

# IN-SITE INTELLIGENT POWER SYSTEM MONITORING

# Quick Start Installation Guide - Low Voltage Package



WARNING-Death, serious injury, or fire hazard could result from improper connection or operation of this instrument.

Read and understand this manual before connecting the device.

If this equipment is not used in a manner specified by the manufacturer, the protection provided by the equipment may be impaired. Installation, service, and maintenance of your In-Site device must be performed by a licensed electrician in compliance with all applicable national and local codes and regulations. ©2008–2020 Power Standards Ltd. All rights reserved. No part of this document may be copied, reproduced, or translated into another language without the prior written consent of Power Sensors Ltd. "PQube®" is a registered trademark of Power Standards Lab. Power Survey and Power Standards Lab (DBA) Powerside

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## Unpack the box and check the components.

- Remove all protective tape and film.
- Ensure you have all components as show below.
- If parts are missing or broken, contact Technical Support.

#### What's included

(1) In-Site gateway

(3) 36" Rogowski Coils

(1) 48" Rogowski Coils







(1) Antenna Bracket

(2) Antenna Cables (50 ft.)

(2) Antennas







## Safety

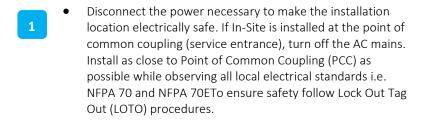
- Installation should only be performed by an electrician professionally qualified for the specific equipment where the In-Site gateway will be installed.
- Follow all safety practices prescribed in local electrical code and professional best practices
- Follow all OSHA electrical safety guidelines as it related to work practices and personal protection equipment for work with lethal voltages

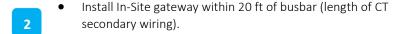
### Required materials

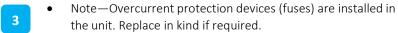
- 4 ea. of either #10 to #1/4 screws
- Powerside Commissioning App downloaded from the Apple or Google Play Store.
- Login credentials provided by Powerside. Contact Powerside Technical Support.



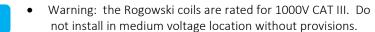
#### Installation







voltage measurement lines: ATDR2 – 600Vac Class CC
 2A Time Delay 200kA



- Connect the Rogowski coil secondary wires for I1 I4 to terminals 1 — 12 per Figure 1 (below).
- Phases are color coded.





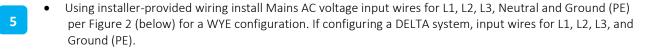
Enclosure Dimensions: 15.45" x 9.86" x 4.34. Overall (including mounting flange and antenna): 22.82" x 11.50 x 4.34"

Pay special attention to the position of the Rogowski coil when wrapped around the conductor.

# FCT-XX-3000A Flexible Current Sensor Installing Split Core CTs with 0.333V secondary



The arrow must face the source



• Install the antenna to connectors on the exterior of enclosure and check the cellular reception. If the cellular reception is weak, install the antennas in a better location using the provided cables and mounting bracket.



All our energy, in your power In-site Gateway Terminal Block Field Wiring Terminal Block Wiring: 1. Depress orange squares on terminal blocks one at a time and insert wires into each hole. 2. Release orange squares and check the connections by gently pulling on each wire. Powering the Device: Once the device is installed, turn on the mains.
 The device will self-power from the mains supply. Fuse / Fuse Holder Ratings: 1. Fuse holder ratings: Max 600VAC/DC, Max 30A, SCCR: 200kA. 2. Fuse ratings: 2A, 600VAC, 200kA IR AC, Time Delay, Class CC. IMPORTANT: Install in accordance with local Voltage Inputs (100~600Vac) electrical code and regulations Measurement Category CAT III, 50/60Hz, Max 30V **Current Inputs** P @ W E R S I D E Class 1 wiring

Figure 1

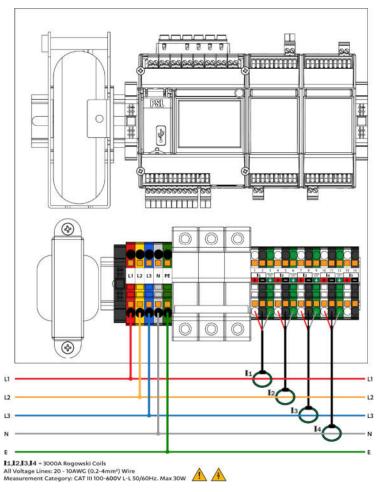
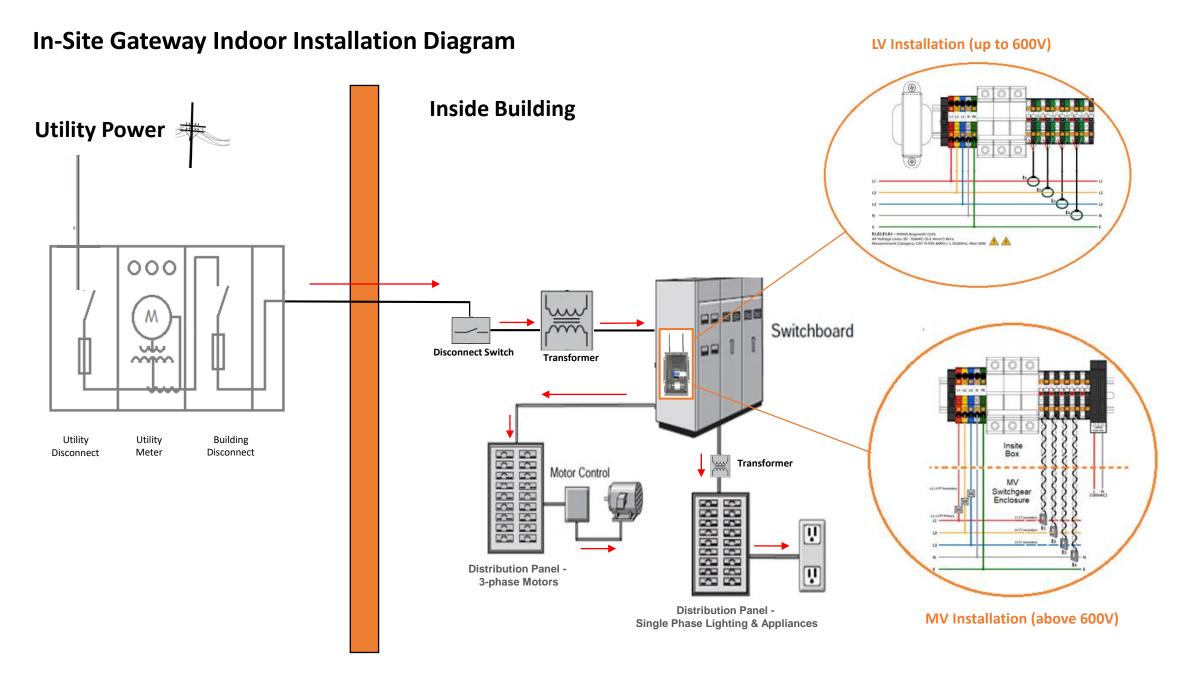


Figure 2



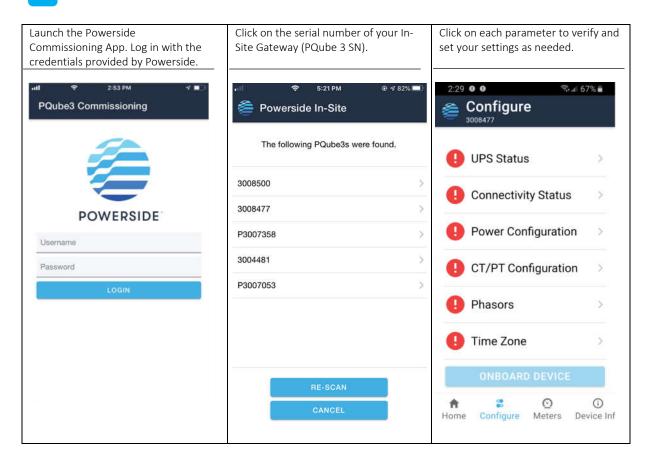




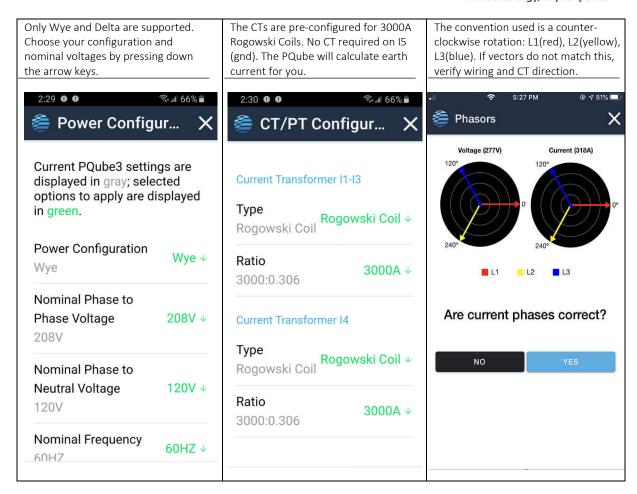
• While observing all appropriate safety requirement, return power to the affected systems. The In-Site gateway will automatically power up and is awaiting commissioning. After 3~5 minutes a green LED will indicate successful initialization. If the unit does not power-up check the wiring. If the problem persists, contact Technical Support.



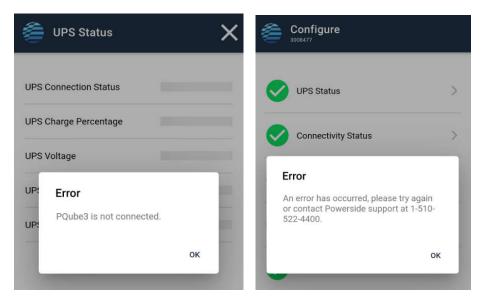
• Activate the In-Site gateway using the Powerside Commissioning In-Site phone App. Commissioning takes approximately 15~20 minutes.



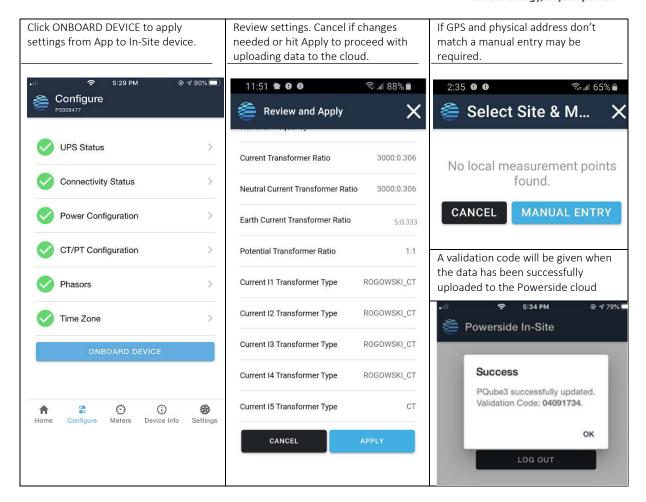




Tips: If you get the errors below, move your phone closer to the device, hit OK to try again or contact Powerside support.







- Before leaving the site, contact Powerside technical support (US (888) 736-4347 | Canada (877) 333-8392) to validate data is sent to the cloud.
- Your In-Site gateway installation and configuration is now complete. Allow up to 72 hours for your "Measurement Point" to go live on In-Site.

Please contact <a href="mailto:ln-Site.support@powerside.com">ln-Site.support@powerside.com</a> for assistance or further information on our product.

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