

RFSW-62/W
(WHITE glass, SHARP)

- The glass design controller with two output relays is used to control appliances and lights.
- The 4 or 6 button touch controls on the circuit breaker allow you to directly control the output relay as well as other components of the installation.
- The backlight intensity (white LED) of the buttons is automatically adjusted depending on the ambient lighting.
- They can be combined with detectors, controllers, iNELS Wireless or system components.
- 6 functions – button, impulse relay and time function of delayed start or return with a time setting of 2 s - 60 min. Any function can be assigned to each output relay. Function description can be found on p. 90.
- Possibility to set the memory of the output state during a power failure and subsequent restoration of the power supply.
- Each of the outputs can be controlled by up to 12/12 channels (1 channel represents one button on the controller).
- Range up to 160 m (in open space).
- Communication frequency with bidirectional protocol RFIO2.
- Pairing controllers on p. 88.
- Available with AC 230V or AC/DC 24V power supply with the option of galvanically isolated relay output contacts from the power supply (see table on the next page and connection below)

Technical parameters

RFSW-xx

Supply voltage:	230 V AC / 50-60 Hz	24 V AC/DC
Apparent / Dissipated power:	1.2 VA/0.6 W	0.6 VA/0.6 W
Supply voltage tolerance:	±10 %	

Output

Relays capacity:	2x switching / 8 A / AC1 / 2000 VA / ZERO CROSS
Peak current:	I _{peak} <110A 300us / max. input capacitance 125 uF
Mechanical life:	mechanical 10 mil. / electrical 100,000 cycles

Control

Control items:	4 or 6 buttons
Communication:	wireless, iNELS RFIO2 protocol
Frequency:	866-922 MHz (more on page 85)
Repeater Function:	yes
Range:	in open areas up to 160 m

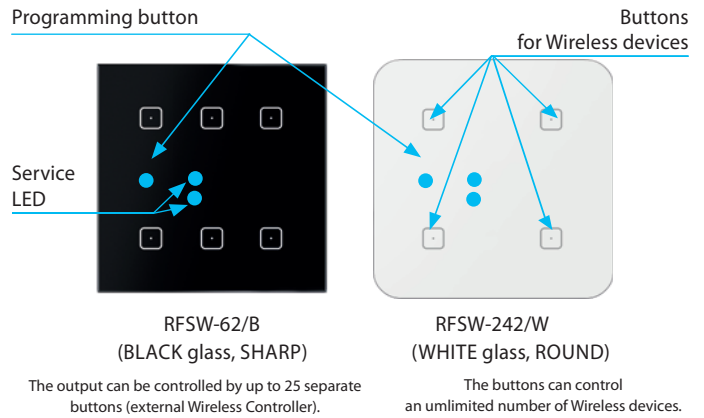
Connection

Terminal block:	screwless - push in
Wire gauge:	0.2 - 1.5 mm ² solid flexible

Other data

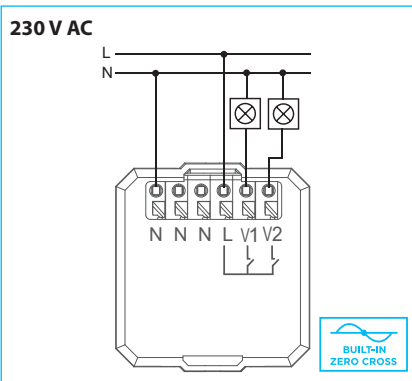
Operating temperature:	-10 to +50 °C
Storing temperature:	-30 to +70 °C
Protection degree:	IP20
Overvoltage category:	II.
Pollution degree:	2
Operation position:	any
Installation:	flush mount to the installation box, BS or EU standard
Dimensions:	Sharp: 94 x 94 x 39 mm / Round: 100 x 100 x 39 mm
Weight:	Sharp: 131 g / Round: 138 g
Related standards:	EN 60730, EN 63044, EN 301489, EN 300 220

Instrument description

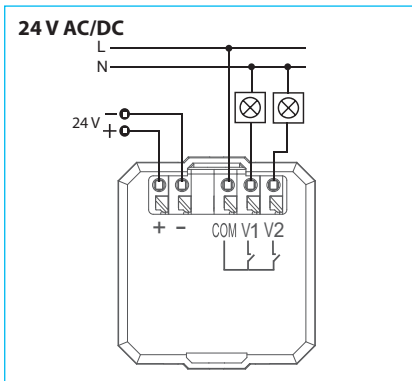


Output relays are equipped with ZERO CROSS technology, which allows switching the load when the voltage passes zero, i.e. in the minimum current consumption, which prevents burning and sticking of relay contacts - especially when switching electronic ballasts, which are part of each LED luminaire.

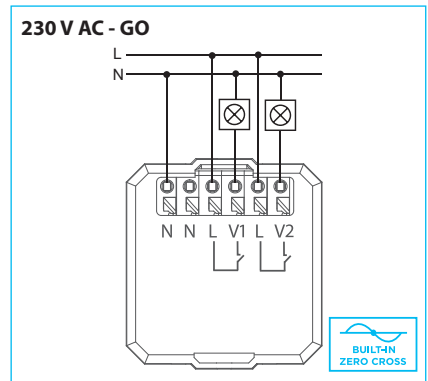
Connection



The output contacts (V1, V2) switch the phase potential (L) and are equipped with **zero cross** switching technology



The output contacts (V1, V2) are galvanically isolated from the power supply and share a common COM terminal



Output contact V1 is at the same potential as the product power supply. Output contact V2 is separate from the power supply but must be connected to the same potential. The wiring is used when it is necessary to secure V1 and V2 separately.

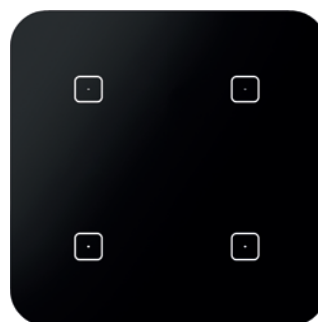


RFSW-242/W

(WHITE glass, ROUND)

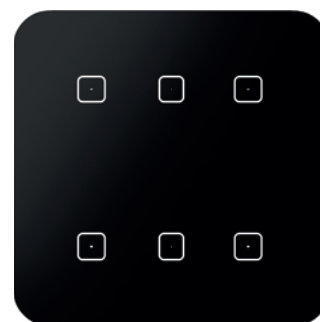


RFSW-262/W



RFSW-242/B

(BLACK glass, ROUND)

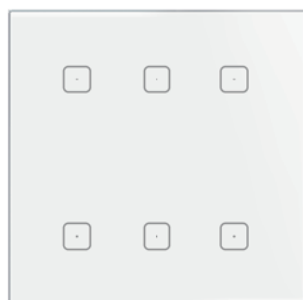


RFSW-262/B

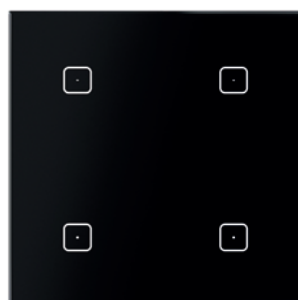


RFSW-42/W

(WHITE glass, SHARP)

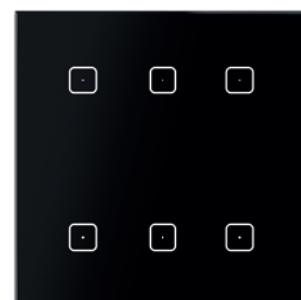


RFSW-62/W



RFSW-42/B

(BLACK glass, SHARP)



RFSW-62/B

Icons are illustrative - configure your own
look using the configurator:
icons.inels.com



Type	Number of buttons	Design ROUND SHARP	Glass colour	Power supply	Galvanically isolated output contact	EAN	Code
RFSW-42/W/230V	4	S	White	AC 230 V	-	8595188188913	8891
RFSW-62/W/230V	6	S	White	AC 230 V	-	8595188193269	9326
RFSW-242/W/230V	4	R	White	AC 230 V	-	8595188188920	8892
RFSW-262/W/230V	6	R	White	AC 230 V	-	8595188193276	9327
RFSW-42/B/230V	4	S	Black	AC 230 V	-	8595188188708	8870
RFSW-62/B/230V	6	S	Black	AC 230 V	-	8595188193245	9324
RFSW-242/B/230V	4	R	Black	AC 230 V	-	8595188188906	8890
RFSW-262/B/230V	6	R	Black	AC 230 V	-	8595188193252	9325
RFSW-42/W/24V	4	S	White	AC/DC 24 V	✓	8595188193221	9322
RFSW-62/W/24V	6	S	White	AC/DC 24 V	✓	8595188193344	9334
RFSW-242/W/24V	4	R	White	AC/DC 24 V	✓	8595188193238	9323
RFSW-262/W/24V	6	R	White	AC/DC 24 V	✓	8595188193351	9335
RFSW-42/B/24V	4	S	Black	AC/DC 24 V	✓	8595188193207	9320
RFSW-62/B/24V	6	S	Black	AC/DC 24 V	✓	8595188193320	9332
RFSW-242/B/24V	4	R	Black	AC/DC 24 V	✓	8595188193214	9321
RFSW-262/B/24V	6	R	Black	AC/DC 24 V	✓	8595188193337	9333
RFSW-42/WGO/230V	4	S	White	AC 230 V	✓	8595188193184	9318
RFSW-62/WGO/230V	6	S	White	AC 230 V	✓	8595188193306	9330
RFSW-242/WGO/230V	4	R	White	AC 230 V	✓	8595188193191	9319
RFSW-262/WGO/230V	6	R	White	AC 230 V	✓	8595188193313	9331
RFSW-42/BGO/230V	4	S	Black	AC 230 V	✓	8595188193160	9316
RFSW-62/BGO/230V	6	S	Black	AC 230 V	✓	8595188193283	9328
RFSW-242/BGO/230V	4	R	Black	AC 230 V	✓	8595188193177	9317
RFSW-262/BGO/230V	6	R	Black	AC 230 V	✓	8595188193290	9329