

RFGB-20, RFGB-40, RFGB-220, RFGB-240

EN Glass touch controllers



iNELS
RF Control

RFGB-20



RFGB-40



RFGB-220



RFGB-240



A NEW WAY OF PROGRAMMING!

Characteristics

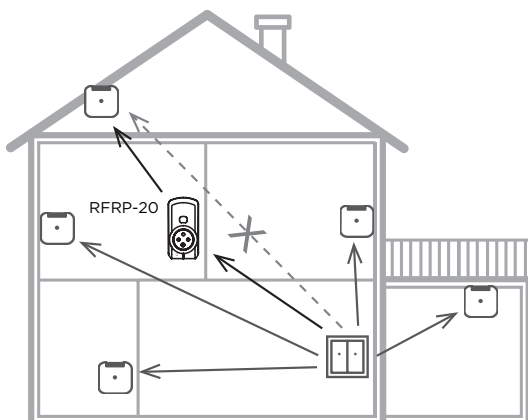
- The glass touch control is a design component of the RF Control system and is available in an elegant black and white variant.
- Thickness only 8 mm.
- RFGB-20 / RFGB-220: 2 capacitive buttons allow you to control 2 components.
- RFGB-40 / RFGB-240: 4 capacitive buttons allow you to control 4 components.
- When the button is pressed, it sends the set command (ON / OFF, dimming, time off / on, push/ pull). Transmission of the command is indicated by a red LED.
- Ability to set scenes where you control multiple iNELS RF Control devices with one press.
- The rear base allows screwing on the installation box, gluing with double-sided tape or just laying on the table.
- Battery power supply (2x 3 V battery CR 2032 - part of the package) with a lifespan of approx. 2 years depending on the frequency of use.
- Range up to 200 m (outdoors), in case of insufficient signal between the controller and the device use the RFRP-20 signal repeater or devices with the RFIO2 protocol that support this function.
- Communication frequency with RFIO protocol.

Control options

RF controllers can control:

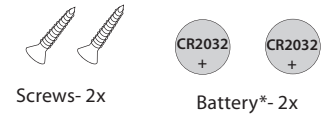
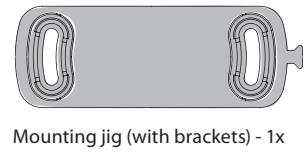
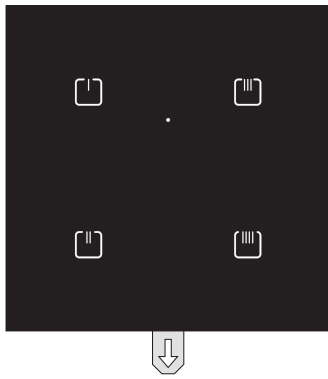
- switches
RFSA-11B, RFSA-61B, RFSA-62B, RFSA-61M, RFSA-66M, RFSAI-61B, RFSC-11, RFSC-61, RFUS-11, RFUS-61, RFJA-12B
- dimmers
RFDA-73/RGB, RFDA-11B, RFDA-71B, RFDEL-71B, RFDEL-71M, RFDSC-11, RFDSC-71, RFDAC-71B
- lighting
RF-RGB-LED-550, RF-White-LED-675

Radio frequency signal penetration through various construction materials



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

Package contents



* Batteries are inserted in the product. Before using for the first time, remove the insulating tape from the battery contacts by pulling in the direction of the arrow.

Indicators, settings

After inserting the battery, the red LED lights up continuously for 3 seconds and then for 5 seconds, the selected controller function is indicated by flashing LED.

- triple flash - standard RFIO operating mode
- rapid flashing - mode of compatibility with older actuators

If you do not want to change the function of the controller, you must not press any buttons during this time

To switch between RFIO mode and compatibility mode:

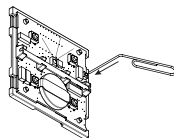
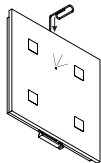
If you need to change the operating mode of the controller, after inserting the battery, when the LED is constantly lit, press buttons 1 and 2 simultaneously and hold until the LED starts to signal the changed mode (double flash or rapid flash).

Then the buttons must be released. The selected function mode is stored in memory and after replacing the battery, the controller continues to operate in the same mode.

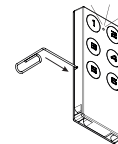
If the controller is used in RFIO mode, then it is necessary to instruct the controller and link to the actuators switch to learn mode not only the actuator (according to the instructions for the actuator), but also the controller in the following way:

Remove the battery from the controller, press some of the buttons several times to discharge the internal capacitors and replace the battery. When the LED lights up, press button 1 and keep it pressed until the controller starts signaling the learning mode with short flashing LEDs. Then release the button and the button now works in RFIO learning mode. To end the learning mode, remove the battery, press some of the buttons several times, and then replace the battery. Now we press any button and the controller will start again in RFIO operating mode.

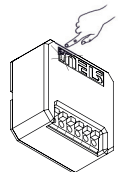
Use a suitable tool (paper clip, screwdriver) to push on the control pin. The batteries are raised and the programming button is released.



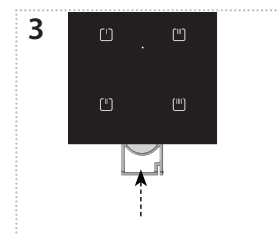
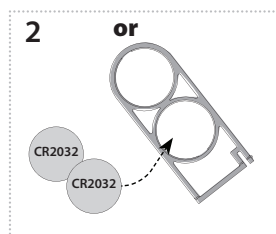
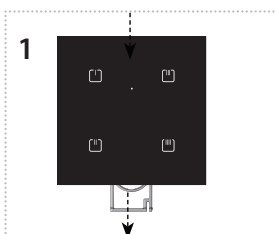
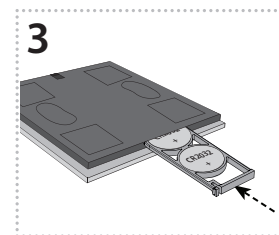
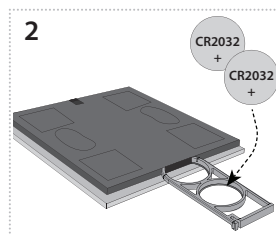
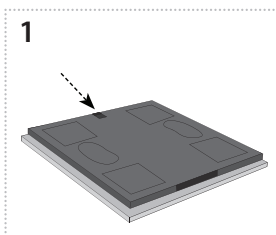
After removing the control flaps, the programming button is accessible.



The programming button is operated with a suitable thin tool.



Insertion and replacement of a battery



Press to open the plug-in battery holder (you can use a flat-blade screwdriver to open it).

Insert the CR2032 battery into Battery holder. Watch out for polarity.

Insert the holder into the device.

Never mix new and old batteries when replacing! It is always necessary to replace both batteries at the same time with new ones

Technical parameters

	RFGB-20	RFGB-40	RFGB-220	RFGB-240
Power voltage:	2x 3 V battery CR 2032			
Battery life:	about 2 years depending on the frequency of use			
Transmission indication:	Red LED			
Number of capacitive buttons:	2	4	2	4
Communication Protocol:	RFIO			
Frequency:	866–922 MHz			
Signal transmission method:	one-way addressed message			
Range:	in the open up to 200 m			
Other data				
Operating Temperature:	-10 ... +50 °C			
Working Position:	any			
Mounting:	adhesive, screw			
Protection:	IP20			
Pollution degree:	2			
Dimension:	94 x 94 x 8 mm		100 x 100 x 8 mm	
Weight:	122 g	122 g	122 g	122 g
Related standards:	EN 60669, EN 300 220, EN 301 489 RTTE Directive, NV No. 426/2000 Coll. (Directive 1999 / EC)			

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.

More detailed information can be found in the iNELS RF Control Installation Manual:
<https://www.elkoep.com/catalogs-and-brochures>

ELKO EP, sro hereby declares that the type of radio equipment RFGB-20, RFGB-40, RFGB-220, RFGB-240 is in accordance with Directives 2014/53 / EU, 2011/65 / EU, 2015/863 / EU and 2014 / 35 / EU. The full text of the EU Declaration of Conformity is available on the following websites:

www.elkoep.com/glass-touch-controller---2-buttons-white-sharp
www.elkoep.com/glass-touch-controller---2-buttons-black-sharp
www.elkoep.com/glass-touch-controller---4-buttons-white-sharp
www.elkoep.com/glass-touch-controller---4-buttons-black-sharp

www.elkoep.com/glass-touch-controller---2-buttons-white-round--rfgb-220w
www.elkoep.com/glass-touch-controller---2-buttons-black-round-rfgb-220b
www.elkoep.com/glass-touch-controller---4-buttons-white-round-rfgb-240w
www.elkoep.com/glass-touch-controller---4-buttons-black-round-rfgb-240b

Warning

Instruction manual is designated for mounting and also for user 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 upon 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. 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. - radiofrequency signal can be shielded by an obstruction, interfered, battery of the transceiver can get flat etc. and thus disable remote control.

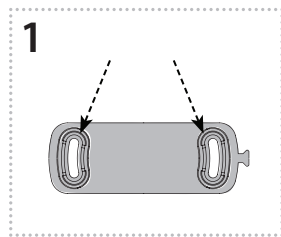
Safe handling



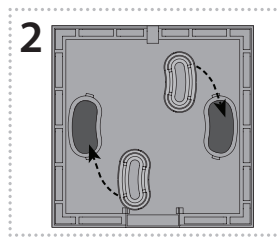
When handling a device unboxed it is important to avoid contact with liquids. Never place the device on the conductive pads or objects, avoid unnecessary contact with the components of the device.

Assembly

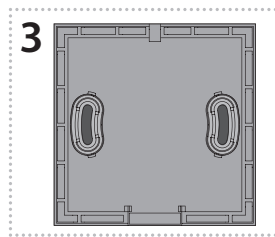
Free fitting



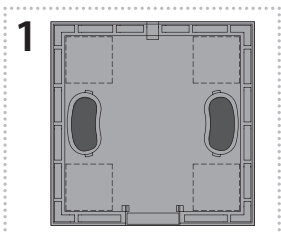
1
Push the brackets out of the mounting fixture.



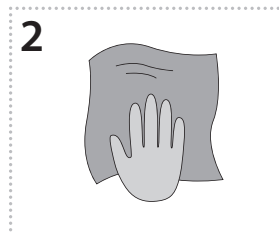
2
Push the holders into the holes.



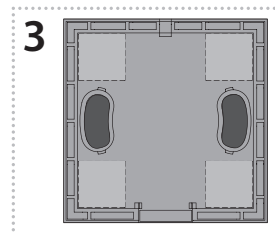
Adhesive



1
Peel off one protective layer on the double-sided adhesive sheets and stick them to the marked places on the controller.

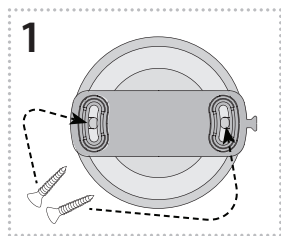


2
Depending on the type of surface, clean (remove dust or degrease) the place where you want to place the controller.

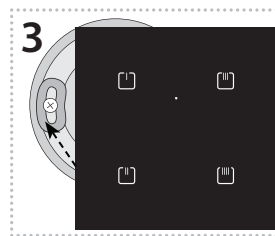
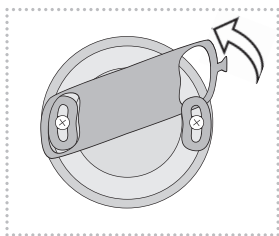


3
Peel off the second protective layer on the double-sided adhesive sheets and place the control in the prepared place.

Screw



1
Place the mounting jig on the KU box and screw it on.



3
Snap on the controller.