

# *Installation Instructions*

## **Service Entrance Applications**

**WARNING:** AC Power to the system, at the surge suppressor, and in the vicinity of the surge suppressor **MUST** be disconnected prior to performing the following mechanical and electrical installation procedure.

# ! WARNING

Installation personnel must read and fully understand both the mechanical and the electrical installation procedures contained within this document before installing this device.

Serious and/or fatal electrical shock hazards exist if extreme care is not exercised during all phases of mechanical and electrical installation procedures.

AC Power to the system **MUST** be disconnected prior to the performing of the following mechanical installation procedures. It **MUST** be verified that AC Power is disabled in all physical areas surrounding the system that are within the reach of installation personnel before beginning the mechanical installation.

Insure that the AC ground system is available and properly installed, 100% intact, and fully operational at the electrical distribution where the device is being installed.

If any questions arise concerning the proper installation of this product, please call:

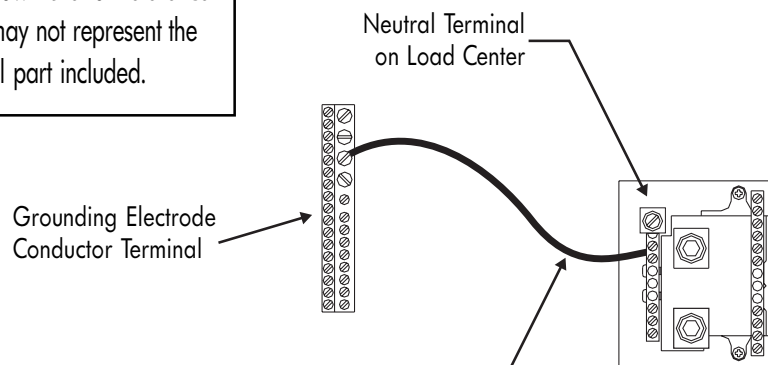
**800.882.9110 or 208.772.8515**

## Service Entrance Application Installation

The main bonding jumper should be installed by qualified personnel only.

- 1] Insure the main breakers are in the off position before installing.
- 2] Use the Green #4 AWG copper conductor provided.
- 3] Install the main bonding jumper as shown in the wiring diagram.

Graphics shown are for reference only and may not represent the actual part included.

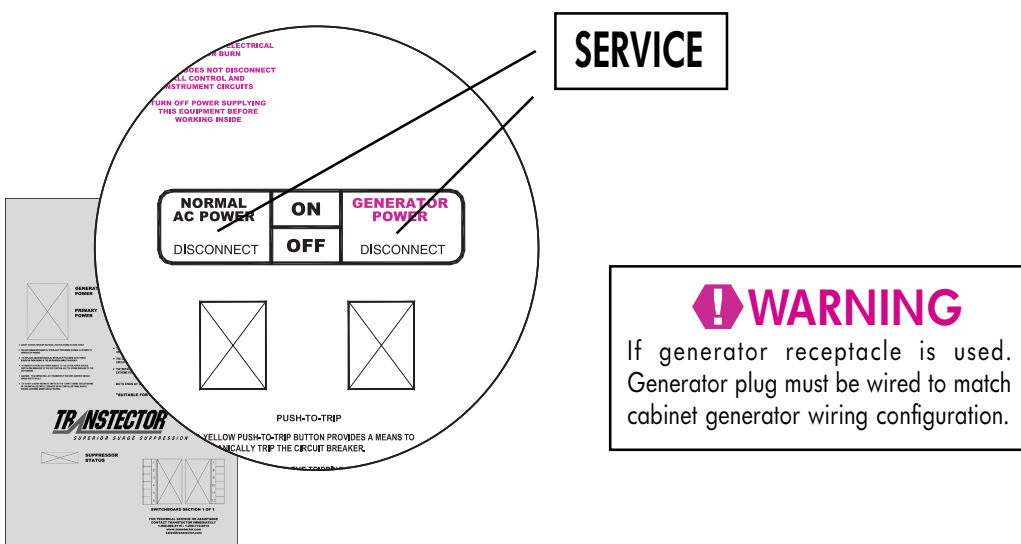


A neutral ground bond is required when this unit is used for Service Entrance applications. Attach the supplied green ground wire to terminals as shown. Tighten connections according to torque chart spec.

4] Tighten the terminals to the value shown in the torque table.

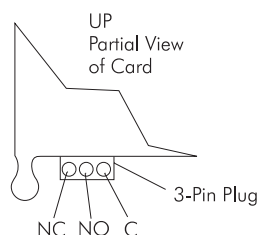
| Tightening Torque, Inch Pounds        |  |  |  |
|---------------------------------------|--|--|--|
| Test Wire Size Installed in Connector | Small Neutral and Ground Bar Connector Holes | Large Neutral and Ground Bar Connector Holes | Main Phase and Neutral Terminals/Other Connections |
| 18-10 AWG                             | 20   | 35   | 75   |
| 6                                     | 35   | 45   | 110  |
| 4                                     | -  | 45   | 110  |
| 3                                     | -  | 45   | 150  |
| 2                                     | -  | 50   | 150  |
| 1                                     | -  | 50   | 150  |
| 1/0                                   | -  | 50   | 180  |
| 2/0                                   | -  | 50   | 180  |
| 3/0                                   | -  | 50   | 250  |
| 4/0                                   | -  | 50   | 250  |

5] If the panel is used as service entrance equipment, apply the "SERVICE" label over the "ON/OFF" designation above the breakers (See Below).

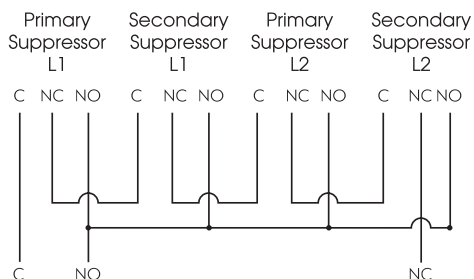


## Additional Wiring Information

### Typical Relay Contact Wiring



### Typical Installation Wiring for Single Remote Indication of Primary and Secondary Suppressor Status (where used)



## One Year Manufacturer's Warranty

Transtector Systems warrants their products for a period of one (1) year from the date of delivery to the retail purchaser to be free from defects in both workmanship and materials. Any defect appearing more than one (1) year from the date of delivery to purchaser shall be deemed to be due to ordinary wear and tear. Transtector Systems, however, assumes no risk or liability for results of the use of products purchased from it, including but without limiting the generality of the foregoing: (1) The use in combination with any electrical or electronic components, circuits, systems, assemblies or any other materials or substances; (2) unsuitability of any products for use in any circuit or assembly. Purchaser's rights under this warranty shall consist solely of requiring Transtector Systems to repair, or in Transtector Systems' sole discretion, replace, free of charge, F.O.B. factory, any defective items received at said factory within said five years and determined by Transtector Systems to be defective. The giving of or failure to give any advice or recommendations by Transtector Systems shall not constitute any warranty by or impose any liability upon Transtector Systems. The foregoing constitutes the sole and exclusive remedy of the purchaser and the exclusive liability of Transtector Systems, AND IS IN LIEU OF ANY AND ALL OTHER WARRANTIES, EXPRESS, IMPLIED OR STATUTORY AS THE MERCHANTABILITY, FITNESS FOR PURPOSE SOLD, DESCRIPTION, QUALITY, PRODUCTIVENESS, OR ANY OTHER MATTER, in no event shall Transtector Systems be liable for special or consequential damages or for delay in performance of this warranty.

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