

Technical parameters	RFSA-11B/230V	RFSA-11B/120V	RFSA-11B/24V
	RFSA-61B/230V	RFSA-61B/120V	RFSA-61B/24V
Supply voltage:	230 V AC	120 V AC	12-24 V AC / DC
Supply voltage frequency:	50-60 Hz	60 Hz	50-60 Hz
Apparent input:	7 VA / $\cos \varphi = 0.1$	7 VA / $\cos \varphi = 0.1$	-
Dissipated power:	0.7 W	0.7 W	0.7 W
Supply voltage tolerance:	+10 %; -15 %		

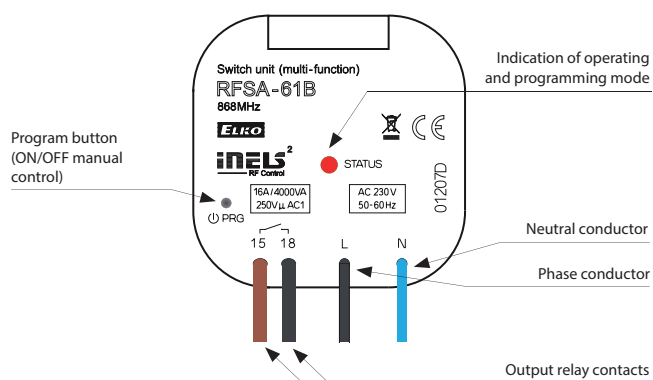
Output	
Number of contacts:	1x switching (AgSnO ₂)
Rated current:	16 A / AC1
Switching power:	4000 VA / AC1, 384 W / DC
Peak current:	30 A / <3 s
Switching voltage:	250 V AC1 / 24 V DC
Max. DC switching power:	500 mW
Mechanical service life:	3x 10 ⁷
Electrical service life (AC1):	0.7x 10 ⁵

Control	
Wireless:	up to 25 channels (buttons)
Communication protocol:	RFIO2
Frequency:	866-922 MHz (for more information see p. 80)
Repeater function:	yes
Manual control:	button PROG (ON/OFF)
Range:	in open space up to 200 m

Other data	
Operating temperature:	-15 to + 50 °C
Operating position:	any
Mounting:	free at lead-in wires
Protection:	IP30
Overvoltage category:	III.
Contamination degree:	2
Terminals (CY wire, cross-section):	2x 0.75 mm ² , 2x 2.5 mm ²
Length of terminals:	90 mm
Dimensions:	49 x 49 x 21 mm
Weight:	46 g
Related standards:	EN 60669, EN 300 220, EN 301 489 R&TTE Directive, Order. No 426/2000 Coll. (Directive 1999/EC)

- The switching unit with 1 output channel 16 A is used to control appliances, lights (easy to integrate it to control garage doors or gates).
- They can be combined with detectors, controllers, iNELS RF Control or system components.
- **RFSA-11B:** single-function design - switch on/off.
- **RFSA-61B:** multi-function design – button, impulse relay and time function of delayed ON or OFF with time setting of 2 s - 60 min. Function description can be found on page 78.
- The switching unit may be controlled by up to 25 channels.
- 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.
- Range up to 200 m (in open space), if the signal is insufficient between the controller and unit, use the signal repeater RFRP-20 or protocol component RFIO2 that support this feature.
- Communication frequency with bidirectional protocol RFIO2.
- The BOX design lets you mount it right in an installation box, a ceiling or controlled appliance cover.

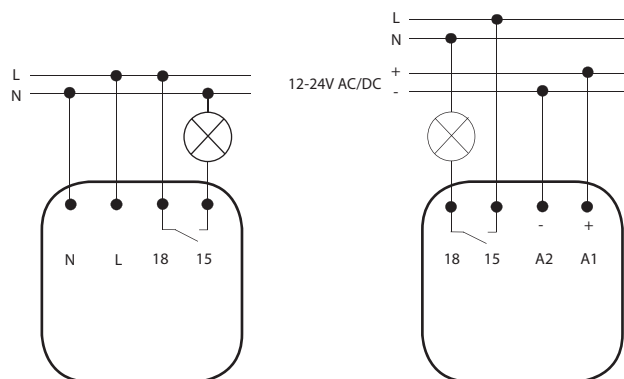
Device description



Connection

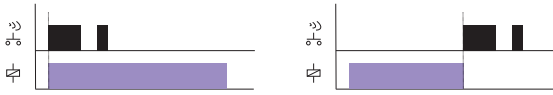
RFSA-11B/230V, RFSA-61B/230V
RFSA-11B/120V, RFSA-61B/120V

RFSA-61B/24V



Single function - RFSA-11B

Function button ON/OFF



The output contact closes by pressing one button position, and opens by pressing the other button position.

Multi function - RFSA-61B, RFSA-62B, RFSA-61M, RFSA-66M, RFSAI-61B, RFSAI-62B, RFSC-61, RFUS-61

Function 1 - button



The output contact will be closed by pressing the button and opened by releasing the button.

Function 2 - switch on



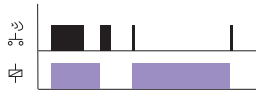
The output contact will be closed by pressing the button.

Function 3 - switch off



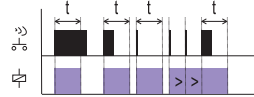
The output contact will be opened by pressing the button.

Function 4 - impulse relay



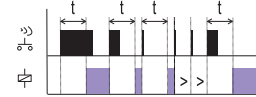
The output contact will be switched to the opposite position by each press of the button. If the contact was closed, it will be opened and vice versa.

Function 5 - delayed off



The output contact will be closed by pressing the button and opened after the set time interval has elapsed.
 $t = 2 \text{ s} \dots 60 \text{ min.}$

Function 6 - delayed on



The output contact will be opened by pressing the button and closed after the set time interval has elapsed.
 $t = 2 \text{ s} \dots 60 \text{ min.}$

Loadability products

RFJA-32B; RFSA-62B; RFSAI-62B; RFSA-66M

Load type	$\cos \varphi \geq 0.95$								
Contact material AgSnO ₂ , Contact 8 A	AC1	AC2	AC3	AC5a without compensation	AC5a with compensation	AC5b	AC6a	AC7b	AC12
	250 V / 8 A	250 V / 5 A	250 V / 4 A	x	x	250 W	250 V / 4 A	250 V / 1 A	250 V / 1 A
Load type									
Contact material AgSnO ₂ , Contact 8 A	AC13	AC14	AC15	DC1	DC3	DC5	DC12	DC13	DC14
	x	250 V / 4 A	250 V / 3 A	30 V / 8 A	24 V / 3 A	30 V / 2 A	30 V / 8 A	30 V / 2 A	x

RFUS-61

Load type	$\cos \varphi \geq 0.95$								
Contact material AgSnO ₂ , Contact 14 A	AC1	AC2	AC3	AC5a without compensation 230 V / 3 A (690 VA)	AC5a with compensation 230 V / 3 A (690VA) up to max input C=14uF	AC5b	AC6a	AC7b	AC12
	250 V / 12 A	250 V / 5 A	250 V / 3 A	230 V / 3 A (690 VA)	230 V / 3 A (690VA) up to max input C=14uF	1000 W	x	250 V / 3 A	x
Load type									
Contact material AgSnO ₂ , Contact 14 A	AC13	AC14	AC15	DC1	DC3	DC5	DC12	DC13	DC14
	x	250 V / 6 A	250 V / 6 A	24 V / 10 A	24 V / 3 A	24 V / 2 A	24 V / 6 A	24 V / 2 A	x

RFSA-11B; RFSA-61B; RFSA-61M; RFSC-61; RFSTI-11B; RFDAC-71B

Load type	$\cos \varphi \geq 0.95$								
Contact material AgSnO ₂ , Contact 16 A	AC1	AC2	AC3	AC5a without compensation 230 V / 3 A (690 VA)	AC5a with compensation 230 V / 3 A (690VA) up to max input C=14uF	AC5b	AC6a	AC7b	AC12
	250 V / 16 A	250 V / 5 A	250 V / 3 A	230 V / 3 A (690 VA)	230 V / 3 A (690VA) up to max input C=14uF	1000 W	x	250 V / 3 A	250 V / 10 A
Load type									
Contact material AgSnO ₂ , Contact 16 A	AC13	AC14	AC15	DC1	DC3	DC5	DC12	DC13	DC14
	x	250 V / 6 A	250 V / 6 A	24 V / 10 A	24 V / 3 A	24 V / 2 A	24 V / 6 A	24 V / 2 A	x