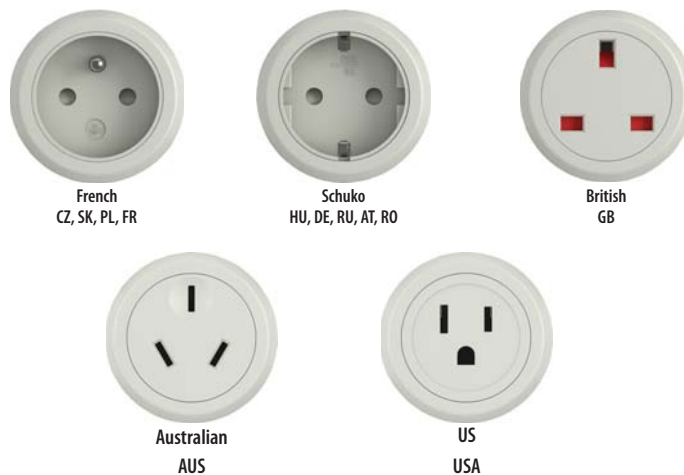




- The dimmed socket is used to control light sources that are connected by power cord - especially lamps:
 - R – classic lamps
 - L – halogen lamps with wound transformer
 - C – halogen lamps with electronic transformer
 - ESL – dimmable energy-efficient fluorescent lamps
 - LED – LED light sources (230V),
- It can be combined with Controllers or System units iNELS RF Control.
- Thanks to the socket design, installation is simple by direct insertion into the existing socket.
- Output load 300W.
- **RFDSC-11**: single-function - dimming, ON/OFF.
- **RFDSC-71**: multi-function 6 light functions - smooth increase or decrease with time setting 2s-30 min.
- When switched off, the set level is stored in the memory, and when switched back on, it returns to the most recently set value.
- Thanks to setting the min. brightness by potentiometer, you will eliminate flashing of the LED and ESL light sources.
- 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.
- Range up to 160 m (in open space), if the signal is insufficient between the controller and unit, use the signal repeater RFRP-20.
- Communication frequency with bidirectional protocol iNELS RF Control.
- You will find more on light sources and dimming options at www.elkoep.com/solutions.

• Produced in 5 designs of sockets and plugs:



Technical parameters

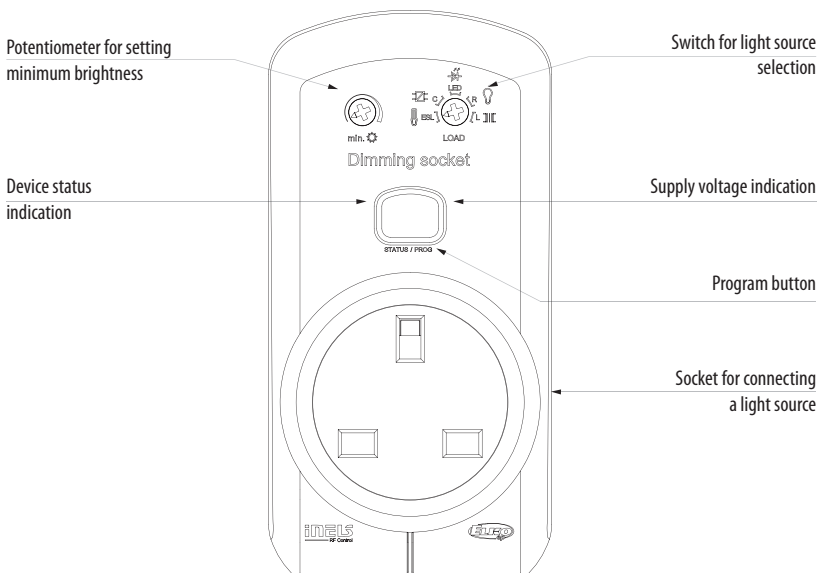
Supply voltage:	230 - 250V / 50-60Hz	120V AC / 60Hz
Apparent power:	1.1 VA	
Dissipated power:	0.8 W	
Supply voltage tolerance:	+10/ -15 %	
Dimming load:	R,L,C, LED, ESL	
Output		
Contactless:	2 x MOSFET	
Load capacity:	300 W*	150 W*
Control		
RF command from the transmitter:	868 MHz, 915 MHz, 916 MHz	
Range in open space:	up to 160 m (more on range on p. 53)	
Manual control:	button PROG (ON/OFF)	
Other data		
Operating temperature:	-20 up to + 35 °C	
Storage temperature:	-30 up to +70°C	
Working position:	any	
Mounting:	plug into a socket	
Protection:	IP 30	
Overvoltage category:	III.	
Contamination degree:	2	
Dimensions:	60 x 120 x 80 mm	
Weight:	129 g	
Related standards:	EN 60669, EN 300 220, EN 301 489 R&TTE Directive, Order. No 426/2000 Coll. (Directive 1999/EC)	

* Capacity for power factor $\cos \varphi=1$.
 The power factor of dimmable LEDs and ESL bulbs ranges from $\cos \varphi = 0.95$ 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.
 A list of test light sources can be found here : www.elkoep.com/solutions

Function

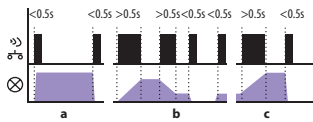
For more information, see p. 55.

Device description



Single function RFDA-11B, RFDSC-11

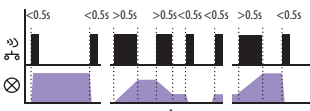
Light scene function



- a) By pressing the programmed button for less than 0.5 s, the light illuminates, by pressing the assigned button, it goes out.
- b) By pressing the programmed button for more than 0.5 s, fl uid brightness regulation will occur. After releasing the button, the brightness level is saved in the memory, and pressing the button shortly later will switch the light on/off to this intensity.
- c) It is possible to readjust the change in intensity at any time by a long press of the programmed button. The actuator remembers the adjusted value even after disconnecting from the power supply.

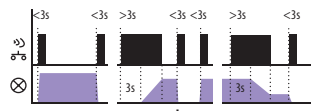
Multi function RFDA-61B, RFDA-73M/RGB, RFDEL-71B, RFDEL-71M, RFDSC-71, RFDAC-71B

Light scene function 1



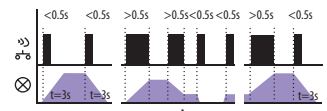
- a) By pressing the programmed button for less than 0.5 s, the light illuminates; it goes out by pressing again.
- b) By pressing the programmed button for more than 0.5 s, fl uid brightness regulation will occur. After releasing the button, the brightness level is saved in the memory, and pressing the button shortly later will switch the light on/off to this intensity.
- c) It is possible to readjust the change in intensity at any time by a long press of the programmed button. The actuator remembers the adjusted value even after disconnecting from the power supply.

Light scene function 2



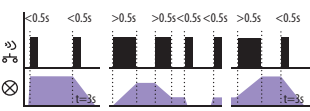
- a) By pressing the programmed button for less than 3 s, the light illuminates; it goes out by pressing again.
- b) In order to limit undesirable control of brightness, fl uid brightness control occurs only by pressing a programmed button for over 3 s. After releasing the button, the brightness level is saved in the memory, and pressing the button shortly later will switch the light on/off to this intensity.
- c) It is possible to readjust the change in intensity at any time by pressing the programmed button for over 3 s. The actuator remembers the adjusted value even after disconnecting from the power supply.

Light scene function 3



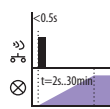
- a) By pressing the programmed button for less than 0.5 s, the light fl uidly illuminates for a period of 3 s (at 100% brightness). By pressing the button shortly again, the light will continuously switch off for 3 seconds.
- b) By pressing the programmed button for more than 0.5 s, fl uid brightness regulation will occur. After releasing the button, the brightness level is saved in the memory, and pressing the button shortly later will switch the light on/off to this intensity.
- c) It is possible to readjust the change in intensity at any time by a long press of the programmed button. The actuator remembers the adjusted value even after disconnecting from the power supply.

Light scene function 4



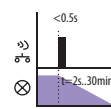
- a) By pressing the programmed button for less than 0.5 s, the light illuminates. By pressing the button shortly again, the light will continuously switch off for 3 seconds (at 100% brightness).
- b) By pressing the programmed button for more than 0.5 s, fl uid brightness regulation will occur. After releasing the button, the brightness level is saved in the memory, and pressing the button shortly later will switch the light on/off to this intensity.
- c) It is possible to readjust the change in intensity at any time by a long press of the programmed button. The actuator remembers the adjusted value even after disconnecting from the power supply.

Function sunrise



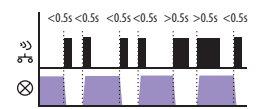
After pressing the programmed button, the light begins to illuminate in the programmed time interval in a range of 2 seconds to 30 minutes.

Function sunset



After pressing the programmed button, the light begins to dim in the programmed time interval in a range of 2 seconds to 30 minutes.

Function ON/OFF



If the light is switched off, pressing the programmed button will switch it on. If the light is switched on, pressing the programmed button will switch it off.

Loadability products

PRODUCT	AUTOMATIC LOAD DETECTION	R	L	C	ESL	LED		
		Standard light bulbs, halogen lamps	Low voltage lamps 12-24V wound transformers	Low voltage lamps 12-24V electric transformers	Efficient dimmable fluorescent lamps	CATEGORY 1 Mostly „multiple LED“ illumination sources, power provided by LINEAR source limiting current (sharper dimming), lower price.	CATEGORY 2 Sources that have 1-3 power LEDs, power provided by SWITCHING the source regulating brightness based on the input voltage (smoother dimming), higher price GU10 with a higher body.	CATEGORY 3 LED with DC and current regulation. Designed for dimming LED chips, LED strips, RGB LED.
RFDA-11B	●	●	●	●	X	X	●	X
RFDA-71B	●	●	●	●	X	X	●	X
RFDEL-71B	●	●	●	●	●	●	●	X
RFDEL-71M	●	●	●	●	●	●	●	X
RFDA-73M/RGB	X	X	X	X	X	X	X	●
RFDAC-71B	X	1 x Output 0/1-10 V			X	X	X	X
RFDSC-11	●	●	●	●	●	●	●	X
RFDSC-71	●	●	●	●	●	●	●	X

WARNING! Inductive and capacitive loads must not be connected simultaneously!