

# Wireless dry contact sensors

## Get real-time alerts about the contact status of essential equipment.

Our wireless dry contact sensors monitor the status of any equipment that has a volt-free, dry contact output, such as UPS status, security systems, fire alarms or air conditioning units. The small, energy harvesting devices use ultra-low power wireless and battery-less technology, making them easy to install and very low maintenance.

### Features



Reports dry contact status changes in real time and status updates every 15 minutes



Connect to the device using push-wire connection of two wires



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

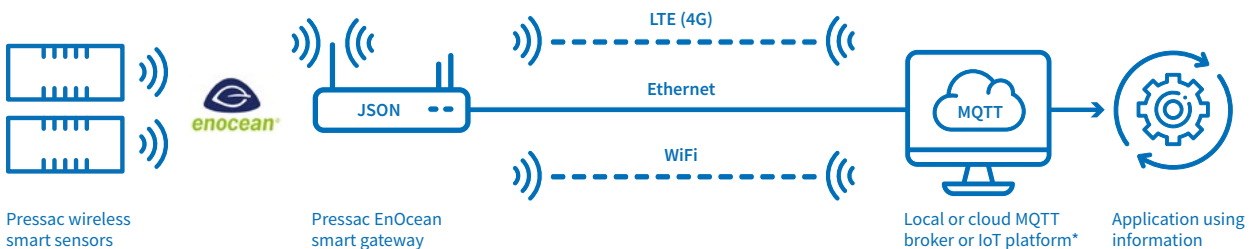


Transmits data via EnOcean wireless protocol: up to 30 metres in buildings and 300 metres in free field



## Integrating sensor data

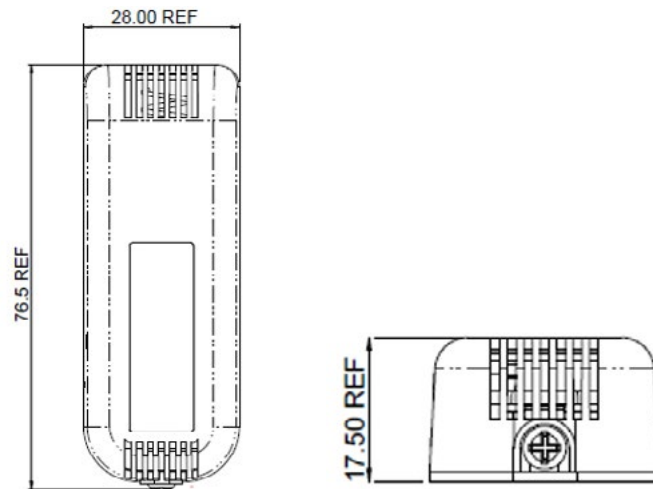
Our smart gateway receives near real-time data from all sensors within range, converts the raw data into an easy-to-use JSON format, then publishes it using MQTT protocol. Data can be sent - via Ethernet, LTE (4G) or WiFi – to any local or cloud MQTT broker; securely to IBM Watson IoT, Microsoft Azure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



\*Ready-made connections with:



## 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"> <li>solar – amorphous silicon solar cells</li> <li>battery option for low-light conditions</li> </ul> <p>Battery type: CR2354</p> <p>Typical battery life: up to 10 years (dependent on ambient light conditions and use)</p> <p>Sense current: 1uA</p>
Wireless specification	<p>Protocol: EnOcean</p> <p>Radio frequency:</p> <ul style="list-style-type: none"> <li>868 MHz for Europe and other countries adopting RED</li> <li>902 MHz for USA (FCC specification) and Canada (IC specification)</li> <li>928 MHz for Japan (ARIB specification)</li> </ul> <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>
Installation	<p>Push wire maximum gauge: 1.3 mm</p> <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, FCC compliant
Part number	MS_DRY_CON_SLR_[868]-[902]-[928]

