



DITEK Corporation
ONE DITEK CENTER
1720 Starkey Road
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INSTALL INSTRUCTIONS

DTK-MRJPOES / DTK-MRJETHS / DTK-MRJPOE

This Surge Protective Device (SPD) is a high performance device, designed to provide protection for sensitive electronic loads connected to service panels, fire panels, 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 these installation instructions carefully.

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

APPLICATION:

Surge suppression for IP or PoE circuits using Ethernet cable and RJ45 connectors.

INSTRUCTIONS:

Caution: Measure all voltages to insure applied voltage does not exceed the voltage rating of the unit. Improper installation voids the warranty. This unit must be connected in series with the equipment to be protected.

1. Turn off the power to the circuit before beginning installation.
2. Using an RJ45 tipped supply/patch cable, connect the cable assembly to the "IN" side of the DTK unit.
3. Using a 3' RJ45 tipped patch cord, connect the equipment to the "OUT" side of the DTK unit.
4. Connect a minimum 14AWG ground lead to the ground terminal on the DTK unit. Make sure the ground wire is 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.

5. For mounting, use the double sided tape (supplied), or two #8 screws (not supplied).

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

NOTE: For models ending in "S", the grounding detail is not applicable when using STP (Shielded Twisted Pair), with properly tipped shielded RJ45 connectors that have been terminated at a properly mounted and grounded shielded rack mount surge protector. The shield is used to dissipate the excess overvoltage. For DTK-MRJETHS, shielded single channel Ethernet protector, use with DTK-RMxxNETS shielded rack mount multi-channel protector. For DTK-MRJPOES, shielded single channel PoE protector, use DTK-RMxxNETS shielded rack mount multi-channel protector. The DTK-RMxxNETS is available in **12**, **16** or up to **24** channels of Network protection.

