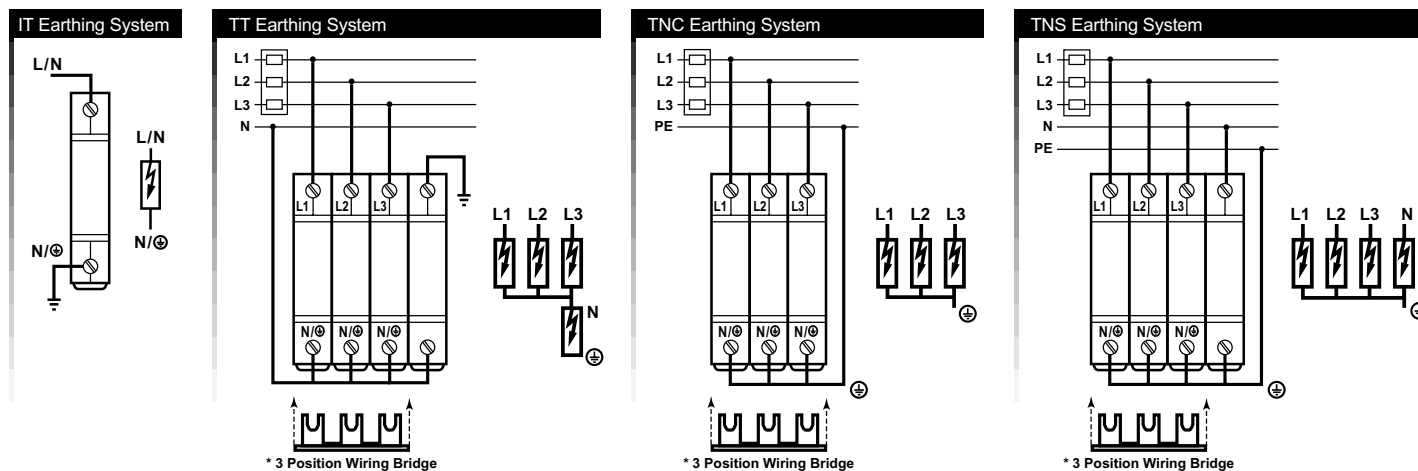


Installation Instructions

Titan Spark Gap Surge Protection Device

1 Verify Correct Connection and Line Voltage



* Connect N/PE terminals together with wires or 3 Position Wiring Bridge

— Backup protection MCB* or fuse is recommended.

— Connector lugs sized for wire 6 sq mm - 50 sq mm.

INSTALLATION INSTRUCTIONS

1 Verify line voltage by measuring L-N and L-L in your system. Confirm that the SPD is rated for your system by comparing it to the product label. The maximum continuous operating voltage (Uc) specifications must not be exceeded.

2 Identify proper location for SPD. Locate as close as physically possible to panel being protected. Mount securely. Mount as close to the electrical connection as possible avoiding excess distance and sharp bends in the wires. (Note: Refer to wiring diagram on SPD for appropriate connection points.)

3 Connect proper ground. All units must be grounded via a ground wire from the suppressor to the nearest ground lug. In isolated ground systems connect the isolated ground to the suppressor ground and remove the bond to the housing ground from the suppression element.

4 Connect neutral conductor. Measure and trim the neutral conductor to be as straight and short as possible. Connect the neutral conductor from the suppressor to the neutral lug in the panel on WYE systems.

5 Connect phase conductors. With the electrical power OFF, measure and trim the phase conductors to be as straight and short as possible, twist the phase conductors together $\frac{1}{2}$ turn for every 12 inches of conductor length. Never coil or push aside excess wire length.

Connect phase conductors from the suppressor to a properly rated overcurrent device according to the wire size being used. Overcurrent devices are rated as follows:

2.08 sq mm = 15 Amps	5.26 sq mm = 30 Amps
3.31 sq mm = 20 Amps	8.37 sq mm = 55 Amps



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* Definitions: SPD = Surge Protection Device • MCB = Miniature Circuit Breaker • RCD = Residual Current Device

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