**Hazard of Electrical Shock, Explosion, or Fire are Present**

- Two-pole power-supply grounding is required for all equipment supplied by a three-phase system.
- Follow local electrical requirements, and any applicable local electrical inspection requirements.
- The equipment must be marked and tested by a qualified electrical personnel.
- Read and understand this instruction book, before installing this product.
- Blocks may not be within voltage tolerance zones, or be outside of fuse ratings.

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**CAUTION**

This product is not intended for use as safety applications. Unintended use of this equipment could result in serious injury or death. Use after installation detailed in this guide is the responsibility of the end user.

The installer is responsible for conformance to all applicable codes.

- Do not install this product in hazardous or classified locations.
- This product is not intended for life or safety applications.

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**Specifications**

- **Measurement Accuracy**:
  - True RMS: 0.3% + 0.0015
- **Rated In:**
  - AC Voltage: 120 and 230 V
  - AC Current: 10 A
- **Inputs**:
  - AC Voltage: 120, 230, 480 V
  - AC Current: 10 A
- **Current Characterization**:
  - Calibrated: CAT II 50/60 Hz
  - Measured: CAT III 50/60 Hz
- **Measurement Input Range**:
  - AC input: ± (500 V or ± 50 A)

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**Environmental Conditions**

- **Altitude**
  - Maximum: 3000 m
  - Minimum: -50°C to 70°C
- **Relative Humidity**
  - Maximum: 95% at 40°C
- **Operating Temperature**
  - Maximum: 105°C
- **Input Block Screw Torque**
  - 0.37 ft·lb (0.5 N·m) nominal/0.44 ft-lb (0.6 N·m) max.
- **Withstand**
  - Per UL 508, EN61010

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**Input Characteristics**

- **Input Impedance**:
  - AC Voltage: 10 kΩ
- **Input Resistance**:
  - AC Voltage: 10 MΩ

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**Product Identification**

Series 4000-R

Unidirectional metering, Modbus full data set, pulse and alarm outputs. For use only with E50C2A.

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**Product Diagram**

[Diagram of Product Diagram]

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**NOTICE**

3-character menu of display text.
Top new alarm output. Bottom new output only.

The red alert (LED) lights when any of the 0-30 Vdc voltage drops below the selected threshold.

The green (LED) lights when the energy pulse output contacts are closed.
Select over-current protection with a time delay.

Select current interrupt capacity based on the installation category and fault current capability.

Use a voltage rating sufficient for the input voltage applied.

When tightening terminals, apply the correct torque:

- Use System Type 31 (3L)
- Use System Type 340 (3L + 1n)
- Use System Type 56 (3L + 2n)
- Use System Type 40 (3L + 1n)

Connect Shield to Earth Ground somewhere on the RS-485 bus (only at one point).

The terminal’s voltage and current ratings are compliant with the requirements of the EIA RS-485 China RoHS Compliance Information (EFUP Table)

Use 14-24 gauge (2.1-0.2 mm²) wire.

The RS-485 slave port allows the power meter to be connected in a daisy chain with up to 63 2-wire devices. In communications standard.

Failure to follow these instructions may cause injury, death or equipment damage.

RISK OF ELECTRIC SHOCK OR PERMANENT EQUIPMENT DAMAGE

CT negative terminals are referenced to the meter’s neutral and may be at elevated voltages.

Connect the CT output leads to the meter inputs.

Use 14-24 gauge wire.

Press + to move through the digits. Use the – buttons to enter your password (the default is 00000).

After you set the parameters you want, use to select the parameter screen you want to set.

Press + to select the next Setup screen or – to exit the Setup screen (return to next input screen).

Initial Setup Instructions

Use this section to enter:
- Maximum communication parameters
- CT (Current Transformer) input current ranges
- The service type to be monitored

These instructions assume the meter is not in factory default. If it has been previously configured, all optional values should be checked. For more options e.g., automatic transformer ratings, etc. see the full setup instructions, use the full installation guide for the specific model at leviton.com

A. To navigate the Setup screens:

1. Press + repeatedly until “Setup” screen appears.
2. Press + to navigate the “Par” screen.
3. Press + to move through the digits. Use the – buttons to enter your password (the default is 00000).
4. Press + to select the next Setup screen (– to exit).
5. Use + to select the parameter screens you want to set.
6. After entering the parameters you want, use – to select the next Setup screen or + to exit the Setup screens (return to “Setup”).

B. To enter Wilde communications parameters:

1. Navigate to the “Set Communication” Setup screen (see section A above).
2. Press + to go to the “Set Communication” Setup screen.
3. Press + to select the basic baud rate (default is 9600).
4. Press + to go to the “Set Address” Setup screen (default is 1).
5. Press + to select the parity (default is None).

C. To select the CT size in amps:

1. Navigate to the “Set Communication” Setup screen (see section A above).
2. Press + to go to the “Set Communication” Setup screen.
3. Press + to navigate through the digits.
4. Use the – buttons to select the desired CT size.

D. To enter the CT (Current Transformer) input current ranges:

1. Navigate to the “Set Communication” Setup screen (see section A above).
2. Press + to navigate through the digits.
3. Use the – buttons to select the desired CT size.
4. Press + to select the next Setup screen (– to exit).

E. To enter the service type to be monitored:

1. Navigate to the “Set Communication” Setup screen (see section A above).
2. Press + to go to the “Set Communication” Setup screen (default is 1).
3. Press + to select the next Setup screen (– to exit).