

Technical parameters	RFTI-10B
Supply voltage:	1x 3 V CR 2477 battery
Battery life:	1 year
Transmission indication / function:	red LED
Temperature measurement:	1x internal NTC thermistor
	1x external TZ/TC temperature sensor input
Temp. measurement range	
and accuracy:	-20 to +50°C ; 0.5 °C in the range
Output	
Transmitter frequency:	866 MHz, 868 MHz, 916 MHz
Signal transmission method:	unidirectionally addressed message
Range in free space:	
	up to 160 m
Other data	
Operating temperature:	-10 to +50 °C
Operating position:	any
Mounting:	glued / free-standing
Protection:	IP30
Contamination degree:	2
Dimensions:	49 x 49 x 13 mm
Weight:	45 g
Related standards:	EN 60669, EN 300 220, EN 301 489 R&TTE Directive,
	Order. No 426/2000 Coll. (Directive 1999/EC)

- The temperature sensor measures the temperature by internal sensor, which it sends in regular intervals to the system unit. Option of connecting an external sensor to the terminals THERM.
- The temperature sensor can be used in one of two ways:
- For displaying the measured temperature (from a garage, balcony, cellar, garden) on the display of the system unit or in the application.
- For measuring temperature, which it sends to the system unit, which may control the heating circuit based on the set temperature program (electric underfloor heating, air conditioning, boiler, etc.).
- 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.
- Battery power (3 V / 1x CR 2477 included in supply) with battery life of around 1 year based on frequency of use.
- The temperature sensor can be placed anywhere thanks to battery power.
- 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 868 MHz with bidirectional protocol iNELS **RF** Control.
- 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.

Sensor location



in a box





in a pipe

in a tank

