

2.7 Three-Phase Delta 480V

High-voltage (480V) three-phase delta installation measuring power coming from a power utility (grid).

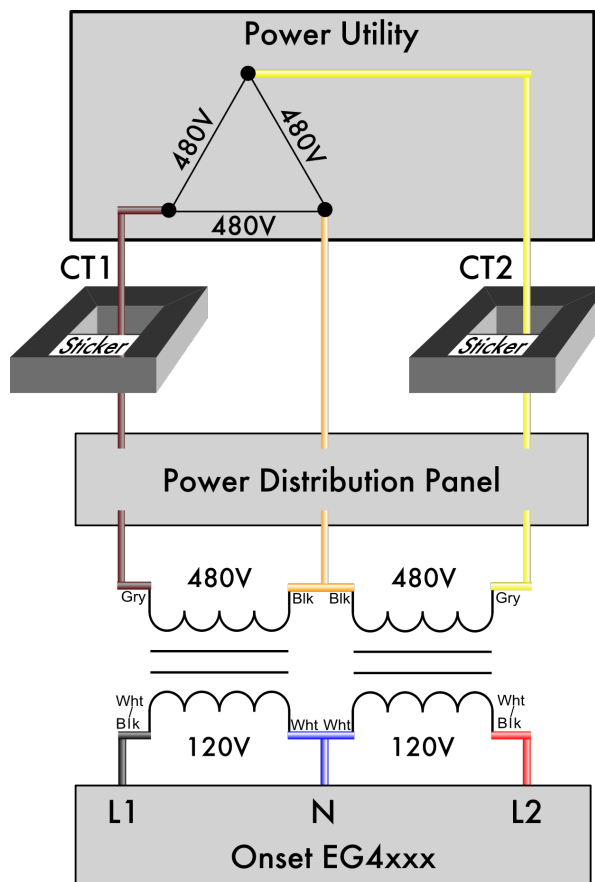
Transformers:
2x Functional Devices
TR50VA008
480V/120V 50VA

Gry: Grey wire (480Vac primary)

Blk: Black wire (Comm primary)

Wht/Blk: White + Black wire (120Vac secondary)

Wht: White wire (Comm secondary)



Potential Transformers (PTs)

L1 = FDT-480-120

L2 = FDT-480-120

Registers

Grid = [P] [=] CT1*L1 + CT2*L2

Totals and Virtual Registers

Usage = Grid

Notes:

- Please contact Onset support if your transformers do not match the supported setup above.
- **CAUTION:** Since there is no neutral and none of the phases may be grounded, all conductive/metallic parts, including CT-plug screws and CT wiring should be considered live and hazardous!
- If one of the phases is grounded, wire that phase to the Neutral (N) pin on the meter.
- It is imperative wiring and CT placement is done exactly as indicated in the diagram. Troubleshooting methods are limited on deltas using step-down transformers.



Notes:

- Note that the orange, brown and red wires on the transformer are not used. These should be capped for safety.
- This image is only intended to illustrate the proper wiring relationship and does not reflect proper installation practices. Potential transformers should only be installed by a licensed electrician.