## RFTI-20 | Temperature and humidity sensor

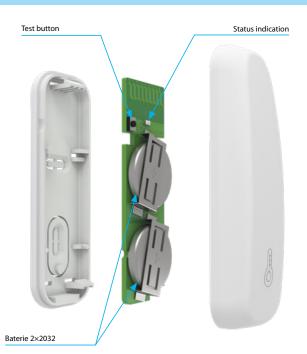


• With an integrated digital sensor, it measures temperature and humidity in the range of -10 to +50  $^\circ$ C and at regular intervals of 20 min. sends it to the system device (eLAN-RF, RF-Touch).

• In the event of a sudden change in temperature and humidity, it sends a signal within 1 min.

- (2x 3 V batteries CR 2032 included in the package) with a lifetime
- approx. 1 year (according to ambient temperature cycling).
- Range up to 160m (in open space), in case of insufficient signal between the controller and the device, use RFRP-20N signal repeater or devices with RFIO2 protocol that support this function.

## **Device description**



EAN code: RFTI-20: 8595188134019

| Technical parameters                  | RFTI-20  |
|---------------------------------------|--|
| Supply voltage:                       | 2x 3 V CR 2032 battery                               |
| Battery life:                         | up to 1 year, according to the number of activations |
| Transmission indication/function:     | red LED  |
| Temperature and humidity measurement: | integrated digital sensor                            |
| Temperature measurement               | -10 to +50 °C;                                       |
| range and accuracy:                   | 0.5 °C of range                                      |
| Humidity measurement                  | 0 to 90 %;   |
| range and accuracy:                   | ±3 % of range  |
| Output                                |  |
| Communication protocol:               | RFIO   |
| Frequency:                            | 866–922 MHz (see p.72)                               |
| Repeater function:                    | no   |
| Signal transmission:                  | unidirectional message                               |
| Range:                                | in open space up to 160 m                            |
| Other data                            |  |
| Operating temperature:                | -10 to +50 °C  |
| Working position:                     | any  |
| Mounting:                             | glue/screws/loose                                    |
| Protection:                           | IP30   |
| Contamination degree:                 | 2  |
| Dimensions:                           | 75 x 25 x 14 mm                                      |
| Weight:                               | 45 g   |
| Related standards:                    | EN 60730, EN 63044, EN 300 220, EN 301 489           |

**Temperature control**