



TEMPERATURE AND HUMIDITY SENSOR - BATTERY-FREE - WIRELESS

Zigbee 3.0 Wireless Temperature and Humidity Sensor
with Energy Harvesting

REF : NO-STPH-4-1-01

EAN : 3700313925959

EXISTS IN : WHITE

DESCRIPTION :

This Temperature and Humidity Sensor requires no batteries (optional) to operate!

A Zigbee 3.0 compatible and certified product, this Temperature and Humidity Sensor generates its own energy via a solar cell and automatically transmits the temperature and humidity of your room to your Zigbee home automation Gateway.

STRENGTHS :

Harvesting directly its energy from ambient light, the Temperature & Humidity Sensor doesn't need any battery (and any wire) to operate.

- **Wireless & Maintenance-Free:** The NodOn Temperature and Humidity Sensor benefits from the flexibility of a wireless system, with no need for batteries or maintenance. It can be easily installed and removed using screws or sticky bands. Discreet: Mount it, and forget it.
- **Optional Battery Slot:** What if there is no ambient light in my cellar? No worries! The NodOn Temperature and Humidity Sensor is the only one on the market with an optional battery slot, making it perfect for use in dark areas.
- **Energy Saving:** Combined with a Zigbee heating solution, it can be used to monitor temperature variations and save energy.

CHARACTERISTICS :

Technical Specifications

- **Certifications and Standards:**

- RED 2014/53/EU
- EN 301489-1:V1.9.2



- EN 301489-3:V1.6.1
- EN 300328:V2.1.1
- EN 60950-1
- EN 61000-4-2:2009
- EN 61000-4-3
- EN 62368-1:2014+A11:2017
- EN 62479:2010

- **Radio Frequency:** 2.4GHz
- **Protocol:** Zigbee 3.0
- **Energy Harvesting:** Solar Panel
- **Battery (optional):** CR2032 (2/3 years)
- **Power Switch:** On/Off
- **Maximum Operate Altitude:** 2000m
- **Protection Rating:** IP20
- **Operational Temperature:** -5° to +45° C
- **Signal Range:** 30m indoor
- **Dimensions:** 34mm X 85mm X 15mm
- **Weight:** 30g
- **Warranty:** 2 Years

Note:

The STPH-4-1 is self-sufficient in energy using a solar cell (without the back-up battery) assuming that the product is exposed to 200 lux for 8 hours a day. Autonomy of 5 days in total darkness.

Data sent every 100s on variation of 0.5°C (Temperature) or +or- 3% (Relative Humidity) and by default every Hour (3600s).