

Safety



DANGER

Improper installation could cause serious injury or death and may endanger property. Contact with any live parts (including, but not limited to, NV3x series parts) under voltage is extremely dangerous.

Installation

1. Read safety and installation guidance.

Before starting, refer to the NV3x User Guide, Sections 1 (Safety) and 6 (Installation), for the whole installation procedure and safety requirements.

2. Mount the meter.

- Using the mounting template (other side of this sheet), install the top mounting screw and hang the meter on it.
- Ensure a minimum clearance of 10 mm around the meter.
- Secure the meter in place using the two lower-side mounting screws.

3. Connect wiring.

Install and terminate all wiring in accordance with the specified **Installation Drawing**.

4. Verify configuration on the screen.

- a. Confirm that SCS and LCS are correctly assigned (e.g., S = 1, L = 2).
- b. For NV30-CT meters, confirm that the CT ratio is correctly set (e.g., CT 500:5A).

5. Verify measured values.

- Confirm that the measured VOLTAGE and CURRENT are approximately the same values displayed on the screen.
- For NV30-CT, the CURRENT shown on the screen is the primary current (A).

6. Check cellular signal and antenna installation.

- Confirm that the cellular signal strength is adequate.
- If **RSRP < -100 dBm**, the supplied external antenna must be installed.
- If routing the external antenna cable through the top of the meter:
 - 1. Break off the appropriate top-entry tabs.
 - 2. Fit the right-angle SMA adaptor to avoid undue stress on the cable and SMA jack.

7. Attach Security Tags

Finally, attached security tags to the Electronics module and Docking Station.

8. Departures from Installation Drawings

Any departure from the approved **Installation Drawing** must be reported to Nexbe within three (3) business days.

