Installation (for 71D48 only)

1. Remove covers.
   - Screws provided.

   - Use the enclosure as a template.
   - NOTE: If meter is not available to use as a template, see Users Guide at www.leviton.com.

3. Connect.
   - Conduit fittings
   - Conduits
   - Blanking plugs

4. Connect voltage leads.
   - WARNING: RISK OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH. DO NOT METER WITH VOLTAGE COVER REMOVED. CAREFULLY READ AND FOLLOW INSTRUCTIONS.
   - Connect the voltage leads (L1, L2, L3 and N as necessary) to the meter through a dedicated disconnect or circuit breaker.
   - NOTE: Verify the circuit breaker is marked as the disconnect breaker for the meter.

5. Attach high voltage cover.
   - NOTE: IP30 TOUCH SAFE
   - (with internal cover installed)

6. Connect CT and communications wiring.

Communication Verification

The LCD User Interface can be used to quickly confirm the settings required for each combination of interface and protocol. The interface is intuitive and groups together commonly associated registers. Arrows indicate how to move from one menu display to the next. The active menu item is indicated by a blinking character on the LCD. The ENTER button is used to select a property and up / down buttons are used to select among the values supported by the meter.

NOTE: Verification includes confirmation of both the physical interface settings (serial or ethernet) and the protocol (Modbus or BACnet) settings.

NOTE: Changes to the meter configuration are limited to the communication interface using the LCD. If additional changes (such as CT type) are required they must be made using a software interface.

VerifEye® Advanced Multi-Circuit Meter

Cat. Nos. 70D48, 70N48 and 71D48

WARNINGs
- RISK OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH. CAREFULLY READ AND FOLLOW INSTRUCTIONS.
- HIGH VOLTAGE MAY BE PRESENT. RISK OF ELECTRIC SHOCK. LIFE THREATENING VOLTAGES MAY BE PRESENT. Qualified personnel only.
- TO AVOID RISK, SHOCK OR ARC FLASH, DO NOT TOUCH ALL power supply equipment before working on or inside the equipment. Use a properly rated voltage sensing device to confirm power is off.
- Follow safe electrical work practices. See NFPA 70E in the USA, or applicable local codes.
- This equipment MUST be installed and serviced by qualified electrical personnel with the requisite knowledge, training and experience related to the installation and operation of this equipment.
- Product may use multiple voltage/power sources. Be sure all sources of power have been disconnected before servicing.
- Do not depend on this product for voltage indication.
- Only install this product on insulated conductors.

DO NOT EXCEED 346V Line to Neutral or 600 volts Line to Line. This meter is equipped to monitor loads up to 346V L-N. Exceeding this voltage will cause damage to the meter and danger to the user. Always use a Potential Transformer (PT) for voltages in excess of 346V L-N or 600 volts line to line. The VerifEye® is a 600 Volt Over Voltage Category III device.

For use in a Pollution Degree 2 or better environment only. A Pollution Degree 2 environment must control conductive pollution and the possibility of condensation or high humidity. Consider the enclosure, the exterior insulation, indoor, outdoor, and cleanliness of the environment, and the relationship with the environment. Installation category, CAT II or CAT III.

Provide a disconnect to disconnect the meter from the supply source. Place this device in close proximity to the equipment, and within easy reach of the operator, and mark it as the disconnecting device. The disconnecting device shall meet the requirements of IEC 60947-1 and IEC 60947-3 and shall be suitable for the application. In the US and Canada, disconnecting fuse holders can be used. Provide overcurrent protection and disconnecting device for supply conductors with approved current limiting devices suitable for protecting the wiring. If the equipment is used in a manner not specified by the manufacturer, the protection provided by the device may be impaired.

For the complete safety information for this product, see the full user guide at www.leviton.com.
2. Wiring the CTs to the meter

The image to the right shows how to connect the CTs to the input terminals on the 5700/7000 for each service type. For service types that are not specifically listed, choose SINGLE PHASE service from the drop-down menu and configure each channel individually. The three-phase loads that are illustrated on the left and split-phase loads on the right are shown as examples only. Elements are fully interchangeable on the meter.

NOTE: Current and voltage inputs must be installed ‘in phase’ for accurate readings (e.g. CH1 on PHASE 1, CH2 on PHASE 2). Orientation is critical. Ensure that all CTs are properly oriented with the line and load, as marked. Failure to install CTs in the correct orientation and on the correct phase will lead to inaccurate meter readings.

FCC & IC Canada Compliance Statement:
This device complies with Part 15 of the FCC Rules and ICES-003 Class A standard(s). Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC & IC Canada Compliance Statement:
This device complies with Part 15 of the FCC Rules and ICES-003 Class A standard(s). Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC SUPPLIER’S DECLARATION OF CONFORMITY:
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

For Technical Assistance Call: 1-800-824-3005 (USA Only) or 1-800-405-5320 (Canada Only) leviton.com

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