FRIOLINK™

DATASHEET

TOPFLYtech T-sense

TOPFLYtech · Bluetooth temperature and door sensor

Status with Friolink: Field-tested

Sealed temperature sensor with magnetometer door detection: it reports instantly when a fridge or cold room is opened. It is picked up by Friolink Gateway or the KnightX 100.

Specifications

Radio / protocol	Bluetooth LE 5.1 · TFT Eddystone, Eddystone UID, Beacon [1]
Temperature	−30 a +80 °C [1]
Temperature accuracy	±0.2 °C · drift below 0.02 °C per year [1]
Door	Magnetometer, real-time status (enabled in configuration) [1]
Humidity	Not measured [1]
Battery	CR2477 · 1000 mAh · not replaceable [1]
Battery life	1,600 days at 10 s and 4 dBm · 1,100 days at 5 s and 4 dBm [1]
Reporting interval	10 s by default, configurable [1]
Range	200 m at 4 dBm · 400 m at 8 dBm [1]
Protection	IP67 [1]
Operating temperature	−30 a +80 °C [1]
Dimensions	59,9 × 40,0 × 14,6 mm [1]
Weight	23 g with battery [1]
Internal memory	15,000 records · over-the-air firmware updates [1]
Certifications (manufacturer)	Not published on the manufacturer's page [1]
Connection to Friolink	Friolink Gateway or KnightX 100 · field-tested [2]

With Friolink

- Door opening reported instantly; temperature at its own interval
- Door-opening tolerance in the alert rules
- Sensor battery on the device record

> Certifications (CE, FCC and others) are those declared by each device's manufacturer; Friolink does not certify third-party hardware. Technical data comes from the sources cited.

Sources

[1] TOPFLYtech, product page: https://www.topflytech.com/en/product-ble-t-sense-temp-door/

[2] Friolink compatible hardware list: Friolink Gateway (GATEWAY-COMPATIBILIDAD.md)

Names and trademarks belong to their owners; their mention indicates technical compatibility, not a commercial partnership. Revision of 28/10/2026.