WIRELESS SWITCHES
KEY FOB

EN

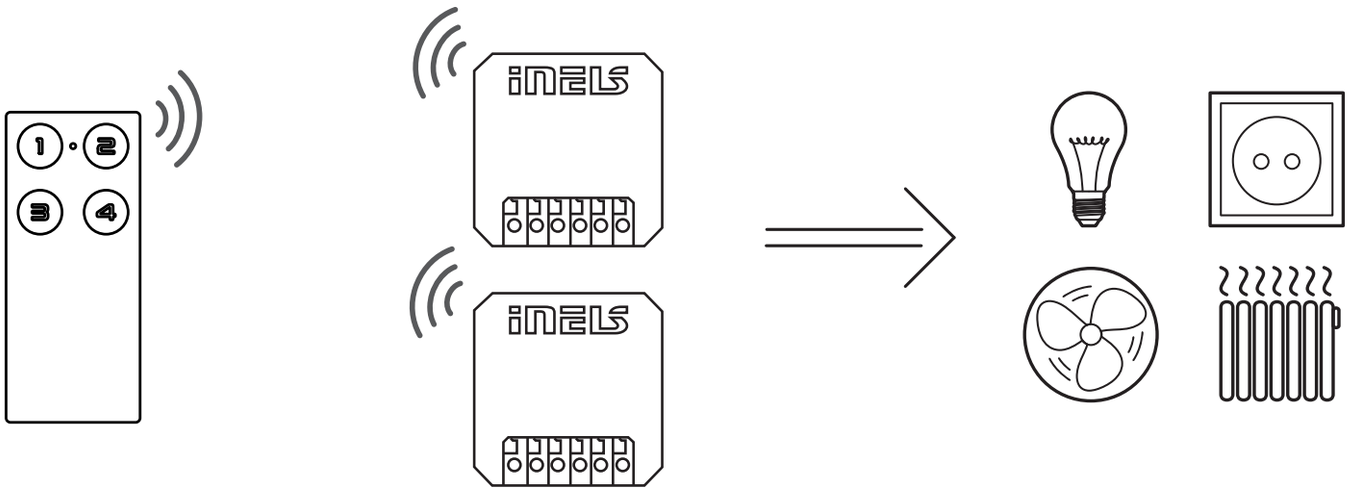
Combination of iNELS switching element for universal use. It can be used to control electrical appliances, lights, sockets, garage doors, etc.

Package

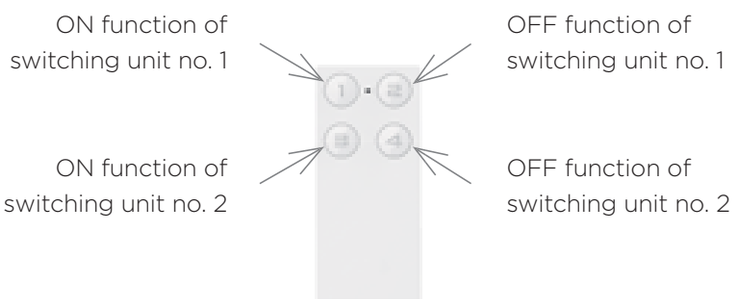
Controller – key fob RF KEY-40/W, RF KEY-40/B

Switch unit, 1-channel RFSAI-11B-SL

EAN 8595188182997 (Controller – key fob White + 2x Switch unit, 1-channel)
EAN 8595188182980 (Controller – key fob Black + 2x Switch unit, 1-channel)



The individual **elements in the iNELS set are paired** and their **functions are preset.** iNELS kit with key fob enables the basic function of controlling electrical appliances - **ON / OFF.** The appliances can be controlled independently by a key fob.



Controller – key fob RF KEY-40

Detailed manual

RF KEY 40

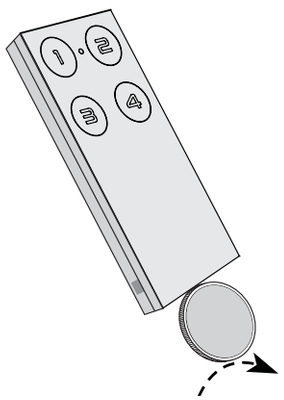
RF KEY 40/B – 4 button controller - keychain (remote control), black
RF KEY 40/W – 4 button controller - keychain (remote control), white

Characteristics

- Key fob-sized remote control - used to control, lights, gate, garage door, shitters, etc.
- 4 buttons, each of which allows you to control an unlimited number of components.
- Replaceable battery (3 V CR 2032 - included in the package) with a service life of approx. 5 years (depending on the frequency of use).

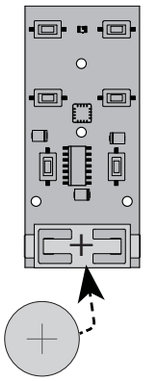
Insertion and replacement of a battery RF KEY-40

1



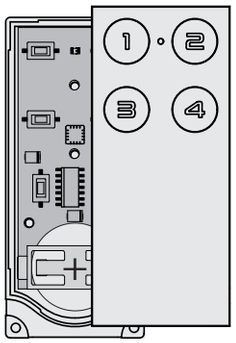
Use a coin to open the key fob and remove the front cover. Carefully tap the device out of the bottom cover.

2



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

3



Insert the device into the bottom cover. Attach the front of the cover and click.

Safe handling

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 parameters	**RF KEY-40**
Supply voltage:	3 V battery CR 2032
Battery life:	about 5 years depending on the frequency of use
Transmission indication:	red LED
Number of buttons:	4
Communication Protocol:	RFIO
Frequency:	868,5 MHz
Signal transmission method:	one-way addressed message
Range:	in the open up to 200 m
Other data	
Operating temperature:	-10 ... +50 °C (14 ... 122 °F)
Operating position:	any
Colour design	white, black
Protection:	IP20
Pollution degree:	2
Dimensions:	64 x 25 x 10 mm
Weight:	16 g
Related standards:	EN 60669, EN 300 220, EN 301489, No 426/2000 Coll.

Attention

When you install iNELS RF Control system, you have to keep a minimal distance of 1 cm (0.4“) between each unit. Between the individual commands must be an interval of at least 1s.

Switch unit, 1-channel
RFSAI-11B-SL

Detailed manual

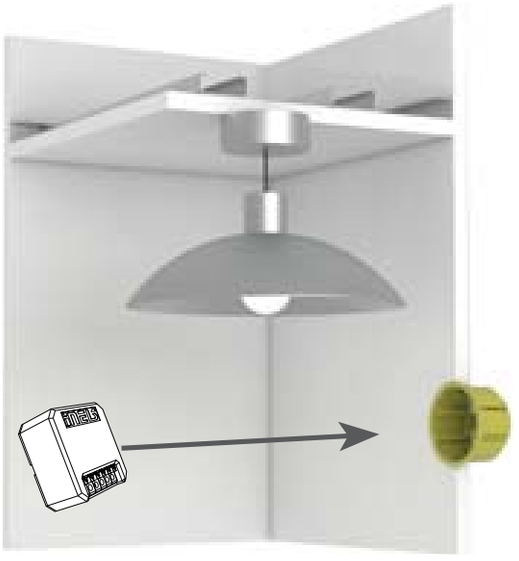
RFSAI-11B-SL

Characteristics

- The switching unit with 1 output channel is used to control appliances, lights, etc.
- They can be combined with detectors, controllers, iNELS RF Control or system components.
- The BOX design lets you mount it right in an installation box, a ceiling or a controlled appliance cover.
- The switched load up to 8 A (2.000 W).
- Single-function design - switch on/off .
- The output on the switching unit can be controlled by up to 25 channels (1 channel represents one button on the controller).
- The programming button on the unit is also used for manual control of the output.
- Memory status can be pre-set in the event of a power failure.
- For components labeled as iNELS RF Control2 (RFIO2), it is possible to set the repeater function via the RFAF/USB service device.
- Communication frequency with bidirectional protocol iNELS RF Control^2 (RFIO^2).

Installation options

In to the installation box



into the ceiling light cover

under ceiling mounted

Technical parameters **RFSAI-11B-SL**

Supply voltage:	230 V AC
Supply voltage frequency:	50-60 Hz
Power apparent / dissipated:	7 VA / cos φ = 0.1 / 0.7 W
Output:	
Number of contacts:	1x switching contacts (AgSnO2)
Rated current: / switching power	8 A / AC1 / 2000 VA
Peak current:	10 A / <3 s
Max. switching voltage:	250 V AC1
Communation:	
Manual:	button PROG (ON/OFF)
Frequency:	868.5 MHz
Other data:	
Operating temperature:	-15 ... + 50 °C (5 ... 122 °F)
Mounting:	free at lead-in wires
Protection:	IP40
Overvoltage category:	III.
Dimensions:	43 x 44 x 22 mm
Weight:	31 g
Related standards:	EN 60730, EN 63044, EN 300 220, EN 301 489

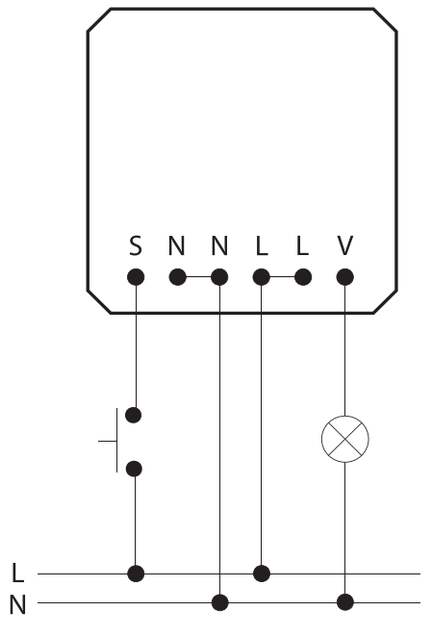
Compatibility

The device can be combined with devices of iNELS RF Control2 with RFIO2 protocol.

Connection

S - external input
N - neutral wire
L - phase wire
V - output

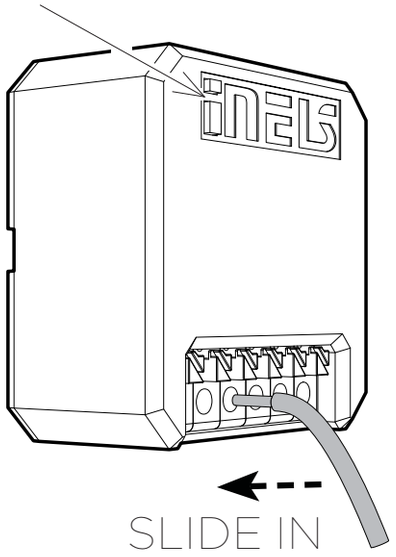
RFSAI-11B-SL



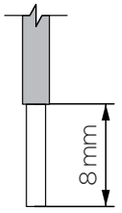
L
N

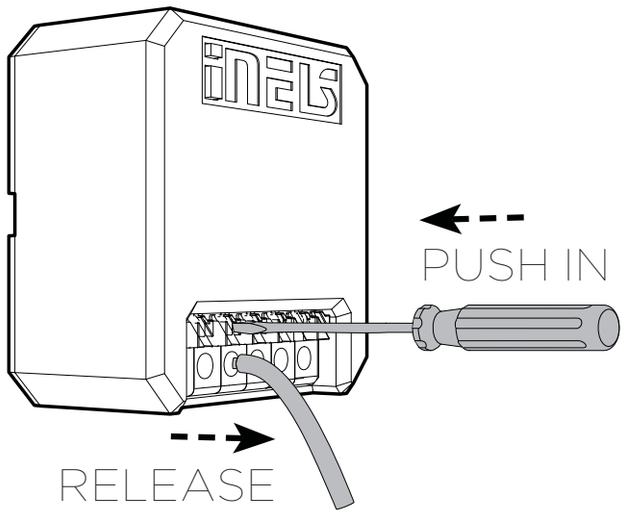
The screw-less terminal

i - programing button
- manual controll
- output status indication



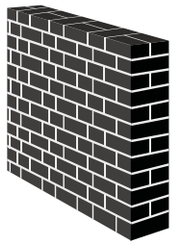
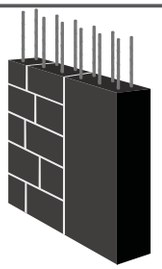
Solid conductor
20~16 AWG
0.2 ~1.5 mm²

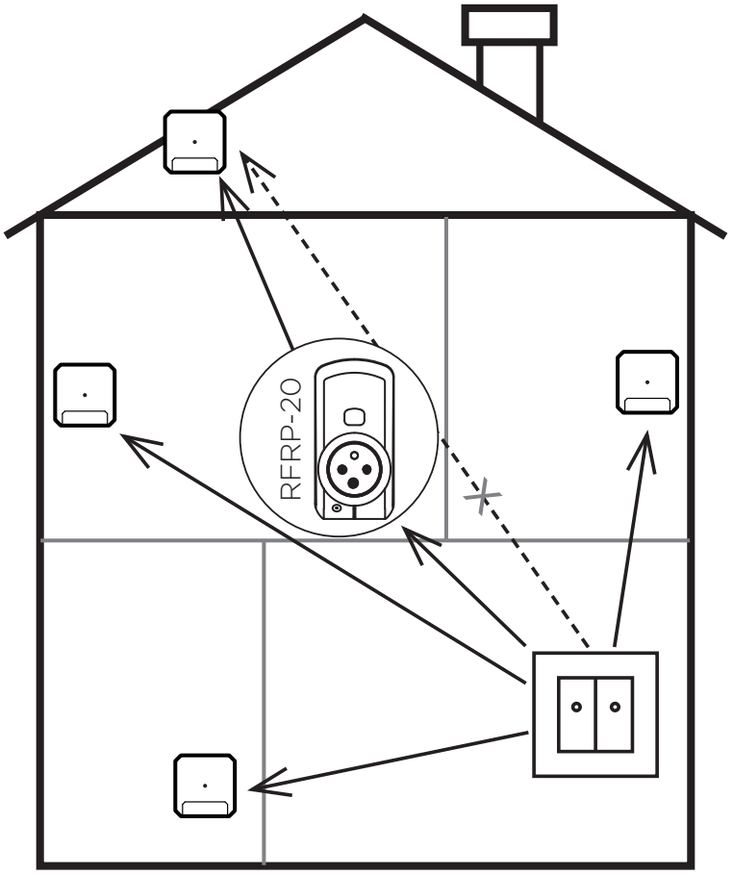




Radiofrequency signal penetration through various construction materials

Range up to 200 m (2 inch) 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.

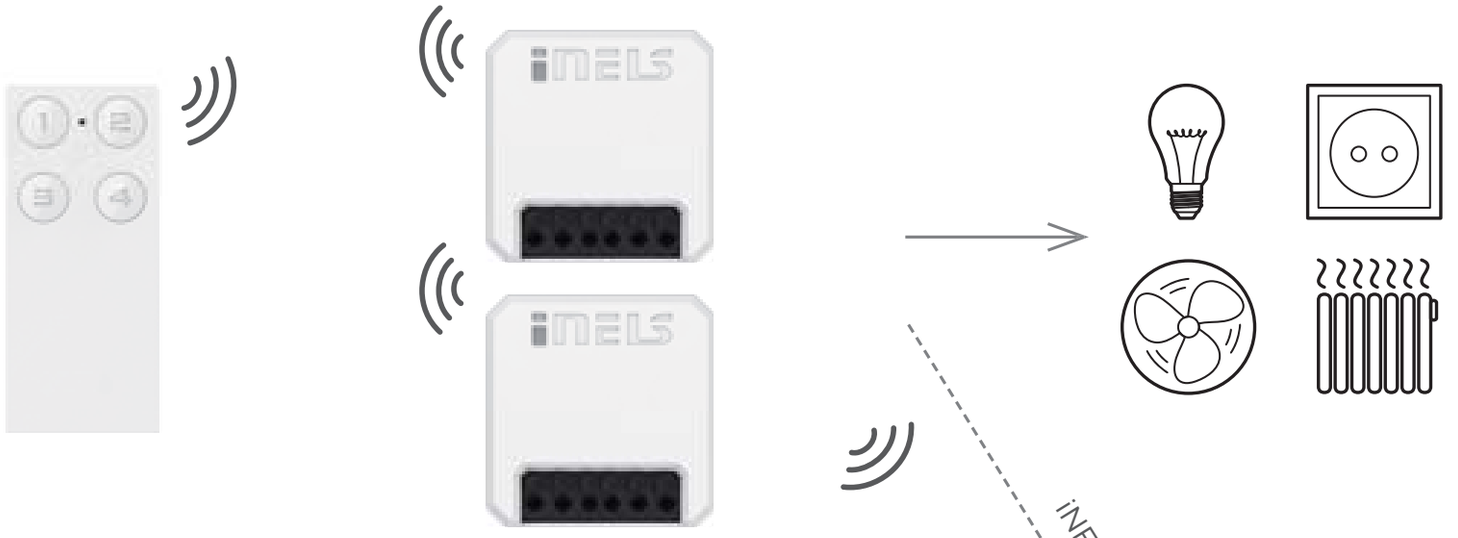
				
60 - 90 %	80 - 95 %	20 - 60 %	0 - 10 %	80- 90 %
brick walls	wooden structures with plaster boards	reinforced concrete	metal partitions	common glass



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.

Notes



A smart RF gateway is required for control via the iNELS application.

Designed & Manufactured by:

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