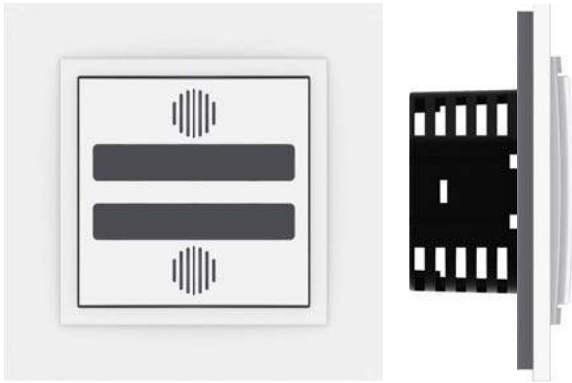
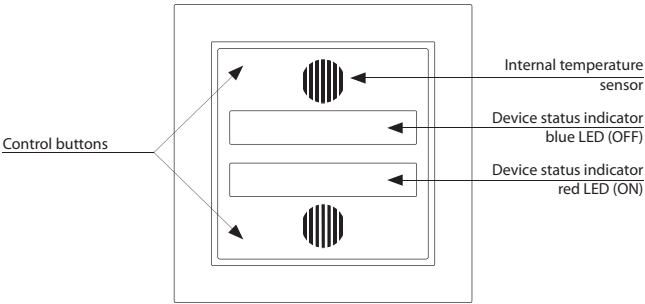




- The thermo-regulation drive measures the (internal / external) temperature by external sensor, and controls the heating circuit (electric underfloor heating, air conditioning, boiler, etc.).
- Function:
 - Internal – measures temperature by internal sensor and sends it to the system unit.
 - External – measures temperature by external sensor and sends it to the system unit.
 - Combo – measure room temperature by internal sensor and monitors critical floor temperature by external sensor.
- These can be combined with system units: smart RF box eLAN-RF or touch unit RF Touch.
- Manual control of temperature directly using buttons on the unit, where by pressing the upper button, a command is sent for automatic switching to the mode Party (preset temperature), and a press of the lower button sends a signal for switching to energy-saving mode (the change in temperature applies until the next set change of the heating program).
- Indication of status switched ON/OFF is provided by (red/blue) LED, which is found under the transparent cover of the temperature unit.
- 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 within 1 min.
- Setting the heat/cool function, hysteresis and off set is performed in the system unit or application.
- Switch design (design LOGUS⁹⁰) offers mounting in an installation box.
- It enables connection of the switched load up to 8 A (2 000 W).
- The unit power supply is 110-230 V AC.
- 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).
- Color combination of heating unit in design of frames LOGUS⁹⁰ (plastic, glass, wood, metal, stone).
- External sensor TC (0 ..+70 °C) or TZ (-40 ..+125 °C) for length of 0.11 m, 3 m, 6 m, 12 m.

Technical parameters		RFSTI-11/G
Supply voltage:	110-230 V AC / 50 - 60 Hz	
Apparent input:	7 VA / cos φ = 0.1	
Dissipated power:	0.7 W	
Supply voltage tolerance:	+10 %; -15 %	
Temperature measurement input:	1x internal NTC thermistor; 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:	8A / AC1	
Switching power:	2000VA / AC1; 240W / DC1	
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	
Manual control:	buttons	
Range in open space:	up to 160 m	
Other data		
Operating temperature:	-15 to + 50 °C	
Status indication:	blue, red LED	
Operating position:	vertical	
Mounting:	in an installation box	
Protection:	IP 20	
Overvoltage category:	III.	
Contamination degree:	2	
Cross-section of connecting cables (mm²):	max. 1x 2.5, max. 2x 1.5 / with a hollow max. 1x 2.5	
Dimensions:	84 x 89 x 42 mm	
Weight:	68 g	
Related standards:	EN 60669, EN 300 220, EN 301 489 R&TTE Directive, Order. No 426/2000 Coll. (Directive 1999/EC)	

Device description



Recommended external sensors

For more information see p. 62.

Connection

