

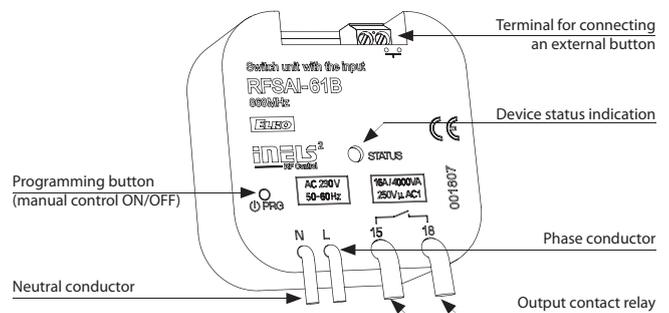


Technical parameters	RFSAI-61B/230V	RFSAI-61B/120V	RFSAI-61B/24V
Supply voltage:	230 V AC / 50-60 Hz	120 V AC / 60 Hz	12-24 V AC / DC
Apparent power:	7 VA / $\cos \varphi = 0.1$	7 VA / $\cos \varphi = 0.1$	-
Dissipated power:	0.7 W	0.7 W	0.7 W
Supply voltage tolerance:	+10 %; -15 %		
<b>Output</b>			
Number of contacts:	1x switching (AgSnO <sub>2</sub> )		
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		
Min. switching power DC:	500 mW		
Mechanical service life:	3x10 <sup>7</sup>		
Electrical service life (AC1):	0.7x10 <sup>5</sup>		
<b>Controlling</b>			
RF command from the transmitter:	866 MHz, 868 MHz, 916 MHz		
Manual control:	button PROG (ON/OFF)		
External button:	max. 12 m cable *		
Range in open space:	up to 200 m		
<b>Other data</b>			
Voltage of open contact:	3 V		
Resist. of connection for closed contact:	<1 kΩ		
Resist. of connection for open contact:	>10 kΩ		
Galvanic isolation of input:	no $\triangle$		
Operating temperature:	15 up to + 50 °C		
Working 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 <sup>2</sup> , 2x 2.5 mm <sup>2</sup>		
Terminal length:	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)		

\* Control button input is at the supply voltage potential.

- The switching unit with 1 output channel is used for controlling appliances and lights. It is possible to connect the existing button to the internal terminal in the wiring.
- 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 controlled appliance cover.
- It enables connection of the switched load up to 16 A (4 000 W).
- Function: button, impulse relay and time function of delayed start or return with time setting range of 2 s-60min.
- External button is programmed as a wireless button.
- Input is not galvanic isolated.
- The switching unit may be controlled by up to 25 channels (1 channel represents 1 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 it is possible to set the repeater function via the RFAF / USB service device.
- 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 RFIO<sup>2</sup> that support this feature.
- Communication frequency with bidirectional protocol iNELS RF Control<sup>2</sup> (RFIO<sup>2</sup>).

#### Device description

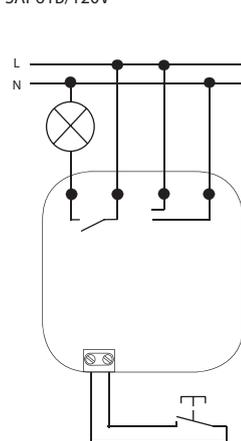


#### Function

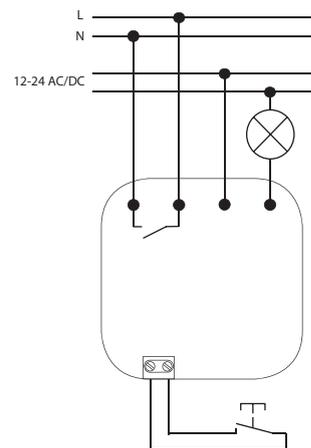
For more information see p. 74.

#### Connection

RFSAI-61B/230V  
RFSAI-61B/120V

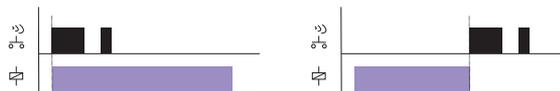


RFSAI-61B/24V



## 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



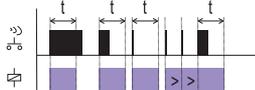
The output contact will be opened by pressing the button.

## Function 4 - impulse relay



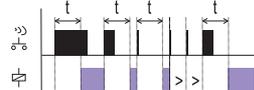
The output contact will be switched to the opposite position by each press of the button. If the contact was closed, it will be opened and vice versa.

## 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 s ... 60 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 s ... 60 min.

## Loadability products

## RFJA-12B; RFSA-62B; RFSAI-62B; RFSA-66M; RFSTI-11/G; RFGSM-220M

Load type	$\cos \varphi \geq 0.95$								
Contact material AgSnO <sub>2</sub> , 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 <sub>2</sub> , 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 <sub>2</sub> , 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			1000 W	x	250 V / 3 A	x
Load type									
Contact material AgSnO <sub>2</sub> , 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; RFSTI-11B; RFDAC-71B, RFSC-61, RFSAI-61B

Load type	$\cos \varphi \geq 0.95$								
Contact material AgSnO <sub>2</sub> , 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			1000 W	x	250 V / 3 A	250 V / 10 A
Load type									
Contact material AgSnO <sub>2</sub> , 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