



DITEK Corporation
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INSTALL INSTRUCTIONS

DTK-TSS3

This Surge Protection Device (SPD) is a high performance device, designed to provide protection for sensitive electronic loads connected to communication loop circuits that have been isolated from the public switched telephone network or where the SPD is directly connected to the electronic device. Maximum protection will only be achieved if the SPD is properly installed.

Please read and follow the installation instructions carefully.

NOTICE: This SPD should be installed by a licensed contractor in accordance with the National and Local Electrical Codes and the following instructions.

APPLICATION

Surge suppression for hardwired series installations on loop circuits or communication circuits in a NEMA 4X enclosure.

INSTRUCTIONS:

Caution: Measure all voltages to insure applied voltage does not exceed the voltage rating of the unit. Improper installation voids the warranty.

NEMA ENCLOSURE MOUNTING

Enclosure can be mounted directly on to a panel, frame, or other mounting surface through corner mounting holes. **Corner hole mounting is required to maintain the NEMA 4X rating.**

Punch holes in the enclosure as necessary for conduit placement. Use liquidtight connectors to maintain NEMA 4X rating.

DTK-2MHLP WIRING INSTRUCTIONS

1. Turn off the power at the circuit to be protected before beginning installation.
2. Connect ground to the ground terminal using a minimum of 14 AWG wire, make this conductor as short as possible.

Ground Resistance Rule: Max ground resistance is 25 Ohms, 5 Ohms or less is optimum.

This cannot be an assumed value and must be measured to assure proper grounding.

3. Connect the supply/field wiring to the **UNPROTECTED** side of the MB base. Connect the 1st pair to position 1+ and 1-, then the 2nd pair to position 2+ and 2-.
4. Connect the equipment wiring to the **PROTECTED** side of the MB base. Connect the 1st pair to position 1+ and 1-, then the 2nd pair to position 2+ and 2-.
5. Make sure the **UNPROTECTED** supply/field wiring and **PROTECTED** equipment wiring conductors do not occupy the same space or conduits.
6. Make sure the wire distance from the base to protected equipment is a minimum of 3' of conductor length. This can be a coiled service loop if necessary.

MODULE INSTALLATION

Insert the module into the base making sure the polarizing keys in the block are aligned with the notches cut into the edge card printed circuit board.

7. After all connections have been made and no hazards exist, restore power.

