Mini Meter™ in Surface Mount Enclosure with Wireless AMR Option
Installation Manual
Cat No. MMSMT, 6PSMT
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1 WARNINGS AND CAUTIONS

The following section contains installation and wiring instructions for the Leviton Mini Meter in indoor Surface Mount enclosure. If technical assistance is required at any point during the installation, contact information can be found at the end of this manual. Leviton is not responsible for damage to the meter caused by incorrect wiring, which will void the product’s warranty.

**WARNING:**

- **TO AVOID FIRE, SHOCK OR DEATH; TURN OFF POWER** at circuit breaker or fuse and test that the power is off before installing product or servicing current transformers.
- **TO AVOID FIRE, SHOCK OR DEATH;** Look inside the meter and electrical panel for possible exposed wire, broken wire, damaged components or loose connections.
- Make sure all tools used during installation have proper installation ratings.
- Installations should be done in accordance with local codes and current National Electric Code requirements, and performed by trained, qualified professionals.
- Equipment used in a manner not specified by this document impairs the protection provided by the equipment.

**CAUTIONS:**

- Verify the model number and electrical specifications of the device being installed to confirm they are appropriate for the intended electrical service (see Section 3).
- Consult local codes for any possible permits or inspections required before beginning electrical work.
- Like repeaters, MDTs should not be mounted inside a metal box or near a metal wall (i.e. heating furnace or electrical panel). Consult the Tehama QuickStart Guide, which can be downloaded from the manufacturers website.
- MDTs must be mounted using velcro, tie-wraps, or screws. Don’t let the MDT dangle by the pulse input wire.
- Avoid locations with dampness, high humidity, or an abundance of mold.
- Ensure the conduit for the installation is flexible and non-metallic. For outdoor applications conduit and conduit fittings must be rated UL Type 4X for outdoor enclosures. Failure to use the appropriate conduit impairs the degree of equipment protection.
2 PRODUCT DESCRIPTION

2.1 General Description
The Leviton Mini Meter is a self-powered, current transformer (CT) rated electronic kilowatt-hour (kWh) meter designed for permanent connection to an electrical service. This guide is for use with the dual element (1PH 120/240V or 2PH 120/208V, 3-Wire) Mini Meter in a surface mount enclosure.

2.2 Meter Features
• Exceeds Revenue-grade accuracy
• Built in LCD display
• Multiple load monitoring with a single meter
• Isolated Pulse outputs
• Tamper Micro Switch
• Optional wireless AMR enabled
• 5-year warranty

2.3 Meter Certifications
• UL Approved (100A & 200A models only) for use in the US or Canada
• Conforms to accuracy requirements set forth in ANSI C12.1 and C12.16
• Certified to California Division of Measurement Standards
• Approved by the California Energy Commission for use in the California Solar Initiative’s Performance Based Incentive Program
• Approved by State of Maryland Public Service Commission in accordance with applicable ANSI C12.1 requirements

2.4 Model Numbers

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>6PSMT-C02</td>
<td>Surface Mount Mini Meter™ Kit, LCD Display, Isolated Pulse Outputs</td>
</tr>
<tr>
<td>MMSMT-C02</td>
<td>Surface Mount Mini Meter™ Kit, LCD Display, Isolated Pulse Outputs, TOU enabled kWh Meter Data Transceiver</td>
</tr>
<tr>
<td>MMSMT-D02</td>
<td>Surface Mount Mini Meter™ Kit, LCD Display, Isolated Pulse Outputs, TOU and Temperature enabled kWh Meter Data Transceiver</td>
</tr>
<tr>
<td>MMSMT-E02</td>
<td>Surface Mount Mini Meter™ Kit, LCD Display, Isolated Pulse Outputs, TOU and 1% Delta Temperature enabled kWh Meter Data Transceiver</td>
</tr>
</tbody>
</table>

Table 1 - Mini Meter Kit Models & Options
2 PRODUCT DESCRIPTION

2.5 Physical Description

2.5.1 Mini Meter in Surface Mount Enclosure

Figure 1 - Mini Meter Surface mount enclosure dimensions

2.5.2 Tamper Protection

Two flat-head screws that secure the enclosure front may be covered with adhesive-type security seals that indicate tampering when removed. Also, some models provide a tamper indication through the wireless AMR system when enclosure cover is removed.

2.6 Functional Description

The 6PSMT and MMSMT versions of the Mini Meter accurately quantifies electrical energy usage of 1PH 3W (2-pole) 120/208V or 120/240V loads. Solid Core Current Transformers are used to measure current flowing to a load. Energy information (pulses) is recorded by the onboard wireless transceiver, which time stamps kWh readings in 15-minute intervals and sends it over a secure wireless network to a Data Concentrating Access Point (DCAP), where data from a network of meters is stored for on a local computer for billing or energy management functions, or data can be pushed from the DCAP or pulled from remote locations via an ethernet connection.
3 TECHNICAL SPECIFICATIONS

3.1 Electrical and Environmental Specifications

The Mini Meter device falls under UL Circuit Category III: devices for measurements performed in the building installation. The electrical and environmental specifications for Mini Meter devices are given in the table below.

<table>
<thead>
<tr>
<th>Input Configurations</th>
<th>1 Phase, 2 wire</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 or 2 Phase, 3 wire</td>
<td></td>
</tr>
<tr>
<td>Supply Voltage Range</td>
<td>Min. 102 VAC Max. 138 VAC</td>
</tr>
<tr>
<td>(L1 or L2 to Neutral)</td>
<td></td>
</tr>
<tr>
<td>Maximum Input Power</td>
<td>8 VA</td>
</tr>
<tr>
<td>Maximum Rated Current(^1)</td>
<td>220 A primary for 200 A models</td>
</tr>
<tr>
<td>110 A primary for 100 A models</td>
<td></td>
</tr>
<tr>
<td>0.11 A secondary for 0.1 A secondary models</td>
<td></td>
</tr>
<tr>
<td>0.22 A secondary for 0.2 A secondary models</td>
<td></td>
</tr>
<tr>
<td>Line Frequency</td>
<td>50-60 Hz</td>
</tr>
<tr>
<td>Power Factor Range</td>
<td>0.5 to 1.0, leading or lagging</td>
</tr>
<tr>
<td>Accuracy</td>
<td>+/- 0.5% of registration @ 1.0pf, 2 to 200 A</td>
</tr>
<tr>
<td>2 to 200 A</td>
<td>+/- 0.75% of registration @ 0.5pf, 2 to 200 A</td>
</tr>
<tr>
<td>Operating Temperature Range</td>
<td>-30 to +70 degrees C</td>
</tr>
<tr>
<td>Rated Pollution Degree(^2)</td>
<td>2</td>
</tr>
<tr>
<td>Rated Relative Humidity</td>
<td>80%</td>
</tr>
<tr>
<td>Branch Fuse Holder</td>
<td>250 V, 1 A, fast acting, short time lag</td>
</tr>
<tr>
<td>Klemsan ASK2 or equiv.</td>
<td></td>
</tr>
<tr>
<td>Terminal Blocks Mini Meter</td>
<td>Dinkle/International Connector</td>
</tr>
<tr>
<td>Dinkle/International Connector</td>
<td>OSTVI110152</td>
</tr>
<tr>
<td></td>
<td>4.4 in-lb of torque maximum</td>
</tr>
</tbody>
</table>

Table 2 - Electrical and Environmental Specifications

\(^1\) Product approved for use with included Leviton Current Transformers, as follows:
- **200A**: Part Numbers CDA02-K12 (Black) and CDA02-R12 (Red)

\(^2\) Pollution Degree 2: normally only non-conductive pollution occurs. Occasionally, however, a temporary conductivity caused by condensation can happen.
3 TECHNICAL SPECIFICATIONS

3.2 Input/Output Connections and User Display

Figure 2 - Mini Meter Connections and Display

Table 2A - Input Connections

<table>
<thead>
<tr>
<th>Voltage Inputs (wire connections)</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>L1</td>
<td>Black wire, voltage input, Line 1, 120 V with respect to neutral</td>
</tr>
<tr>
<td>N</td>
<td>White wire, Neutral input</td>
</tr>
<tr>
<td>L2</td>
<td>Red wire, voltage input, Line 2, 120 V with respect to neutral (2 phase models only)</td>
</tr>
</tbody>
</table>

CT Inputs

<table>
<thead>
<tr>
<th>CT Inputs</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CT1 : X1</td>
<td>Current Transformer input, CT1. Colored wire of CT 1</td>
</tr>
<tr>
<td>CT1 : X2</td>
<td>Current Transformer input, CT1. White wire of CT1</td>
</tr>
<tr>
<td>CT2 : X1</td>
<td>Current Transformer input, CT2. Colored wire of CT 2. (2 phase models only)</td>
</tr>
<tr>
<td>CT2 : X2</td>
<td>Current Transformer input, CT2. White wire of CT2 (2 phase models only)</td>
</tr>
</tbody>
</table>
3 TECHNICAL SPECIFICATIONS

3.2 Input/Output Connections and User Display

Table 2B - I/O Connections

<table>
<thead>
<tr>
<th>Outputs</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>10, Isolated Output (10 Wh/P, Kh = 10)</td>
<td>Isolated pulse output: 5 watthours on, 5 watthours off, referenced to ISOL COM</td>
</tr>
<tr>
<td>100, Isolated Output (100 Wh/P, Kh=100)</td>
<td>Isolated pulse output: 50 watthours on, 50 watthours off, referenced to ISOL COM</td>
</tr>
<tr>
<td>1000, Isolated Output (1 kWh/P, Kh=1000)</td>
<td>Isolated pulse output: 500 watthours on, 500 watthours off, referenced to ISOL COM</td>
</tr>
<tr>
<td>ISOL COM</td>
<td>Isolated common for 10/100/1000 isolated outputs</td>
</tr>
<tr>
<td>Counter (kh = 100 or kh = 1000)*</td>
<td>For 12 VDC electro-mechanical counter</td>
</tr>
<tr>
<td>+12 VDC</td>
<td>+12V DC @ 10ma Max output</td>
</tr>
<tr>
<td>(MMS and MMD models only)</td>
<td>(Not Isolated for pre-wiring only)</td>
</tr>
</tbody>
</table>

* Recommended Leviton Mechanical Counters part numbers are: MPCTR-1KW (1kWh) and MPCTR-TKW (0.1kWh).

Table 3 - Display Indicators

<table>
<thead>
<tr>
<th>LED Indicators</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Load LED (green)</td>
<td>50% duty cycle LED to verify proper meter function when connected to a load. At 200 watts, LED will flash 1.5 minutes on, 1.5 minutes off; with no load, LED will remain on or off</td>
</tr>
<tr>
<td>LCD Display</td>
<td>LCD display shows total kWh, kWh demand, instantaneous kWh, reverse phase indication, and serial number upon boot.</td>
</tr>
</tbody>
</table>
4 INSTALLATION INSTRUCTIONS

4.1 Preparation

WARNINGS

• TO AVOID FIRE, SHOCK OR DEATH; TURN OFF POWER at circuit breaker or fuse and test that power is off before installing product or servicing current transformers.

• TO AVOID FIRE, SHOCK OR DEATH; Look inside the meter and electrical panel for possible exposed wire, broken wire, damaged components or loose connections.

CAUTIONS

• Ensure the conduit for the installation is flexible and non-metallic. For outdoor applications conduit and conduit fittings must be rated UL Type 4X for outdoor enclosures. Failure to use the appropriate conduit impairs the degree of equipment protection.

• Specification for branch circuit protection, rated min. 250 V, 1A, for voltage sense / input leads.

4.2 List of Materials

• Mini Meter, Surface Mount enclosure and associated mounting materials, four #6 x 1 5/8 drywall screws.

• Additional wiring for CT or voltage leads extension if needed. Wires must be 18 AWG or thicker and insulated for 300 VAC min.

• Current Transformers (CTs): This product is designed for use with Leviton CTs

• Flexible, non-metallic conduit and fittings; UL Type 4X for outdoor applications.

4.3 Setting up the Enclosure

4.3.1 Mounting Location

• Mini Meter surface mount enclosures require a switch or circuit breaker as part of the building installation.

• The switch or circuit breaker must be marked as the disconnecting device for the Mini Meter.

• It is recommended that the enclosure be mounted near the disconnecting device in an area with adequate ventilation.

• Ensure that the CT and voltage lead lengths (and conduit lengths) are capable of reaching the enclosure from the load center.

• If a suitable mounting location near the load center cannot be found, additional in-line fuses or circuit breaker may be required in accordance with NEC regulations.
4 INSTALLATION INSTRUCTIONS

4.3.2 Making Conduit Openings

It is recommended that wire holes be placed in the lower left compartment of the Surface Mount enclosure, just below the Mini Meter I/O terminal block. Wire hole sizes must be appropriate to fittings, and large enough to fit all voltage and CT wiring (4-7 18 AWG min. wires insulated for 300 V min.).
4 INSTALLATION INSTRUCTIONS

4.4 Installation of Voltage Lines

WARNING: TO AVOID FIRE, SHOCK OR DEATH; TURN OFF POWER at circuit breaker or fuse and test that the power is off before wiring! Verify that branch circuit fuse specifications meet local electric codes (see section 3.2).

1. Based on desired mounting location, check if additional in-line fuses are required to meet local electric codes. (See section 4.3.1 for mounting location requirements and recommendations).
2. Mini Meter devices come standard with voltage wires pre-connected to the metering board.
3. Route wires through conduit to the breaker panel.
4. Trim wires to the appropriate length to avoid coils of excess wiring and strip to approximately 0.300 inches.
5. Following all national and local electric codes, connect wires to appropriate locations in the load center. Wires should be tightened so that they are held snugly in place, but do not to over-tighten, as this may compress and weaken the conductor. See figure 5 for Mini Meter wiring diagram.
4 INSTALLATION INSTRUCTIONS

4.5 Installation of Current Transformers

WARNING: TO AVOID FIRE, SHOCK OR DEATH; TURN OFF POWER at circuit breaker or fuse and test that the power is off before installing or servicing current transformers.

CAUTION: In accordance with NEC, CTs may not be installed in any panel board where they exceed 75% of the wiring space of any cross-sectional area. Violation of the electric code could be punished by a fine or imprisonment.

4.5.1 General Requirements

- Field wired CT connections are made to the Mini Meter terminal block. The rated torque for these terminal blocks is 4.4 in-lb, and can be used with solid and stranded copper wires, at 12-18 AWG.
- Splices on the CT leads must be within the meter enclosure, not inside the conduit.
- Leviton-provided CT leads are approximately 48 inches. Wire insulation should be stripped so that the bare conductor length that connects to the meter terminal block does not exceed 0.300 inches.
- CTs should be securely fastened such that they will not slide down to live terminals.
- Wires should be tightened so that they are held snugly in place, but do not overtighten, as this may compress and weaken the conductor.
- Current and voltage inputs must be installed ‘in phase’ for accurate readings (e.g. CT1 on Line 1, CT2 on Line 2).
- Leviton solid core CTs (Figure 3): In accordance with CT label, the LINE side of CT must face incoming Line. White lead connects to X2 of CT connection (CT1:X2 or CT2:X2). Colored lead connects to X1 of the corresponding CT connection (CT1:X1 or CT2:X1).

4.5.2 Installing solid core CTs

WARNING: TO AVOID FIRE, SHOCK OR DEATH; TURN OFF POWER at circuit breaker or fuse and test that the power is off before installing or servicing current transformers.

1. Route CT wires through the drywall cutout into the meter backside enclosure, if not already done, then attach to meter per figure 1.3.
2. Trim the wire to the appropriate length to avoid coils of excess wiring.
3. Strip wiring to approximately .300 inches and connect to the appropriate terminals as described above.
4. With power turned off, disconnect each monitored conductor and slide on a CT, ensuring the CT is correctly oriented as noted above.
5. Reconnect the conductors.

NOTE: Failure to install CTs in the correct orientation and on the correct phase will lead to inaccurate meter readings. The Mini Meter wiring diagram is shown in Figure 5.
4 INSTALLATION INSTRUCTIONS

4.6 Surface Mount Enclosure Installation

The Surface Mount Enclosure uses four drywall anchors and screws (included) for mounting.

1. Select a desired installation location following the guidelines of 4.3.1.
2. Using the “enclosure base” as template mark the four mounting holes on the wall (See Figure 4A)
3. Remove “enclosure base” and insert the anchors into the drywall.
4. Determine which enclosure base “knockout” to remove for CT and voltage leads. (See Figure 4B)
5. Make a 1-2 inch diameter hole in drywall to bring the CT and voltage leads wires through.
6. Place the enclosure base on the wall inserting the wires through the knockout.
7. Mount the enclosure base to the wall with the four screws included.
8. Verify wiring per Sections 4.3.2 and 4.4
9. After running the tests in Section 4.7, place the cover on the meter and attach with the provided screws.

![Figure 4A and 4B - Mounting Hole Locations](image-url)
4 INSTALLATION INSTRUCTIONS

SINGLE ELEMENT, MINI METER WIRING DIAGRAM

LINE
LINE 1
120 V
NEUTRAL

H1
CT1
X2
X1

LOAD

Figure 5: Dual and single element Mini Meter hookup diagram

DUAL ELEMENT, MINI METER WIRING DIAGRAM

LINE
LINE 1
120 V
NEUTRAL
LINE 2
120 V
240 V or 208 V

H1
CT1
X2
X1

H1
CT2
X2
X1

LOAD

Optional 12VDC Counter (Kubler Type K46 or Equivalent)

Secure clear cover with two screws after wiring (2 places)

Manufacturer is not responsible for damage to the meter caused by incorrect wiring

Figure 5: Dual and single element Mini Meter hookup diagram
4 INSTALLATION INSTRUCTIONS

4.7 Testing the Installation

Testing Voltage
The LCD illuminates when the Mini Meter devices has a proper power supply. Voltage should also be tested using an AC voltmeter to verify that the voltage across voltage line terminals (L1 to Neutral and L2 to Neutral) is not in excess of the maximum rated voltage.

Load LED
The load LED is described in section 3.2. This LED should be cycling at 50% duty cycle when the meter is connected properly and a sufficient load is applied.
5 WIRELESS AUTOMATIC METER READING

5 Wireless Automatic Meter Reading

5.1 MDT Transceiver Wiring

Built into MMSMT models is a wireless Meter Data Transceiver (MDT) as shown in Figure 2. Six wires connect between transceiver and the Mini Meter. The transceiver logs and time stamps accumulated pulses in 15 minute intervals and sends the data via a mesh network of transceivers and repeaters (if required) to a Data Concentrating Access Point (DCAP). Repeaters and DCAPs are sold separately.

MDT Power and Pulse input are pre-wired to isolated pulse output terminals:
- Power: Red wire to meter terminal +12 VDC and black to terminal counter.
- Meter Pulse Input: Green wire to terminal 10 and black to ISOL COM.
- Tamper Switch: White and black to tamper proof micro-switch.

![Figure 6: Wireless Network consisting of MDTs, Repeater, DCAP](image)

5.2 Network Activation

For complete wireless system commissioning information, consult the Tehama QuickStart Guide, which can be downloaded from the manufacturers website.

**DCAP**

**NOTE:** The DCAP should be the first device installed and powered. Once the DCAP is in place and powered, the Repeater Backbone can then be installed.

**Repeaters**

Power up repeaters starting with the closest to the DCAP and progressing out to the one farthest from the DCAP. This will allow remote Repeaters to see the Network Backbone when they are turned on. If the repeaters are not powered up in this order, then the power-up LED indicator on the remote Repeaters may not turn on to indicate that it has successfully joined the Network. Once the Repeaters are in place, you can use the Commissioning and Installation Tool (CIT) software (supplied on disc with purchase of the DCAP) to monitor the performance of the network backbone.
5 WIRELESS AUTOMATIC METER READING

MDTs

After the Network is in place, you can begin to place the MDTs in their locations and turn them on. Alternatively the MDTs can also be installed with the meters while they are powered off. As soon as the meter begins to generate pulses, the first pulse will automatically turn on the MDT and begin to transmit.

Placement

CAUTIONS

• Like repeaters, MDTs should not be mounted inside a metal box or near a metal wall (i.e. heating furnace or electrical panel). Consult the Tehama QuickStart Guide, which can be downloaded from the manufacturers website.
• MDTs must be mounted using velcro, tie-wraps, or screws. Don’t let the MDT dangle by the pulse input wire.
• Avoid locations with dampness, high humidity, or an abundance of mold.

MDT and Repeater power-up

Power up the MDT so it can register with the DCAP. MDT’s must be wired to the meter described in Section 5.1 in order for the device to be operational.

The image below shows where an invisible button is on the wireless transceiver. Press that area of the MDT until you can feel the button click below your finger. The LED to the right of the ON/OFF button will provide feedback when the button is properly pushed.

• To turn the device ON, press and hold the ON/OFF button until the LED flashes off (about four seconds) then release the button.
• After about 30 seconds the LED flash frequency will change from slow to fast. After another 30 seconds, the LED will stay solid for 10 seconds then turn off, indicating the device is communicating with the network.
• To turn a device OFF, press and hold the ON/OFF button until the LED flashes off (about four seconds) then release the button. The LED will flash twice, indicating the device is OFF.
5 WIRELESS AUTOMATIC METER READING

Power-up LED Indications

Slow flash: The device is searching for a signal from a Beacons from a DCAP and/or Repeaters.
Rapid Flash: The device has received a signal from a DCAP or a repeater and is in the process of joining the Network.
Solid Flash: The device has successfully joined the Network.
After power up, if ON/OFF button is quickly pressed once, LED will indicate:
Single Flash: The device is in a light sleep mode. It will wake up periodically to listen for beacons.
Double Flash: The device is OFF
10 second on: The device is connected with a Network.

NOTE: When the device is ON but cannot connect with a radio network, it enters a light sleep mode. If no network is present, the device will continue to flash slowly for 90 seconds then return to sleep mode for some time before trying to connect to a signal again. If no network is in range, turn off the device so the battery will not drain.

6 MAINTENANCE

Properly installed meters with correct connections and secure conduit fittings should not require user maintenance. If the meter is functioning abnormally, consult the FAQ/Troubleshooting guide. If the answer cannot be found there, contact Technical Support.
<table>
<thead>
<tr>
<th>Problem</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. LCD not illuminated</td>
<td>• Make sure all connections are wired properly</td>
</tr>
<tr>
<td></td>
<td>• Test the voltage being supplied to the meter using an AC voltmeter</td>
</tr>
<tr>
<td></td>
<td>• With power off, remove any additional line fuses and test with ohmmeter</td>
</tr>
<tr>
<td>2. Load LED not flashing</td>
<td>• Verify CT connections and orientations</td>
</tr>
<tr>
<td></td>
<td>• Make sure there is sufficient load to draw the required current</td>
</tr>
<tr>
<td></td>
<td>• Test the voltage being supplied to the meter using an AC voltmeter</td>
</tr>
<tr>
<td>3. Registered consumption low</td>
<td>• Check to make sure the reverse phase indicator is not on</td>
</tr>
<tr>
<td></td>
<td>• Make sure that current and voltage connections are in phase.</td>
</tr>
<tr>
<td></td>
<td>• Check power connections and fuses</td>
</tr>
<tr>
<td>4. Wireless AMR communication not operating</td>
<td><strong>NOTE:</strong> Refer to section 1 before proceeding.</td>
</tr>
<tr>
<td></td>
<td>• Verify wireless AMR is wired correctly per Section 5.1.</td>
</tr>
<tr>
<td></td>
<td>• Verify wireless network commissioning per section 5.1.</td>
</tr>
</tbody>
</table>

**Q:** What is AMR equipment?

**A:** AMR is Automatic Meter Reading equipment. This typically consists of radio transmitters, repeaters and a collector that monitors, records, and is capable of transmitting data to a third party billing service (residential billing company).

**Q:** Why are the current transformers color coded (Black and white, red and white, and blue and white)?

**A:** CT1 needs to monitor the same phase used to power the meter on line 1, CT2 needs to monitor the same phase used to power line 2. Color coding helps the installer maintain correct phasing.

**Q:** Can the meters be tampered with after installation?

**A:** The surface mount enclosures provide two drilled fillister head screws through which wire seals can be installed. Also, tamper-evident labels can be affixed to the cover after installation.

**Q:** Can voltage input wires and current transformer secondary leads be routed through the same conduit?

**A:** Yes, provided Leviton supplied CTs are used.

**Q:** I still can’t get my meter to work, what now?

**A:** Contact technical support via phone or at www.leviton.com
LIMITED 5 YEAR WARRANTY AND EXCLUSIONS
Leviton warrants to the original consumer purchaser and not for the benefit of anyone else that this product at the time of its sale by Leviton is free of defects in materials and workmanship under normal and proper use for five years from the purchase date. Leviton’s only obligation is to correct such defects by repair or replacement, at its option. For details visit www.leviton.com or call 1-800-824-3005. This warranty excludes and there is disclaimed liability for labor for removal of this product or reinstallation. This warranty is void if this product is installed improperly or in an improper environment, overloaded, mishandled, opened, abused, or altered in any manner, or is not used under normal operating conditions or not in accordance with any labels or instructions. There are no other or implied warranties of any kind, including merchantability and fitness for a particular purpose, but if any implied warranty is required by the applicable jurisdiction, the duration of any such implied warranty, including merchantability and fitness for a particular purpose, is limited to five years. Leviton is not liable for incidental, indirect, special, or consequential damages, including without limitation, damage to, or loss of use of, any equipment, lost sales or profits or delay or failure to perform this warranty obligation. The remedies provided herein are the exclusive remedies under this warranty, whether based on contract, tort or otherwise.

FOR CANADA ONLY
For warranty information and/or product returns, residents of Canada should contact Leviton in writing at Leviton Manufacturing of Canada Ltd to the attention of the Quality Assurance Department, 165 Hymus Blvd, Pointe-Claire (Quebec), Canada H9R 1E9 or by telephone at 1 800 405-5320.

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