INSTALLATION

INSTALL INSTRUCTIONS
DTK-2MHLPxxFWB Series, DTK-2MHLPxxBWB Series,
DTK-2MHTPWB, MB10, 2MB-5MB, and DTK-2MHLP Module

This Surge Protective 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 and grounded, by a licensed contractor, per the applicable requirements of the NEC and the following instructions. These devices are only to be employed on communication loop circuits which have been isolated from the Public Switched Telephone Network.

APPLICATION
DTK-MB10 base can be installed inside a 4"x4" electrical boxes and other locations where there is a space constraint. This base is available as a 1 up array (standard) or 2 through 5 up array for multiple pair terminations at one point of use. Specify DTK-2MB, 3MB, 4MB or 5MB for 2 through 5 up arrays.
DTK-2MHLPxxFWB surge module is for hardwired series installations for voltages ranging from 5-75 Volts on circuits that operate at less than 1 Amp.
DTK-2MHLPxxBWB surge module is for hardwired series installations for voltages ranging from 5-75 Volts on circuits that operate at less than 5 Amps.
DTK-2MHTP surge module is for hardwired series installations for dialer circuits and POTS lines for communication circuits.

INSTRUCTIONS:
Caution: Measure all voltages to insure applied voltage does not exceed the voltage rating of the unit. Improper installation voids the warranty.
MB BASE INSTALLATION
1. Turn off the power at the circuit to be protected before beginning installation.
2. Securely mount the snap track between the field wiring and your equipment to be protected. Use the two #8 screws provided to fasten the snap track.
3. 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.
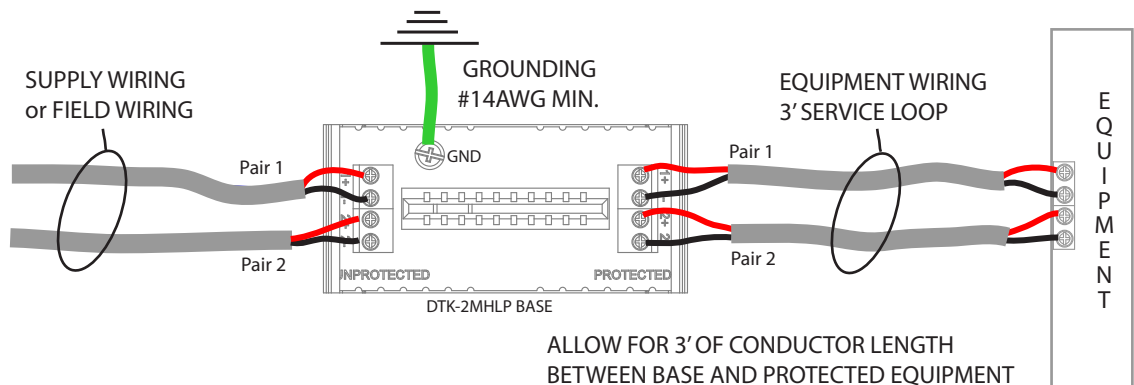This cannot be an assumed value and must be measured to assure proper grounding.
4. Connect the supply/field wiring to the **UNPROTECTED** side of the MB base. Connect the 1st pair to position 1+ and 1- , than the 2nd pair to position 2+ and 2-.
5. Connect the equipment wiring to the **PROTECTED** side of the MB base. Connect the 1st pair to position 1+ and 1- , than the 2nd pair to position 2+ and 2-.
6. Make sure the **UNPROTECTED** supply/field wiring and **PROTECTED** equipment wiring conductors do not occupy the same space or conduits.
7. Make sure the wire distance from the base to protected equipment is about 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.
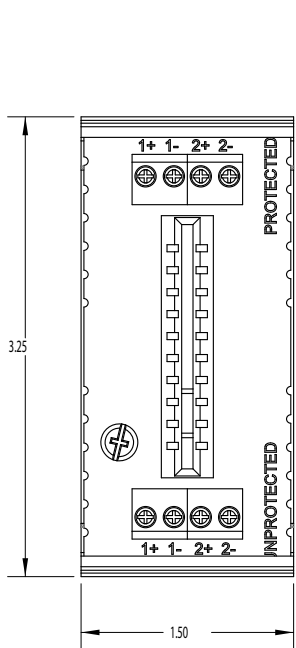8. After all connections have been made and no hazards exist, restore power.

SUPPLY WIRING or FIELD WIRING

GROUNDING #14AWG MIN.

EQUIPMENT WIRING 3' SERVICE LOOP

EQUIPMENT

GND

Pair 1

Pair 2

UNPROTECTED   PROTECTED

Pair 1

Pair 2

DTK-2MHLP BASE

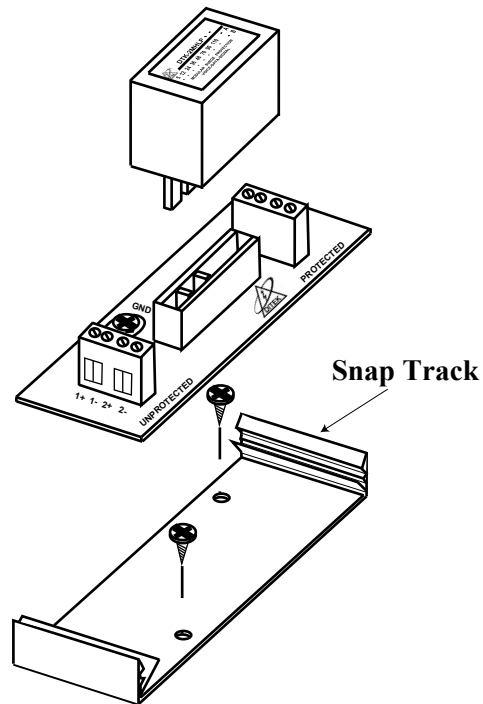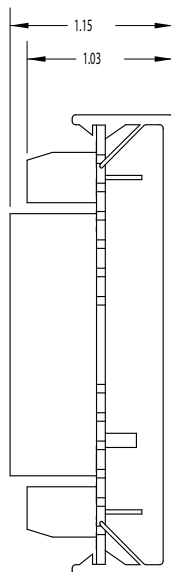ALLOW FOR 3' OF CONDUCTOR LENGTH BETWEEN BASE AND PROTECTED EQUIPMENT

INSTALL INSTRUCTIONS
DTK-2MHLPxxFWB Series, DTK-2MHLPxxBWB Series, DTK-2MHTPWB, MB10, 2MB-5MB, and DTK-2MHLP Module

Illustrations Page

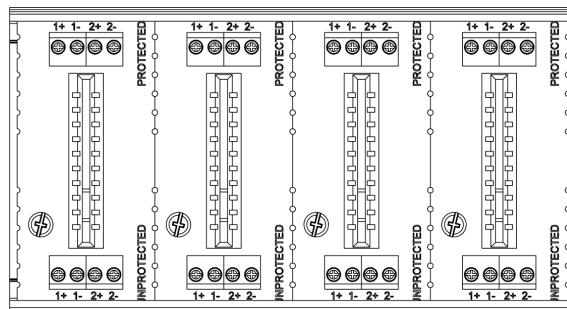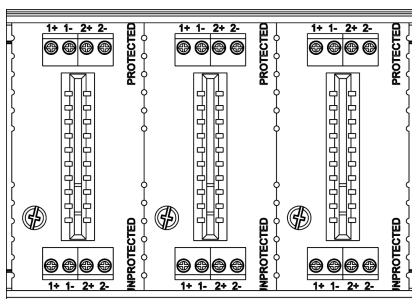**DTK-MB10**

Snap Track

DTK-2MHLPxxFWB
DTK-2MHLPxxBWB
DTK-2MHTPWB
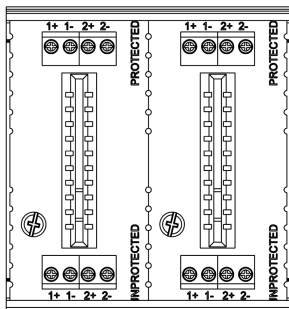
DTK-2MB

DTK-4MB

DTK-3MB

DTK-5MB

Drawn By: RMitchell 3-3-11
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DITEK Technical Support Available 24/7
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