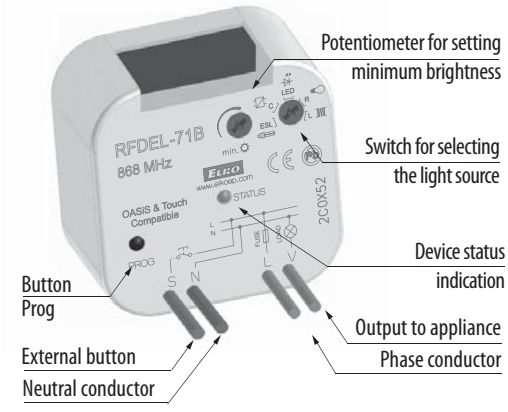
**Controlling the dimmer:**

- a short press of the button (< 0.5s) switches light on or off
- a long press (> 0.5s) enables fluid regulation of light intensity
- for the ESL load, when the lamp is switched off, a short press increases the brightness to the maximum level (when the energy saver „lights up") and then drops to the preset level

**Setting the minimum brightness:**

- performed using the potentiometer on the front side
- used mainly when dimming energy-saving fluorescent tubes and LED bulbs due to their differing illumination characteristics
- it prevents unwanted flashing when setting the actuator to the min. brightness

## Description of the device




## Connection