

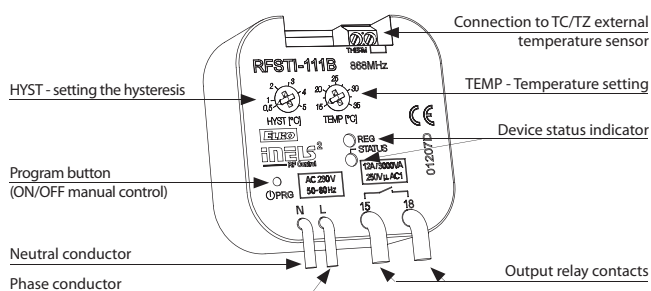


Technical parameters	RFSTI-111B/230V	RFSTI-111B/120V	RFSTI-111B/24V
Supply voltage:	230 V AC / 50-60 Hz	120 V AC / 60 Hz	12-24 V AC / DC 50-60 Hz
Apparent input:	9 VA / $\cos \varphi = 0.1$	9 VA / $\cos \varphi = 0.1$	-
Dissipated power:	0.7 W		
Supply voltage tolerance:	+10 %; -15 %		
Temperature measurement input:	1x external TZ/TC temperature sensor *		
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:	12 A / AC1		
Switching power:	3000 VA / AC1, 384 W / DC		
Peak current:	30 A / max. 4s at 10%		
Switching voltage:	250 V μ AC1 / 24 V DC		
Min. switching power:	100 mA / 10 V		
Insulation voltage between relay outputs and internal circuits:	reinforced insulation (Cat. III surges by EN 60664-1)		
Isolates. voltage open relay contact:	1 kV		
Mechanical service life:	3x10 ⁷		
Electrical service life (AC1):	5x10 ⁴		
Control			
Transmitter frequency:	866 MHz, 868 MHz, 916 MHz		
Range:	up to 160 m		
Other data			
Operating temperature:	-15 ... + 50 °C		
Storage temperature:	-30 ... + 70 °C		
Status indication:	red LED		
Indication regulation:	green LED		
Operating position:	any		
Mounting:	free at lead-in wires		
Protection:	IP30		
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:	50 g		

* Temperature sensor input is at the supply voltage potential.

- Temperature component with one output channel serves as protection against overheating of the room, where the influence of temperature can cause damage to furniture and appliances.
- It is particularly suitable for rooms with a tropical climate.
- The component measures temperature in the range of 5...35 °C external sensor and on the basis of the set (critical) temperature fan coil switches, air conditioning.
- 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 12 A (3000 VA).
- Components support communication with RF detectors.
- 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.
- For components it is possible to set the repeater function via the RFAF / USB service device.
- Communication frequency with bidirectional protocol iNELS RF Control² (RFIO²).
- External sensor TC (0 ..+70 °C) or TZ (-40 ..+125 °C) for length of 3 m, 6 m, 12 m.

Device description



Function

The external sensor senses the temperature of the room, turns the air conditioner on and off according to the set temperature. Responds to commands from the detector - when you open the window, turn off air conditioning.

Connection

