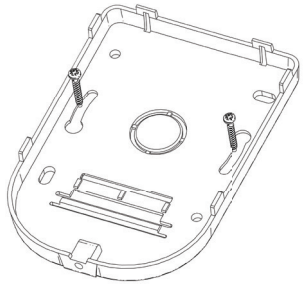
Product Installation

It is recommended the Pressac Sensing CO_2 Sensor is installed in an environment where:

1. The local CO_2 level is representative of the complete area being measured i.e. do not place the unit close to a frequently opened window or A/C unit.
2. A source of either natural or artificial light is available during the hours when the building is occupied (due to the unit being solar powered).

Installation of backplate

The Pressac Sensing CO_2 Sensor is designed to be wall mounted. For ease of installation it is supplied with a backplate that can be mounted on the wall prior to installation of the CO_2 Sensor itself.
The backplate can be wall mounted either using the screws and rawlplugs provided, or alternatively it can be mounted over an existing 'pattress' box using the appropriate machine screws. (not provided).



Installation of unit on backplate.

BEFORE FINALLY FIXING THE SENSOR ON THE BACKPLATE, ENSURE THE UNIT HAS BEEN SET UP AND COMMISSIONED AS PER THE PRODUCT OPERATION SECTION.

The CO_2 Sensor will latch onto the previously mounted backplate via the latches on the top of the unit.
Once latched, the securing screw at the bottom of the backplate can be tightened.

Learn More

For the complete product User Guide, data sheet, video tutorials and product support scan the QR code or visit:

www.pressac.com/pressac-sensing

206-000372

Pressac

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QUICK START GUIDE

PressacSensing

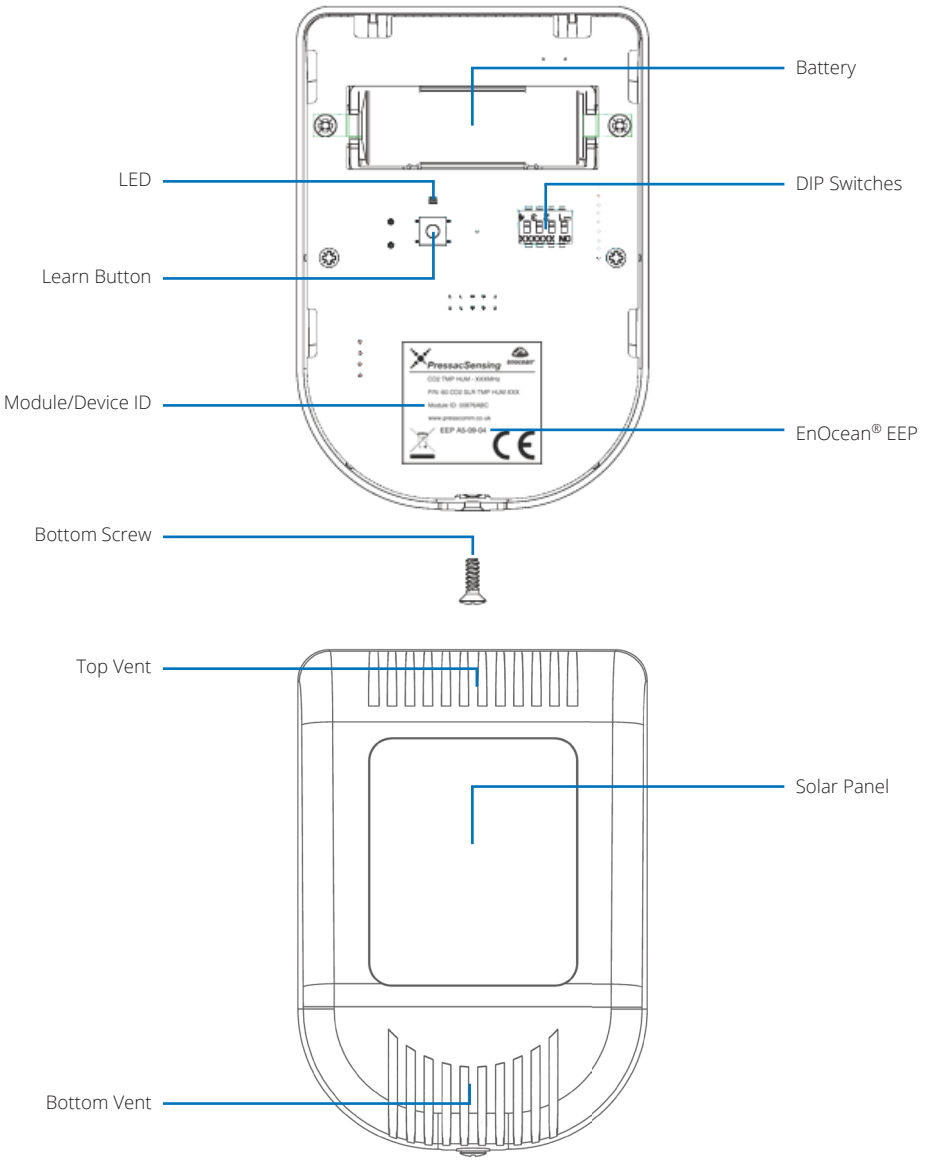
CO_2, Temperature and Humidity Sensor

EEP: A5-09-04 GUIDE VERSION 1.1

Product Description

The Pressac Sensing CO_2 Sensor is a fully wireless, solar powered room sensor, designed to measure and report levels of Carbon Dioxide, ambient temperature and relative humidity in an internal environment. During normal operation, the sensor is powered from ambient room light: in prolonged low light environments the security of battery back-up ensures continued operation for over 10* years of maintenance free operation. The sensor supports the open EnOcean® standard (ISO/IEC 14543-3-10) facilitating seamless connection with building management systems.

At a glance



Product Operation

1. Selection of Sampling Rate

This can be set by configuring DIP switch 1 as below.

Light Status	Energy Supply	Sampling	DIP Switch 1
Ambient light good	(Powered from solar)	Fixed (15 mins)	ON
Ambient light poor	(Powered from stored energy)	Fixed (15 mins)	ON
Ambient light poor	(Powered from battery)	Fixed (15 mins)	ON
Ambient light good	(Powered from solar)	Dynamic (5 mins)	OFF
Ambient light poor	(Powered from stored energy)	Dynamic (5 mins)	OFF
Ambient light poor	(Powered from battery)	Dynamic (15 mins)	OFF

2. Calibration

⚠ **CALIBRATION IS ESSENTIAL** To ensure accurate CO_2 reporting It is essential to perform a manual calibration prior to commissioning this sensor. See section 2 of Product Operation.

Manual Calibration

To recalibrate the default level of 500ppm, set DIP Switch 3 (manual calibration) and DIP switch 4 (battery backup) to ON and press the learn button for 5 seconds. The unit's LED will flash once per second for approximately 4 minutes. During this time, take the unit to an unoccupied environment (the ambient CO_2 level here should be approximately 500ppm). After the 4 minute period, the unit's LED will flash quickly for a further 2 minutes while the recalibration process takes place. Once the LED has stopped flashing the unit's base CO_2 level has been reset to 500PPM. Return DIP Switch 3 to the off position. Dip switch 4 can be left in the ON position if the battery backup function is required. Moving Dip switch 3 back to the OFF position during the procedure will abort the calibration process.

Operating Mode (Calibration)	DIP Switch 2	Dip Switch 3	Learn Button
Sensor auto calibrates every 8 days	ON	OFF	N/A
Sensor uses factory calibration level (500ppm)	OFF	OFF	N/A
Sensor uses recalibrated background level on completion	OFF	ON	Pressed

3. Connection of battery

Battery	Unit Status	Dip Switch 4
Not connected	Solar powered only	OFF
Connected	Solar + battery powered	ON

4. Commissioning

There are 2 ways in which the unit can be commissioned.

Automatic Registration.

To commission the unit, depress and release the "Learn" button. The LED will blink once. The unit now transmits a learn telegram.

Manual registration.

Alternatively, the unit can be commissioned onto your EnOcean® network manually. To do this you will need the unique EnOcean® ID of the Pressac Sensing CO_2 Sensor and also its EnOcean® Equipment Profile. The EnOcean® ID and the EEP are printed on the product label on the Pressac Sensing CO_2 Sensor.