

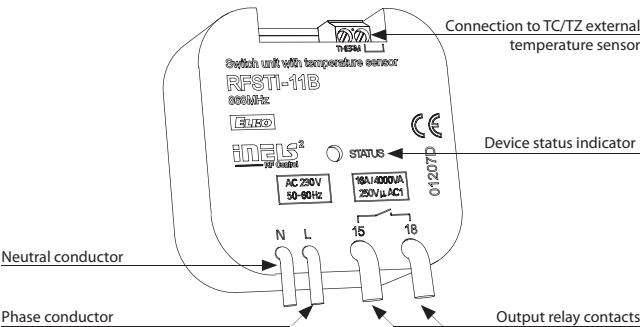


Technical parameters		RFSTI-11B/230V	RFSTI-11B/120V	RFSTI-11B/24V
Supply voltage:		230 V AC / 50-60 Hz	120 V AC / 60 Hz	12-24 V AC/DC 50-60 Hz
Apparent input:		7 VA / cos φ = 0.1	7 VA / cos φ = 0.1	-
Dissipated power:		0.7 W	0.7 W	0.7 W
Supply voltage tolerance:	+10 %; -15 %			
Temperature measurement input:	1x external TZ/TC temperature sensor input *			
Temp. measurement range and accuracy:	-20 to +50 °C; 0.5 °C of the range			
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:	3x10 ⁷			
Electrical service life (AC1):	0.7x10 ⁵			
Control				
RF command from the transmitter:	866 MHz, 868 MHz, 916 MHz			
Range in open space:	up to 160 m			
Other data				
Operating temperature:	-15 to + 50 °C			
Status indication:	red LED			
Operating position:	any			
Mounting:	free at lead-in wires			
Protection:	IP 30			
Overvoltage category:	III.			
Contamination degree:	2			
Outlets (CY wire, cross-section, length):	2 x 0.75 mm ² , 2 x 2.5 mm ² , 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)			

* Temperature sensor input is at the supply voltage potential.

- The temperature unit measures the temperature by external sensor, and controls the heating circuit (electric underfloor heating, air conditioning, boiler, etc.).
- These can be combined with system units: smart RF box eLAN-RF, wireless controller RF TC-50/G or touch unit RF Touch.
- It measures temperature in a range of -20..50 °C and sends it to the system unit in regular 5-min. intervals. It sends a signal upon sudden temperature change.
- Setting the heat/cool function, hysteresis and off set is performed in the system unit or application.
- 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).
- For components it is possible to set the repeater function via the RFAF / USB service device.
- Range up to 160 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 iNELS RF Control² (RFIO²).
- External sensor TC (0 ..+70 °C) or TZ (-40 ..+125 °C) for length of 0.11 m, 3 m, 6 m, 12 m.

Device description



Recommended external sensors

For more information see p. 62.

Connection

