



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

INSTALL INSTRUCTIONS

DTK-RM16NM

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 the installation instructions carefully.

NOTICE: This SPD should be installed and grounded, by a licensed contractor, per the applicable requirements of the NEC. These devices are only to be employed on the communication loop circuits which have been isolated from the Public Switched Telephone Network.

APPLICATION

Surge suppression for rack mount analog CCTV video systems.

This device is intended for indoor use or intended for outdoor use within an enclosure which has been evaluated for the application.

INSTRUCTIONS

Note: This device is intended to be installed indoors on the equipment rack closest to the point of use.

1. Test circuit prior to install to verify correct operation.
2. Turn off the power to the equipment to be protected.
3. This device can be mounted in a standard 19" equipment rack, wall mounted using the pre-punched mounting holes or desk top mounted using the peel and stick rubber feet, included.
4. Connect to equipment ground using the ground lug provided on rear of faceplate. Use a minimum #14 AWG wire. Make sure the ground wire is as short as possible.

Make sure the ground wire length is less than the jumper wires to the protected equipment.

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. Connect the BNC cable from the field or supply wiring to the "IN UNPROTECTED" connector.
6. Connect a 3' BNC to BNC patch cable from the "OUT PROTECTED" connector to the equipment to be protected. This will give this device time to react.
7. After all connections have been made and no hazards exist, restore power to the equipment.

Surge Module Replacement: This product is made up of 4 individual surge modules of 4-channels each. If 1 or more channels self sacrifice, you can replace that module as follows.

1. Power down the equipment before servicing this device.
2. Disconnect the ground wire from the ground lug located on the rear of the enclosure.
3. Remove the enclosure from its mounting and place on a flat surface.
4. Remove 4 screws holding front and rear cases together. Save these screws.
5. Remove the hardware from the specific module with the bad port or ports, remove module. Be careful to save all hardware.
6. Insert new surge module into opening aligning BNC connectors. The orientation should match the previous module.
7. Replace hardware and tighten all connections.
8. Join front and rear cases together and fasten with the screws previously removed.
9. Re-connect the ground wire to the ground lug on the rear of the enclosure.
10. Mount the enclosure as desired.
11. After all connections have been made and no hazards exist, restore power to the equipment.

DITEK Technical Support Available 24/7

1-888-472-6100

www.ditekcorp.com

Drawn By: K. Nguyen 5-17-16
Approved By: R. Mitchell 6-23-16

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INSTALLATION



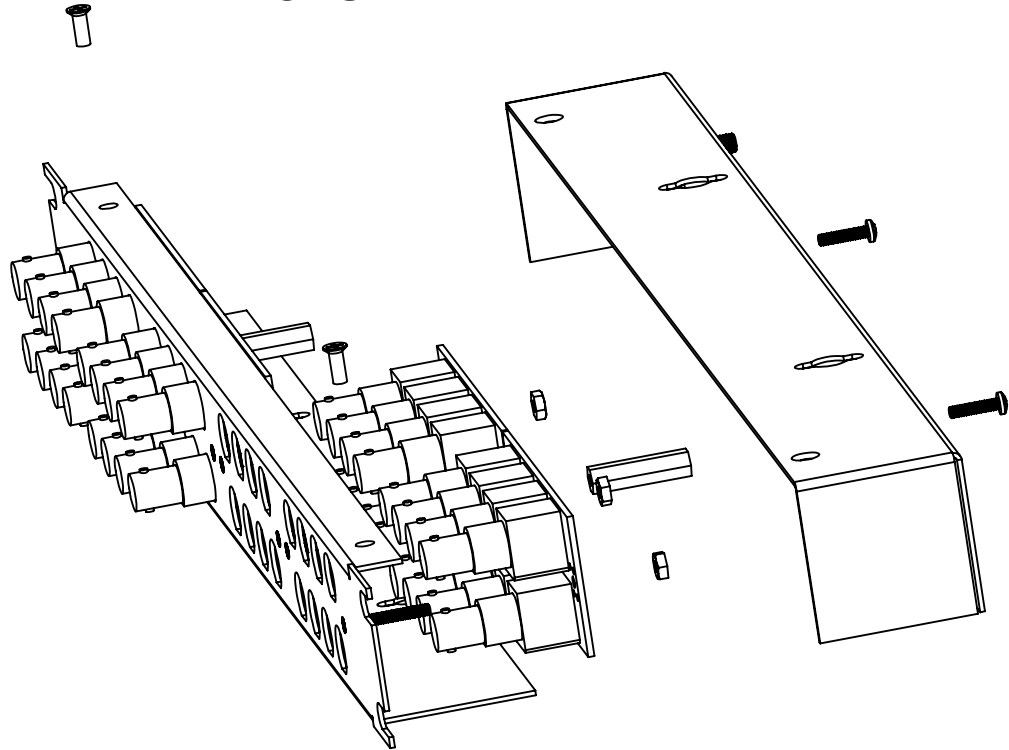
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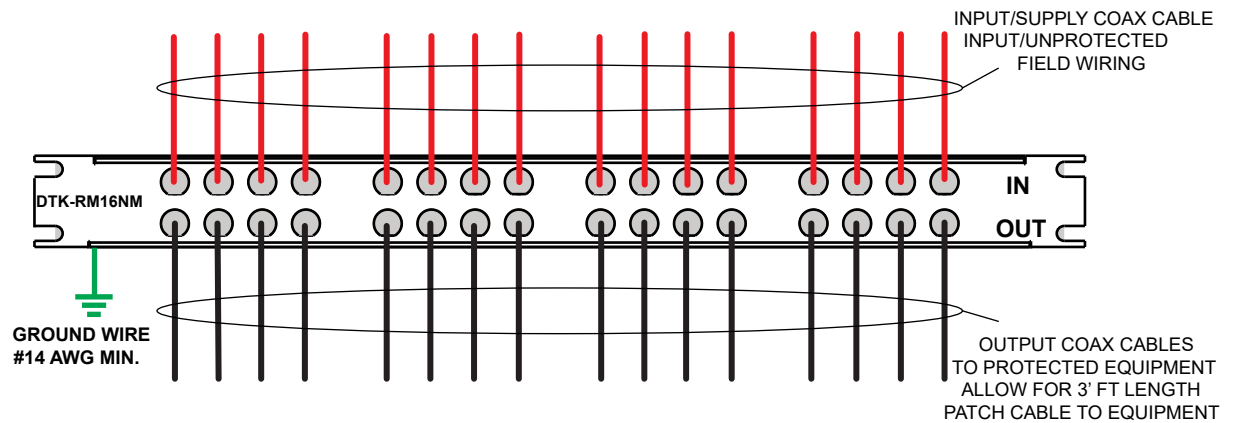
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Illustrations Page

EXPLODED VIEW OF MODULE REPLACEMENT



WIRING DIAGRAM



INSTALLATION