DITEK

INSTALL INSTRUCTIONS
DTK-MRJ45C5e / DTK-MRJPOE
DTK-MRJETHS / DTK-MRJPOES

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 IP or PoE circuits using CAT 5e 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.
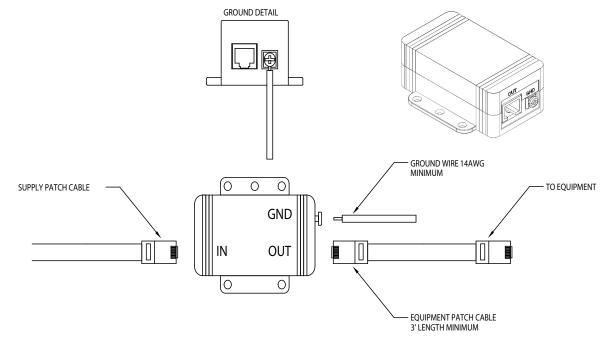This unit must be connected in series with the equipment to be protected.

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 MRJ.
3. Using a 3' RJ45 tipped patch cord, connect the equipment to the "OUT" side of the MRJ.
4. Connect the ground lead to the ground terminal on the MRJ. Make sure the ground wire is as short as possible.

Ground Resitance 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 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) which 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-MRJETHS, shielded single channel protector, use DTK-RM12ETHS, shielded rack mount multi-channel protector. For DTK-MRJPOES, shielded single channel protector, use DTK-RM12POES, shielded rack mount multi-channel protector.
(For Ethernet use ETHS devices, for POE use POE devices).

GROUND DETAIL

SUPPLY PATCH CABLE

GND

IN   OUT

GROUND WIRE 14AWG MINIMUM

TO EQUIPMENT

EQUIPMENT PATCH CABLE 3' LENGTH MINIMUM

Drawn By: B. Aycock 5-19-16
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DITEK Technical Support Available 24/7
1-888-472-6100 www.ditekcorp.com

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