

Wireless door and window sensor

Know whether doors and windows are open or closed, in real time.

Our wireless door and window sensors automatically detect open doors or windows around your building, including doors on cupboards, cabinets and fridges. The small, solar-powered contact sensors use ultra-low power wireless technology, making them easy to install and very low maintenance. Optional battery back-up version available for low-light environments.

Features



Use magnetic fields to detect open/close status



Reports open/close changes in real time and status updates every 15 minutes



Solar-powered using ambient room light – optimally angled to absorb light – with a battery back-up for periodic low-light conditions. Batteries typically last up to 10 years

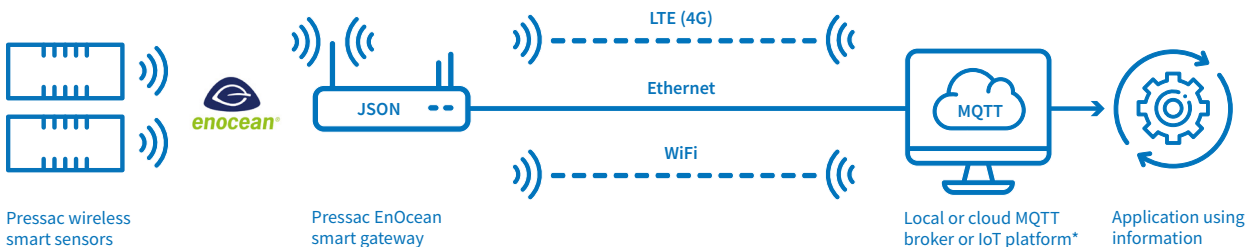


Transmits data via EnOcean wireless protocol: up to 30 metres in buildings and 300 metres in free field



Integrating sensor data

Our smart gateway receives near real-time data from all sensors within range, converts the raw data into an easy-to-use JSON format, then publishes it using MQTT protocol. Data can be sent - via Ethernet, LTE (4G) or WiFi – to any local or cloud MQTT broker; securely to IBM Watson IoT, Microsoft Azure IoT Hub or AWS IoT Core; directly into Google Sheets; or to a Node-RED application.



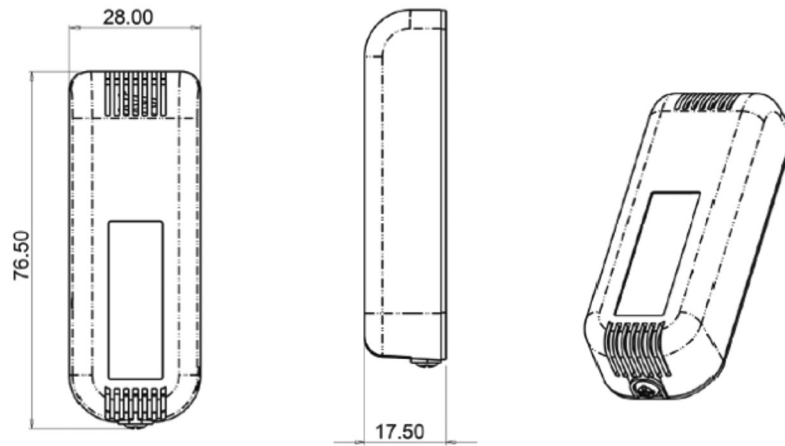
*Ready-made connections with:



IBM Watson IoT.



Technical specification



| | |
|-------------------------|--|
| Measurement | Transmission rate: reports open/close changes in real time and status updates every 15 minutes |
| Power specification | <p>Power:</p> <ul style="list-style-type: none"> solar – amorphous silicon solar cells battery back-up for low-light conditions <p>Battery type: CR2354</p> <p>Typical battery life: up to 10 years (dependent on ambient light conditions and use)</p> |
| Wireless specification | <p>Protocol: EnOcean</p> <p>Radio frequency:</p> <ul style="list-style-type: none"> 868 MHz for Europe and other countries adopting RED 902 MHz for USA (FCC specification) and Canada (IC specification) 928 MHz for Japan (ARIB specification) <p>Range: up to 30 metres in buildings and 300 metres in free field</p> <p>Telegram type: 1BS</p> <p>EnOcean Equipment Profile (EEP): D5-00-01</p> <p>Security: optional secure mode AES-128 encryption</p> <p>Interoperability: EnOcean certification 3.0</p> |
| Enclosure specification | <p>Material: PC-ABS plastic</p> <p>IP rating: IP2X</p> <p>Dimensions: 76.5 x 28 x 17.5 mm (approx)</p> <p>Magnet dimensions: 62 x 12 x 13 mm (approx)</p> |
| Installation | <p>Fixing: adhesive pads or screws provided</p> <p>Operating temperature: -20°C to +60°C</p> <p>Storage temperature: -20°C to +60°C</p> <p>Environment: indoor</p> |
| Compliance | CE approved, RoHS compliant, WEE directive compliant, FCC compliant |
| Part number | MS_DOOR_WIN_BAT_[868]-[902]-[928] |



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