

DATASHEET

S-2CONNECT® Companion

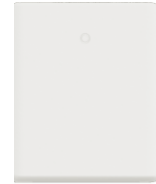
S-2CONNECT® Companion HT is an indoor environment monitoring device that are used together with the S-2Connect® Pro1 device. It periodically measures the temperature and humidity and reports the values to the Pro1 device.

S-2CONNECT® Companion HT is designed to use BLE Beacon technology, which offers extended indoor coverage and very long battery operation time. S-2CONNECT® Pro1/Companion solution provides a cost-effective solution for indoor environmental monitoring.

A COMPLETE SOLUTION FOR INTERNAL TEMPERATURE AND HUMIDITY MONITORING

With its discrete design, the S-2CONNECT Pro1/Companion is suitable for indoor environmental monitoring in:

- Apartments
- Schools
- Offices
- Hospitals
- Official
- Buildings



- Monitor temperature and humidity
- Long battery operation time
- Discrete design
- Quick & easy installation

Applications



Warehousing



Home automation



Environmental monitoring



Healthcare



Hospitality

S-2CONNECT® Companion

TECHNICAL SPECIFICATION

Communication	BLE 5 Radio BLE 5 Antenna	nRF52840 Internal
Frequency Bands	ISM 2.4 GHz	2.4 – 2.48 GHz
Electrical Properties	Battery Battery Life	2xAA Alkaline 10 years +25°C
Interface	Pushbutton LED	On/Off Control Green, Red and Blue
Sensor IC OEM Specification	Temperature Humidity	+5°C to +60°C Typical* Tolerance +/-0.2°C +5°C to +60°C Maximum* Tolerance +/-0.4°C Typical Long-Term Drift < +/-0.03°C/Year 20%RH to 80%RH Typical* Tolerance +/-2%RH 20%RH to 80%RH Maximum* Tolerance +/-3.5%RH Typical Long-Term Drift** < +/-0.2%RH/Year
Mechanical Properties	Enclosure Outer Dimensions Operating Temperature Recommended Storage Temperature*** Operating Humidity	IP30 82x68x22mm +5°C to +55°C +20°C to +25°C 20%RH to 80%RH
Software Properties	Operating System Firmware Protocols	Zephyr RTOS BLE Advertisements Ch 37, 38, 39
Installation	Wall mounting	Adhesive or Screw

* Tolerance values are valid for the IC manufacturers production test. Contamination due to VOCs and long-term drift are not included. Typical values are based on +/- 2 standard deviations of the IC manufacturers production test ie, 95% of the parts have less than 2%RH error.

** Assuming no exposure to contaminants and recommended operating conditions

*** Recommended storage temperature for maximising battery lifetime. Product can survive storage temperatures from -18°C to +55°C