



DITEK Corporation  
ONE DITEK CENTER  
1720 Starkey Road  
Largo, FL 33771

INSTALLATION

# INSTALL INSTRUCTIONS

**DTK-2MHLPxWB Series, DTK-2MHTPW, MB10, 2MB-5MB, DTK-MBS, DTK-MBV and DTK-2MHL P 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-MBS, DTK-MB10** base is for installations inside 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 to one point of use. Specify DTK-2MB, 3MB, 4MB or 5MB for 2 through 5 up arrays.

**DTK-MBV** base is for retro installations and new installations where conductors need to terminate horizontally across the base. This base is only available in a 1 up array.

**DTK-2MHL P** surge module is for hardwired series installations on voltages ranging from 5 - 75 Volt (DTK-2MHL P models only), 130 Volt (DTK-2MHTP model only) loop circuits or 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.

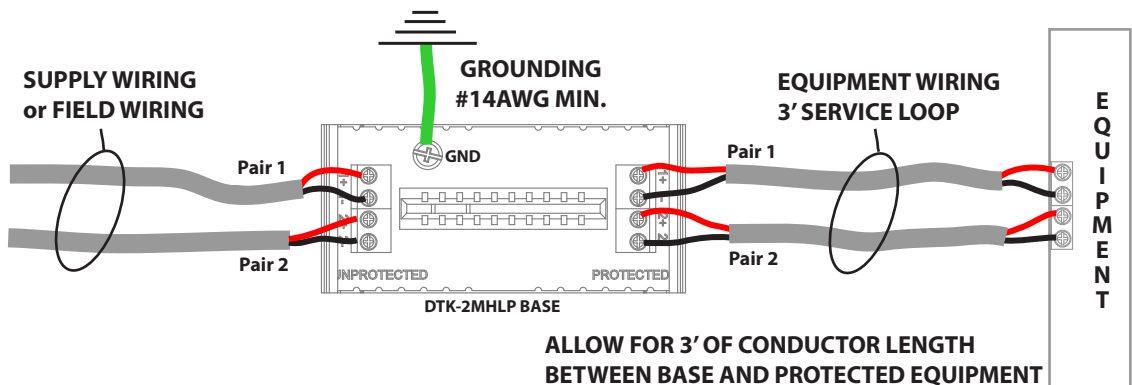
### MB/MBS/MBV BASE INSTALLATION

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.
4. Connect the supply/field wiring to the **UNPROTECTED** side of the MB/MBS/MBV base. Connect the 1st pair to position 1+ and 1- , then the 2nd pair to position 2+ and 2-.
5. Connect the equipment wiring to the **PROTECTED** side of the MB/MBS/MBV base. Connect the 1st pair to position 1+ and 1- , then 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 greater than the wire distance from the base to ground. Plan for about 3' of conductor length.

### 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.



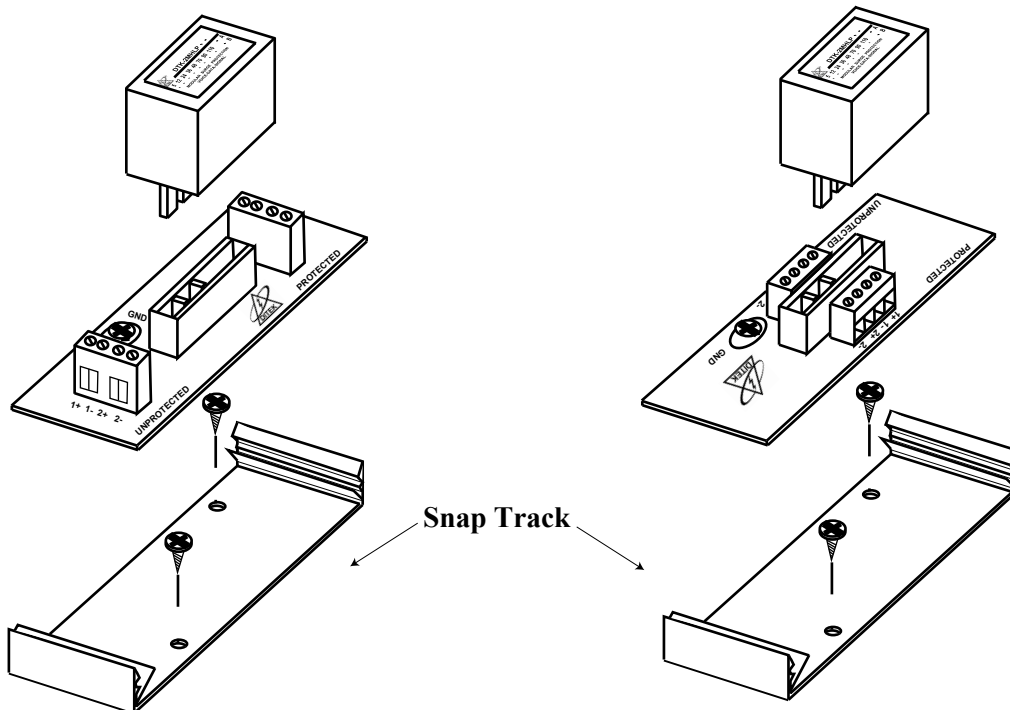


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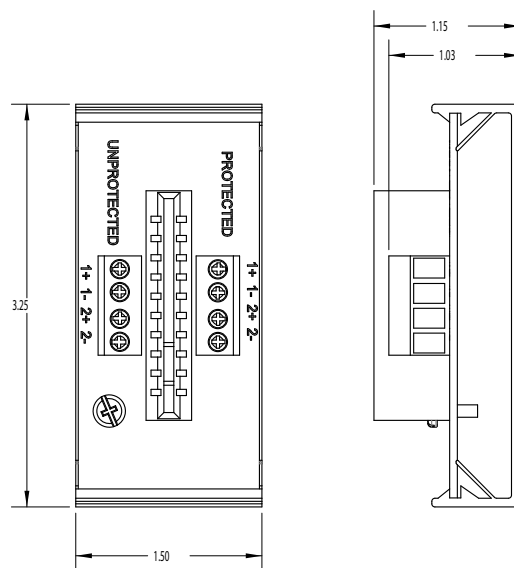
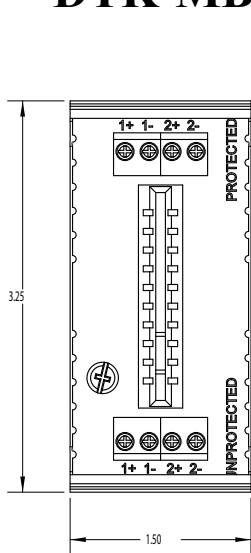
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## Illustrations Page



**DTK-2MHLPxWB**  
**DTK-MBS**

**DTK-MBV**



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