



DEH-0006886 Installation Guide

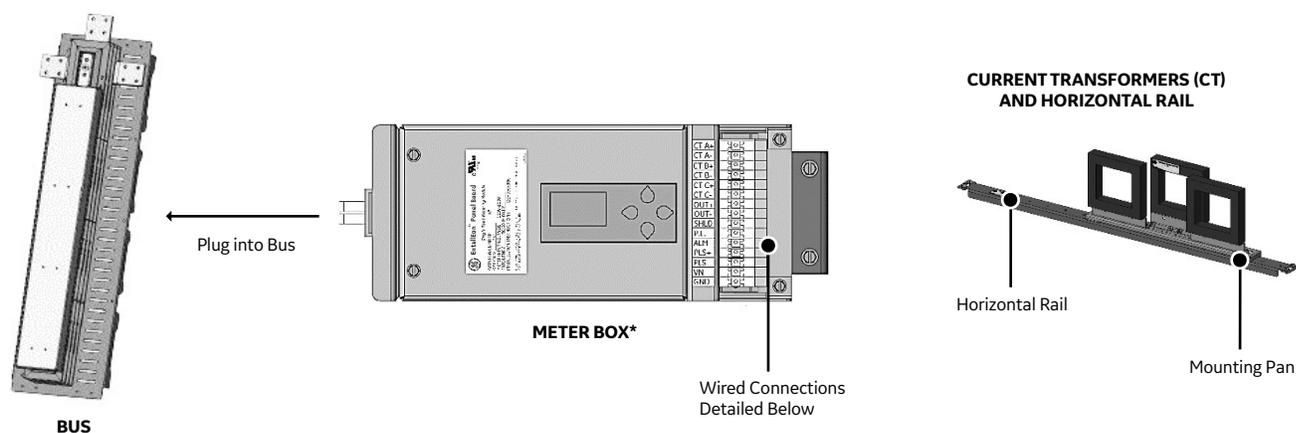
EntellEon^{*} AMP1 Main Circuit Breaker Meter

WARNING

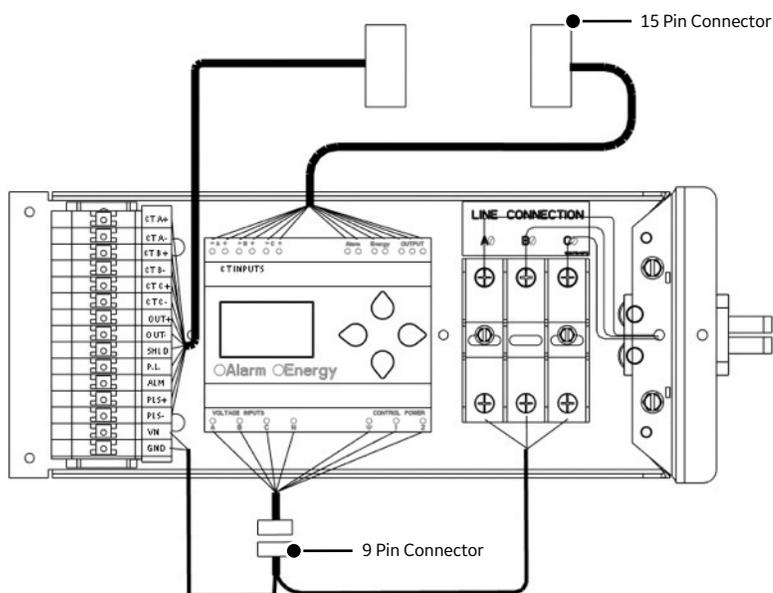
Danger of electrical shock or injury. Turn OFF power ahead of the panelboard or switchboard before working inside the equipment or removing any component. Equipment is to be installed and maintained by properly trained and qualified personnel only.

This guide is to aid the installation of the AMP1 metering kit in an EntellEon Power Panel. Meter Configuration is required, refer to DET-783.

AMP1 Meter Assembly



Meter box must be mounted on the side of the enclosure with two or more mounting rails. To rotate meter display, open box and disconnect both connectors, rotate meter on din rail, reconnect both connectors, and close the box.

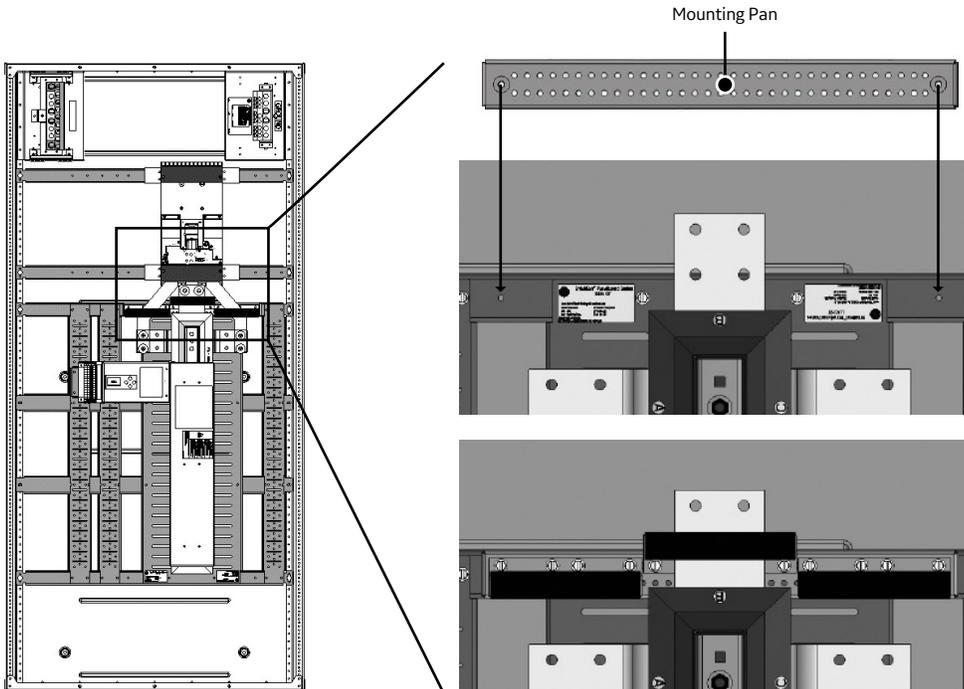


Mounting Current Transformers

Mount all CT assemblies to mounting pan with the provided ¼-20 steel screws. The location of the CTs in the power panel will depend on the incoming type; vertical main circuit breaker, horizontal main circuit breaker, or main lugs only.

Vertical Main Circuit Breaker

Mount the CTs directly on the interior frame before installing the straps connecting the main circuit breaker to the bus. Discard the horizontal rail provided with the CTs.

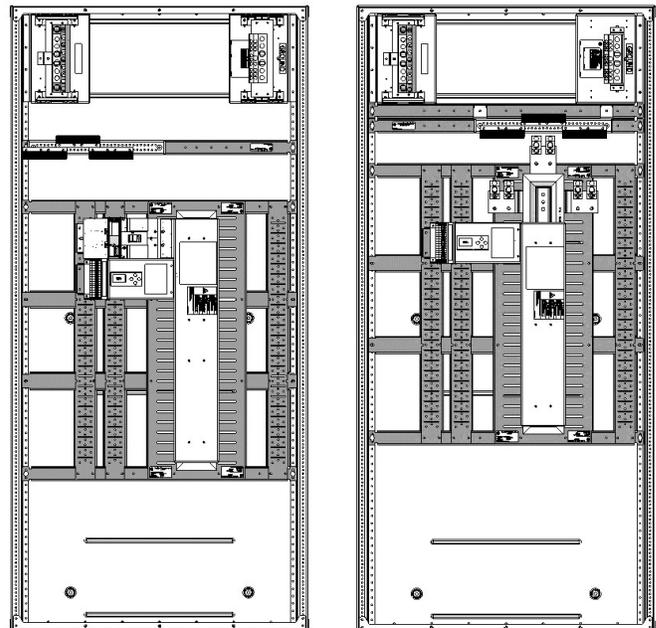


Mount the CTs directly on the interior frame before installing the straps connecting the main circuit breaker to the bus. Discard the horizontal rail provided with the CTs.

1. Mount the CT pan on the interior frame
2. Mount the CTs on the pan for each phase

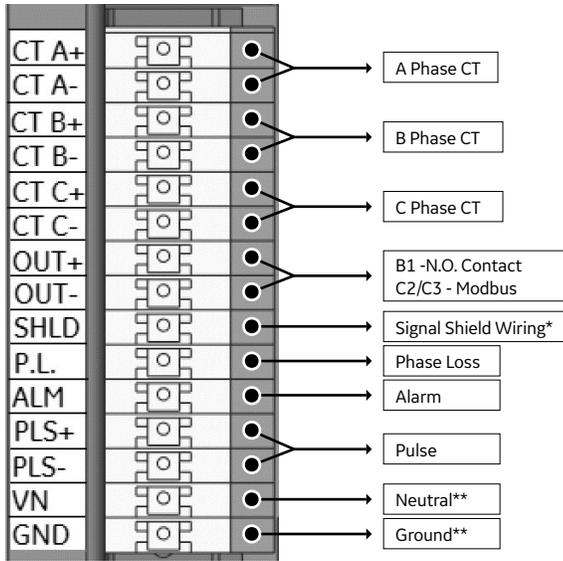
Horizontal Main Circuit Breaker and Main Lugs Only

Mount the CTs directly on the enclosure using the horizontal rail provided.



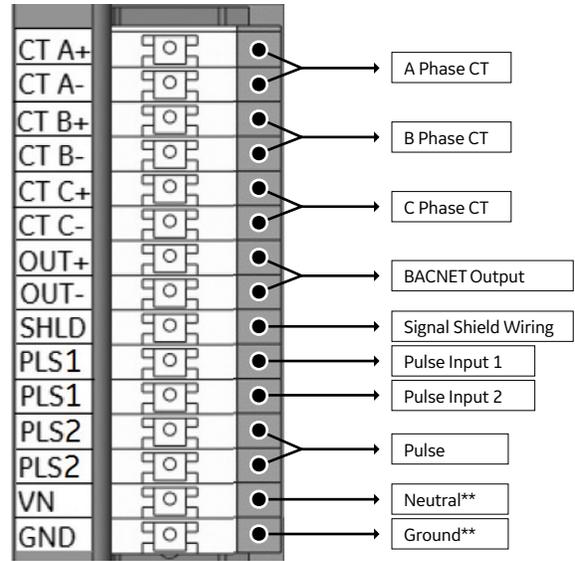
Terminal Block Wiring Detail

AMP1 B1/C2/C3



TERMINAL BLOCK

AMP1 H5



TERMINAL BLOCK

* Signal shield wiring is not required for E50B1

** Connect neutral and ground wire from terminals above to the neutral and ground inside panel as shown on right. Route 12-gauge wire through the shortest path avoiding breaker cables.

Neutral is only required in 4 wire systems

GE



*Registered trademark of the General Electric Company.

The GE brand, logo, and lumentation are trademarks of the General Electric Company.

© 2018 General Electric Company. Information provided is subject to change without notice.

All values are design or typical values when measured under laboratory conditions.

DEH-0006886, Rev. 05/2018