



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

# INSTALL INSTRUCTIONS

## DTK-RM16POC

This Surge Protective Device (SPD) is a high performance device, designed to provide protection for sensitive IP cameras connected via PoE and Ethernet Extenders over legacy coaxial cable. 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 communication loop circuits which have been isolated from the Public Switched Telephone Network.

### APPLICATION

Surge suppression for IP cameras using Ethernet and POE Extenders over Coax with BNC connections. Locate at the head end prior to the Base Modules to protect up to 16 channels.

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

**Note:** (2) devices are required per each video feed or cable run.

(1) 6' maximum, BNC patch cable is needed for each channel (not supplied).

### INSTRUCTIONS:

Caution: Measure all voltages to insure applied voltage does not exceed the voltage rating of the unit. Improper installation voids the warranty.

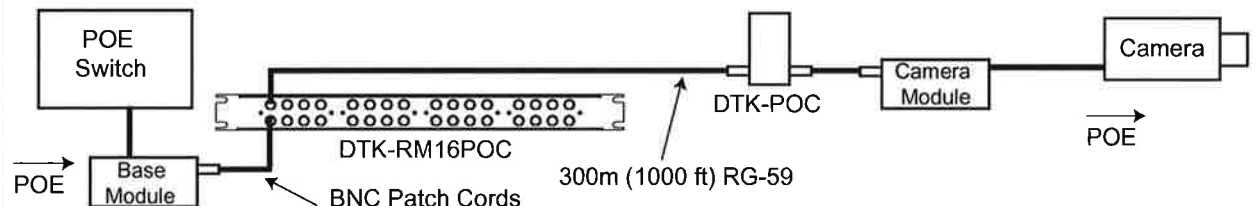
This unit must be connected in series with the equipment to be protected.

1. Connect the incoming coaxial feed normally intended for the Base side conversion module's input to the "IN" BNC connector on the DTK-RM16POC device.
2. Connect a, 6' maximum, BNC patch cable from the DTK-RM16POC device "OUT" to the Base side conversion module input.
3. Always have one common ground per system to eliminate the possibility of a differential in ground potentials.

**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.

4. For mounting, use double sided tape (supplied), or two (2) #8 screws (not supplied).



**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

Revised By: R.Mitchell 9-30-14  
Approved By: H.Tu 9-30-14

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INSTALLATION



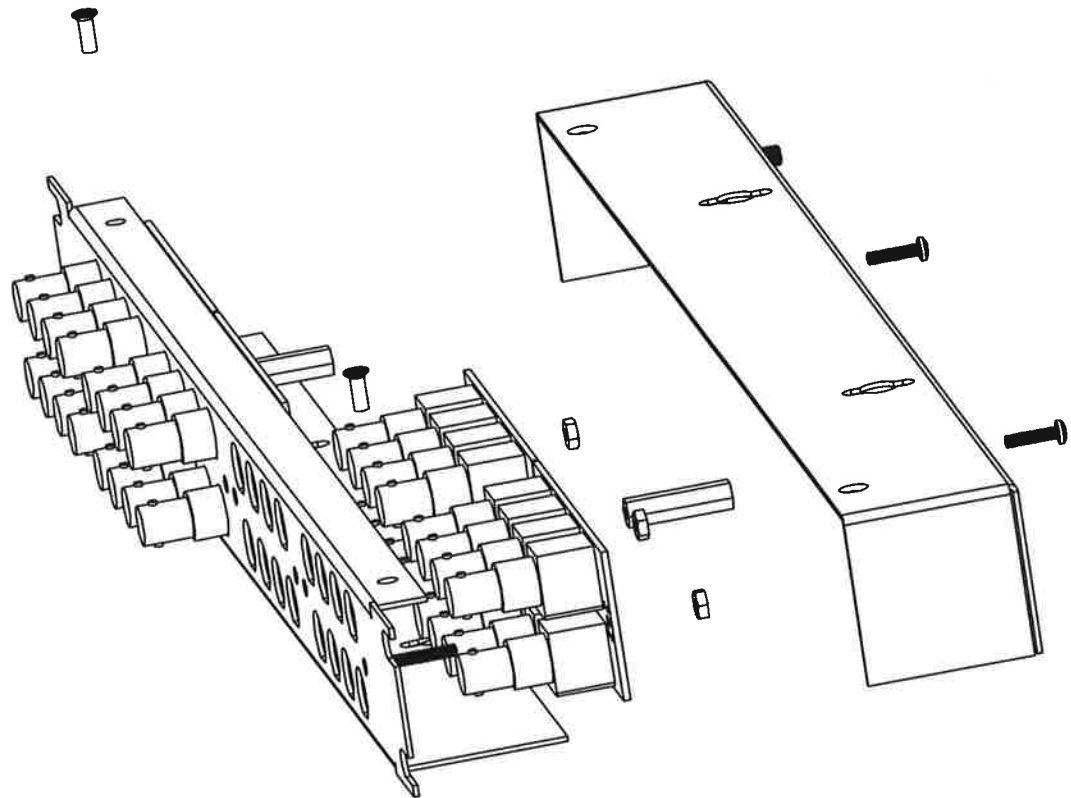
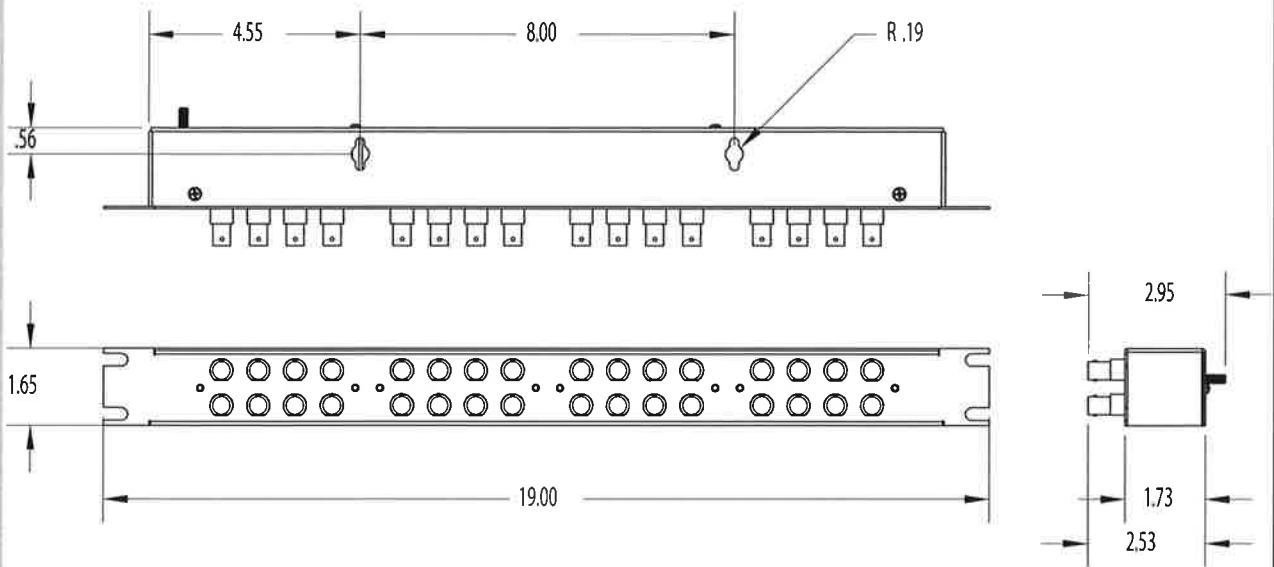
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### Illustrations Page

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