

Intelligent Building Solutions

Technical Description



TS 10 STM **Temperature Sensor** Surface mounting

Accessory for
CIB-tech

The TS 10 STM is a temperature sensor that can be used with CIB-tech thermometers and thermostats. The TS 10 STM device is one of the available options for CIB-tech devices that come without a temperature sensor¹. It can also be used as an alternative external temperature sensor for CIB-tech devices that come with an internal temperature sensor².

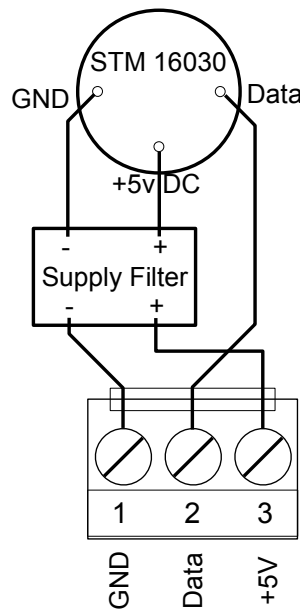
Technical Specifications

Electrical characteristics

- **Power supply (from CIB-tech device)**
 - Supply voltage: 5V DC
 - Maximum supply current: 25mA

- **Signal output**
 - PWM duty-cycle output, conform SMT16030 specifications³:
 - output voltage levels: 0 – 5V
 - output impedance: 330 Ohm

Equivalent electrical drawing:



Mechanical characteristics

- Dimensions: 58mm W x 42mm L x 24mm D
- Weight: 20g

Part description

- **Sensor:** **SMARTEC's** SMT16030 digital temperature sensor - do not cover;
- **Ventilation holes:** slots on the sides of the enclosure for air flow - do not cover;
- **Cable hole:** cable entry hole on the bottom of the device

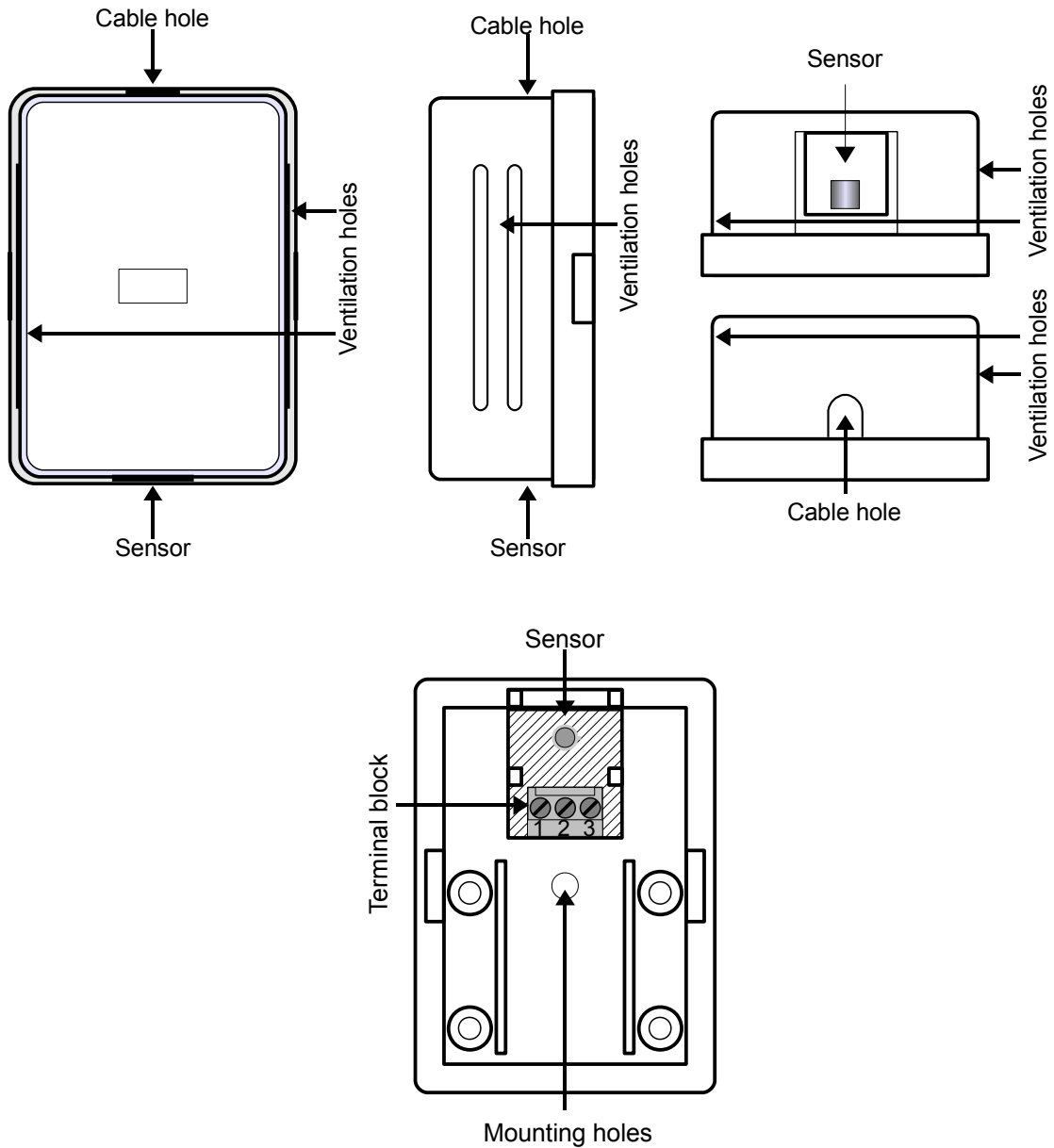
1 These are typically DIN-rail mounting CIB-tech thermometers and thermostats. Ex: CTM 2010 D, CTM 2020 D, CTM 2030 D, CTS 2010 D. Check IBS device list for other products.

2 These are typically surface mounting CIB-tech thermometers and thermostats. Ex: CTM 2010 S, CTS 2010 SRB, CTS 2020 SRB, CTS 2030 SRB. Check IBS device list for other products.

3 For details on SMARTEC's SMT16030 digital temperature sensor visit SMARTEC home page: <http://www.smartec.nl/>.

- **Terminal block:** terminals for connections to the CIB-tech thermometer or thermostat:
 1. Temperature sensor - GND
 2. Temperature sensor - Data
 3. Temperature sensor - +5V

Mechanical drawings



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Technical Support:
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