



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

# INSTALL INSTRUCTIONS

## DTK-MRJEXTS

This Surge Protection 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 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 PoE Extender 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 the RJ45 tipped supply/patch cable ran between the PoE Extenders, disconnect the cable from the output, of the camera side, PoE Extender and plug it into the "IN" side of the DTK-MRJEXTS.
3. Using a 3' RJ45 tipped patch cord, connect the output side of the PoE Extender to the "OUT" side of the DTK-MRJEXTS.
4. Using the RJ45 tipped supply/patch cable ran between the PoE Extenders, disconnect the cable from the output, of the head end equipment side, PoE Extender and plug it into the "IN" side of the DTK-MRJEXTS.
5. Using a 3' RJ45 tipped patch cord, connect the the output side of the PoE Extender to the "OUT" side of the DTK-MRJEXTS.
6. Connect the ground lead to the ground terminal on the DTK-MRJEXTS. Make sure the ground wire is as short as possible.

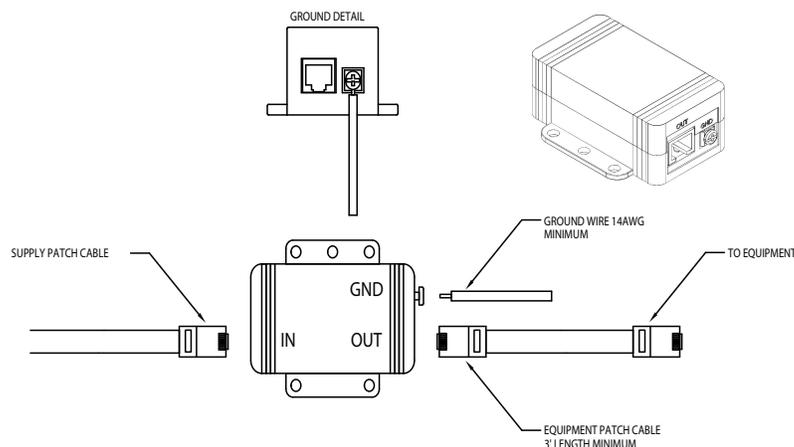
**Ground Resistance Rule:** Max ground resistance is 25 Ohms, 5 Ohms or less is optimum.

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

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

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

**Note:** The grounding detail is not applicable when a shielded protector using STP (Shielded Twisted Pair), with properly tipped shielded RJ45 connectors, has been terminated at a properly mounted and grounded shielded rack mount surge protector. The shield is used to dissipate the excess overvoltage. For DTK-MRJPOES or DTK-MRJEXTS use the DTK-RM12POES, or DTK-RM24POES shielded rack mount multi-channel protectors.





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