

# WIRELESS DIMMING SOCKET

EN

(CLASSIC VERSION)



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



## Content



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



Schuko



British



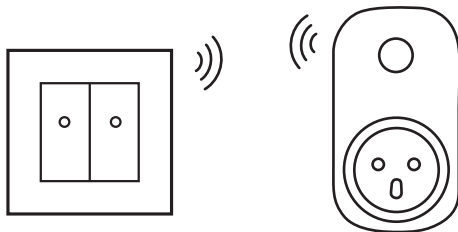
French

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")

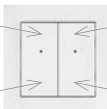


The individual **elements in the iNELS** set are paired and their **functions are preset**.

iNELS wireless dimming socket enables dimming of different types of lights or controlling electrical appliances

Switch ON/dimm UP  
light 1.  
(short/long press)

Switch OFF/dimm  
DOWN light 1.  
(short/long press)



Switch ON/dimm UP  
light 2.  
(short/long press)

Switch OFF/dimm  
DOWN light 2.  
(short/long press)

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





# On-wall button controller

## 4 buttons - RFWB-40/G

Detailed manual



RFGB-40

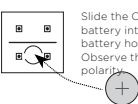
### Characteristics

- The wireless controller is used to control switches and dimmers (lights, gate, garage door, blinds, etc.).
- **RFWB-40/G**: four buttons enable control of four units independently.
- The flat design with 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

- 

Using a screwdriver, carefully pry off the device from the frame.
- 

Gently pull to remove the cover.
- 

Slide the CR2032 battery into the battery holder. Observe the polarity.
- 

Snap on the cover. The LED opening must be located in the upper part (for the RFWB-40, observe the positioning of the left and right cover
- 

Place the frame on the rear part.
- 

Snap the device with the cover into the prepared frame.

### Bezpečná manipulace s přístrojem



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



**Technical parametres****RFWB-40/G**

|                                                 |                                      |
|-------------------------------------------------|--------------------------------------|
| Supply voltage:                                 | 3 V battery CR 2032                  |
| Transmission indication:                        | red LED                              |
| Number of buttons:                              | 4                                    |
| Transmitter frequency:                          | 868.5 MHz                            |
| Signal transmission method:                     | unidirectionally addressed message   |
| Range in free space:                            | up to 200 m                          |
| <b>Other data:</b>                              |                                      |
| 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<br>- 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 instal iNELS RF Control system, you have to keep minimal distance 1 cm between each units. Between the individual commands must be an interval of at least 1s.





# Dimming socket plug RFDSC-71N

Detailed manual

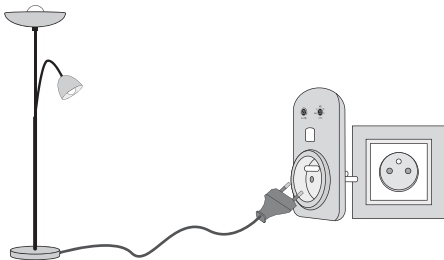


RFDSC-71N

## 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 RFIO<sup>2</sup> that support 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 %                              |
| <b>Output:</b>                   |                                           |
| Contactless:                     | 2 x MOSFET                                |
| Load capacity:                   | 200 W *                                   |
| <b>Control:</b>                  |                                           |
| RF command from the transmitter: | 868.5 MHz                                 |
| Range in open space:             | up to 160 m                               |
| Manual control:                  | button PROG (ON/OFF)                      |
| <b>Other data:</b>               |                                           |
| 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 301 489 |

\* 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.



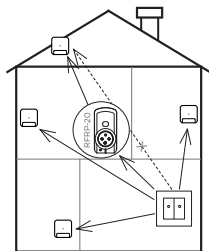
## Compatibility

The device can be combined with all system components, controls and devices of iNELS RF Control and iNELS RF Control<sup>2</sup>.

The detector can be assigned an iNELS RF Control<sup>2</sup> (RFIO<sup>2</sup>) communication protocol.

## Radiofrequency signal penetration through various construction materials

Range up to 200 m (2 inch) 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

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 qualification with 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. – radio-frequency signal can be shielded by an obstruction, interfered, battery of the transceiver can get flat etc. and thus disable remote control.

Designed & Manufactured by:

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