Quick Install Guide ZVIN06-SA 07-16

Page 4

Voltage Connections

2L

Phase Loss

ID A,

Diagram

Page 7

Specifications

- Product Power Source: 100 to 240VAC 50/60Hz
- Measured Range: 0 to 250VAC
- Impedance:
  - Minimum 0.1%
  - Maximum 300%
- Resolution: 0.1V
- Operating Temperature: -40°C to 70°C
- Storage Temperature: -40°C to 85°C
- Humidity: 0% to 95%
- Altitude: Up to 2000 meters
- Frequency Range: 45 to 65 Hz
- Power Supplies...
- Accuracy:
  - Measurement Range: 0 to 0.333VAC or 0 to 1.0VAC
  - Input Range: 0 to 0.333VAC or 0 to 1.0VAC
- Current Characteristics:
  - Continuous DC Power Supply: 20VA max.; 90V min.
  - Maximum: 600V
- Input Maximums:
  - 1.5 MΩ max., 10MΩ min.
  - Electrical Decoupling: 10ESD (8kV-Bi-Directional)
  - Surge Protection:
    - CAT 3 for distribution systems up to 100V
    - CAT 4B for distribution systems up to 500V
- Agency Approval:
  - UL: 90V L-N - 600V L-L
  - CE: 90V L-N - 300V L-N

Product Identification

Series 4000-K

Dimensions

Product Diagram

HAZARD OF ELECTRIC SHOCK... Pressing the screw mount... The meter will not function... Provide the disconnect device... Provide the disconnect device... The disconnect device should meet the relevant requirements... The color-coding of... The meter is designed to operate... The meter has a number of... The meter can be mounted... The meter is designed to operate... The meter is designed to operate... Additional Resources:

For a copy of the full installation... To order this product, visit... To avoid distortion, use parallel wires... The wiring method... The installation... This device may not cause... This device may not cause... This device may not cause... This device may not cause... For a copy of the full installation... For a copy of the full installation...
For RS-485 communications:

- Do not connect or short other circuits to the CT terminals.
- The CT negative terminals are referenced to the meter's neutral and may be at elevated voltages.
- Do not connect shield to Earth Ground somewhere on the RS-485 bus (only at one point).

Initial Setup Instructions

Use this section to enter:
- The service type to be monitored
- CT (Current Transducer) output voltage and input current ranges
- Modbus communication parameters

Use this section to enter:
- The series number (X=1-3) and units (X=1-3)

RS-485 Communications

Out-of-box wiring diagrams for the Power Meter

For all Series 4000 models:

- When tightening terminals, apply the correct torque: 0.37-0.44 ft∙lb (0.5-0.6 N∙m).
- Use 14-24 gauge (1.2-2 mm2) wire.

Display Screen Diagram

B. To enter Modbus communication parameters:

1. Navigate to the Setup (Set Communication) Setup screen (see section A above).
2. Press + to go to the Setup (Set Communication) Setup screens (see section A above).
3. Navigate to the baud rate (default is 9600).
4. Press to select the baud rate (default is 9600).

C. To enter the CT (Current Transformer) output voltage and input current ranges:

1. Navigate to the Setup screens (see section A above).
2. Press to select the voltage range (default is 0-400 V).
3. Press to select the current range (default is 0-1000 A).
4. Press to set the range for the voltage range (default is 0-400 V).
5. Press to set the range for the current range (default is 0-1000 A).

China RoHS Compliance Information

For technical support, contact Leviton at 800-959-6004, or via email at lestechnicalsupport@leviton.com

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