

# Instruction Bulletin

## Wiser Energy Load Center Addendum to NVE87841 Pages 4, 5, 9 and 10

Retain for future use.

### Introduction

The following instructions are an addendum to pages 4, 5, 9, and 10 of instruction bulletin no. NVE87841 for the Wiser Energy load center.

### Current Transformer Installation General Guidelines

Follow these general guidelines when installing the current transformers:

- Remove the current transformer from the packaging.
- In order to comply with the National Electric Code, make sure that the current transformers, along with any wiring, do not exceed 75% of the available cross-sectional area in any wiring space.
- Do not install the current transformers on an area where they will block ventilation openings.
- Do not install the current transformers in area of circuit breaker arc venting.
- Secure the current transformer and route the conductors that the conductors do not directly contact the live terminals or the bus.

**Note:** Please refer to the individual miniature circuit breaker instruction bulletin.

**Note:** Shortening the current transformer's wire is not recommended. Special tools and equipment would be required to correctly install the current transformer connector.

### Precautions

#### DANGER

##### HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

- Apply appropriate personal protective equipment (PPE) and follow safe electrical work practices. See NFPA 70E, CSA Z462 or NOM-029-STPS.
- This equipment must only be installed and serviced by qualified electrical personnel.
- This equipment must be effectively grounded per all applicable codes. Use an equipment-grounding conductor to connect this equipment to the power system ground.
- Disconnect all power supplying this equipment before working on or inside equipment.
- Always use a properly rated voltage sensing device to confirm power is off.
- Replace the barrier and the doors and covers before turning on power to this equipment.

**Failure to follow these instructions will result in death or serious injury.**

### Installation

#### WE1EMSHMBRT

1. Read the safety precautions on pages 4 and 5 of the instruction bulletin, NVE87841, supplied with the equipment. Turn OFF all power before working on or inside the enclosure and load center.
2. Remove the cover screws (A) and remove the load center cover (B). See NVE87841, Figure 1 on page 9.
3. Measure the voltage from each line to neutral and from line to line to confirm that the power is OFF. See NVE87841, Figure 2 on page 10.

4. Remove the wired Wiser Energy monitoring hub from the Wiser Energy monitoring hub mounting device.
5. Remove the Wiser Energy monitoring hub mounting device screws (one for HOM2448L125PGCMR, HOM4080L225PCMR, HOM4080M200PCMR, QO124L125PGCMR and QO142M200PCMR, or two for SC3042M200PFMR).
6. Place the new Wiser energy monitoring hub mounting device and tighten the screw(s) to 25–45 lb-in. (2.8–5.1 N•m).
7. Replace the wired Wiser Energy monitoring hub in the Wiser Energy monitoring hub mounting device.
8. Replace the load center cover (B) and screws (A) and tighten to 20 lb-in. (2.3 N•m).

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