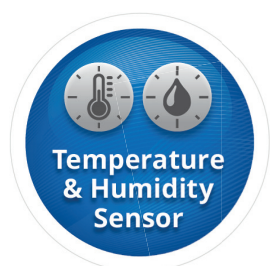


Mini Series Temperature and Humidity Sensor

Part No: MS.TEMP.HUM.[SLR]-[BAT].[868]-[902]-[928]

A fully wireless, compact sensor to measure ambient temperature and relative humidity. The Pressac Sensing Mini Series temperature and humidity sensor allows efficient monitoring and optimisation of indoor climates in buildings. The sensor provides true peel and stick deployment, comes in two variations requiring little to no maintenance and can be rapidly fitted at minimal cost.



Features and Benefits:

- Energy harvesting – powered by ambient light from the surrounding environment
- Battery variation, for robust operation in dark environments
- No wiring required – low cost of installation
- Fast installation time – minimal disruption for retro fits
- Optimal positioning – no wiring constraints

Functionality:

- Dynamically reports changes in temperature and humidity
- EnOcean® security capable
- Transmits data wirelessly using the EnOcean® protocol

Variations Available:

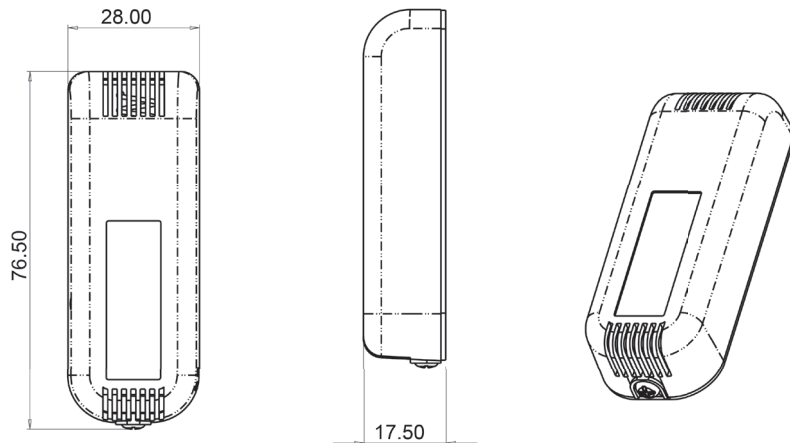
- Solar powered only
- Solar powered with battery back-up

Applications:

- Room level, climate monitoring
- HVAC optimisation
- Temperature and humidity detection
- Retrofit projects

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TECHNICAL SPECIFICATIONS

Measurement Range	Temperature 0°C to 40°C Humidity 0% R.H. to 100% R.H.
Accuracy	+/-0.5°C between 17°C and 27°C +/- 1°C between 0°C and 17°C +/- 1°C between 27°C and 40°C +/-5% R.H. Between 30% and 70% R.H. And 0-40°C
Operation Frequency	Available in 868.3MHz, 902MHz and 928.35MHz
Transmission Rate (Dynamic)	100 seconds if Temperature change > 0.5°C or Humidity change > 2% Else every 15 minutes
Battery Life* (Battery Back-up Variant Only)	Up to 10 Years
Power Source	Solar Panel Energy Harvesting Battery (Battery Backup Only)
Battery Type (Battery Back-up only)	CR2354
Maximum Power Output	3dBm
Repeater	No
Telegram	4BS
Environment	Indoor
Enclosure Material	PC-ABS
Calibration	Factory Calibrated
Operating Temperature Range	-20°C to +60°C
Storage Temperature Range	-20°C to +60°C
Dimensions	76.5mm x 28mm x 17.5mm approx
EEP	A5-04-01

*Typical life expectancy of the battery is dependent on ambient light conditions and use-case.



Pressac Sensing products incorporate EnOcean® wireless technology, and are fully compliant with EnOcean® protocols. The Pressac Sensing range can be integrated with EnOcean® products from over 300 global manufacturers.

EnOcean® is a widely established and global technology, and has been installed in over 250,000 buildings worldwide. The EnOcean® wireless standard is the first to be ratified as an international standard - ISO/IEC 14543-3-10; together with the EnOcean® Equipment Profiles (EEPs) drawn up by the EnOcean® Alliance, this international standard lays the foundation for fully interoperable, open wireless technology comparable to standards such as Bluetooth and WiFi. The standard can be downloaded from www.iso.org.



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