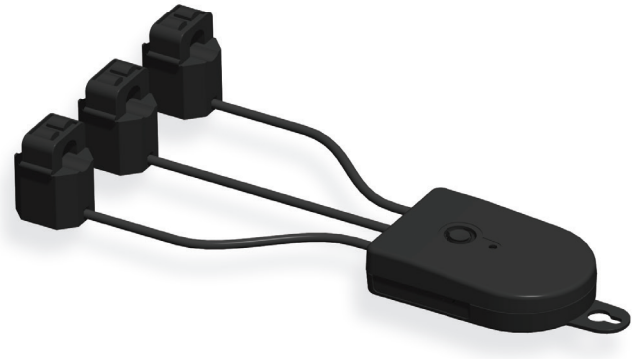
QUICK START GUIDE

PressacSensing

CT Clamp Version 3



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

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GUIDE VERSION 1.0

EEPS: D2-32-00 - D2-32-02

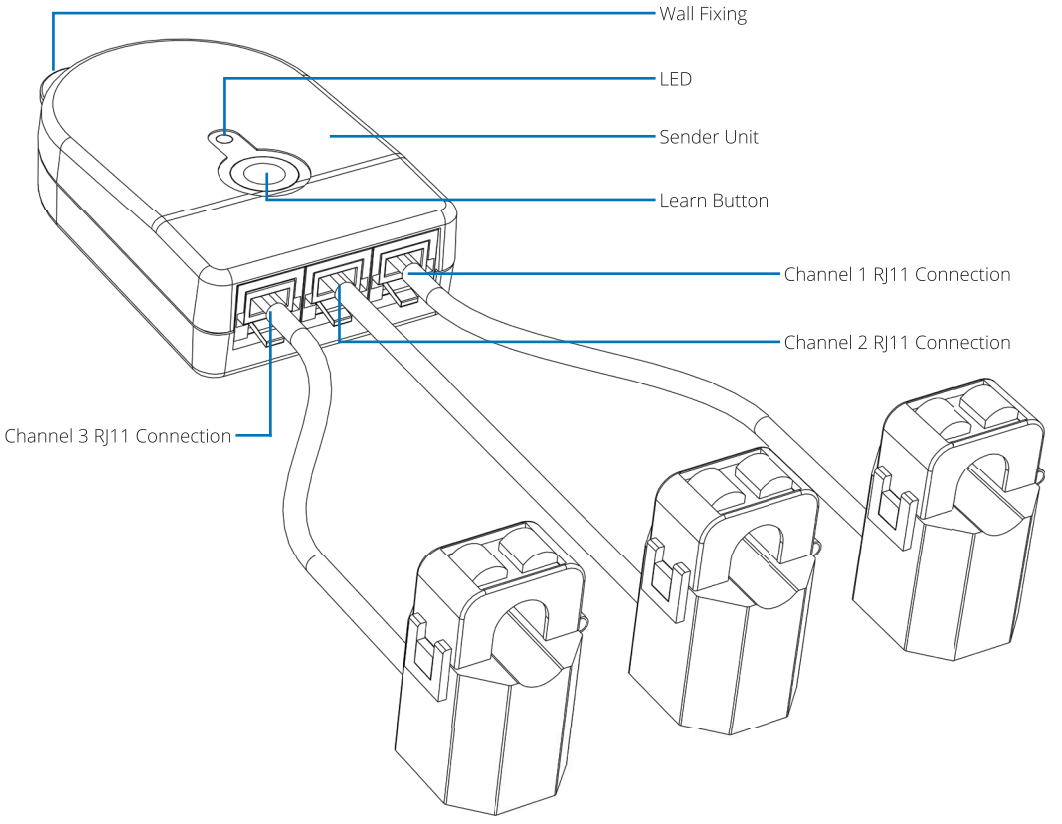
Product Description

The Pressac Sensing version 3 CT Clamp comes in 1 channel and 3 channel variations designed to measure and report the AC current flowing in all connected channels. Powered from any of the measured conductors, the measured current in all connected CT Clamp channels is reported every 30 seconds. The Pressac Sensing version 3 CT Clamp is easily installed with minimal disturbance to the measured conductors.

Product Variations

V3 CT Clamp Types	Measurement Ranges	Frequency	EEP
1 Channel	1A-60A, 2A-200A and 2A-600A	868MHz 902MHz 928MHz	D2-32-00
3 Channel	1A-60A, 2A-200A and 2A-600A	868MHz 902MHz 928MHz	D2-32-02

At A Glance

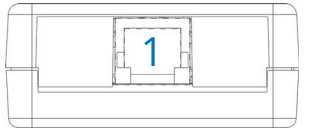


Product Operation

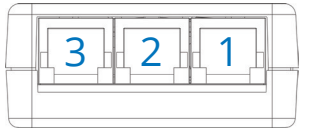
⚠ Please ensure fitting of the CT Clamp is done by a qualified electrical professional and mains supply is isolated prior to any installation.

Pressac Sensing version 3 CT Clamp RJ11 leads must be securely connected to the sender units RJ11 sockets. Channel numbers are printed on the product label on the Pressac Sensing version 3 sender unit.

1 Channel V3 CT Clamp



3 Channel V3 CT Clamp



The Pressac Sensing version 3 CT Clamp needs to be commissioned before use. There are 2 ways in which the unit can be commissioned.

1. Self-powered learn

As the unit is 100% energy harvesting, it can only perform a self-powered learn if it is clipped around a conductor and the minimum required current is flowing (see below table).

Measurement Ranges	Frequency	Minimum Current
1A-60A	868MHz 902MHz 928MHz	1A Flowing
2A-200A	868MHz 902MHz 928MHz	2A Flowing
2A-600A	868MHz 902MHz 928MHz	2A Flowing

Clip the CT Clamp around the conductor and wait for a period of 30 seconds. Depress the learn button which is on the sender unit. The LED should briefly flash. The version 3 CT Clamp has now sent a learn telegram.

2. 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 3 Channel CT Clamp and also it's EnOcean® Equipment Profile (EEP). The EnOcean® ID and the EnOcean Equipment Profile (EEP) are printed on the product label on the Pressac Sensing version 3 CT Clamp.

To be able to measure the current flowing within the single conductor, the Pressac Sensing version 3 CT Clamp must be correctly clipped around the single conductor, ensuring that the ferrite cores within the clamp reliably and consistently touch each other. In permanent installations, the unit can be cable tied to the conductor for added security.

3. Reporting

Once installed and commissioned, the value of electric current is transmitted every 30 seconds. If a current lower than the minimum current required (see above table) is flowing, the Pressac Sensing version 3 CT Clamp will not report any information or transmit any EnOcean® telegrams.