

### Current Sense 2

Current Sense 2 is an easy-to-install solution for measuring 50 or 60 Hz AC current. Measuring current allows you to monitor the operation of AC-powered equipment. A jumper allows you to select a range of 10, 20, or 50 A.

Current Sense 2 has two split-core transformers to monitor two different loads. Connect the outputs on the transformers to an Input Module (model IN-4) in your AutoFlex Connect. You can then program AutoFlex Connect to detect and alarm on current overload conditions.

#### Features

- Two split-core current transformers
- Jumper-selectable range (10/20/50 A)
- NEMA 4X enclosure (corrosion resistant, water resistant, and fire retardant)
- CE and UL listed components
- Limited warranty (90 days)

#### Electrical ratings

- |                      |               |
|----------------------|---------------|
| • Output             | 0 to 5 VDC    |
| • Power requirements | Self-powered  |
| • Temperature        | -22 to 158 °F |
| • Humidity           | 0 to 95%      |
| • Isolation voltage  | 2000 V        |
| • Frequency          | 10 to 400 Hz  |



### Installation



- ◇ Phason controls must be installed by a qualified electrician.
- ◇ Install Phason controls, and all equipment connected to them according to local electrical codes.



- ◇ Mount the enclosure on a sheltered, vertical surface, with the electrical knockouts facing down.
- ◇ Use a screwdriver to tighten the screws in the enclosures. Do not use a drill or overtighten the screws; this can crack the enclosure and ruin the watertight seal.
- ◇ Use the electrical knockouts to bring wires or cables into the enclosure. Use watertight strain reliefs or conduit connectors at all cable-entry points.
- ◇ Do not make additional holes in the enclosure; this can damage the watertight seal or control components and void the warranty.



- ◇ Use shielded twisted pair (STP) cable that has a drain wire to connect the transformers to the Input Modules.

1. Place the shunt on the correct pins of the transformer for the current range you will be using.
2. Place the four shunts on the pins of the Input Module as shown in the drawing.
3. Connect the wiring from the transformer to the Input Module as shown in the drawing.
4. Connect the drain wire to a ground connection on the AutoFlex Connect mounting board.

