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# INSTALL INSTRUCTIONS

## DTK-POC

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

**Note:** Two devices are required per each video feed or cable run.  
Two 3' BNC patch cables are needed for this install (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 Camera side conversion module's BNC input to the "IN" BNC connector on the DTK-POC.
2. Connect a 3' patch cable from the DTK-POC "OUT" to the Camera side conversion module's input.
3. Connect the incoming coaxial feed normally intended for the Base side conversion module's input to the "IN" BNC connector on the 2nd DTK-POC device.
4. Connect a 3' BNC patch cable from the 2nd DTK-POC device's "OUT" to the Base side conversion module input.
5. 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.

6. For mounting, use double sided tape (supplied), or two (2) #8 screws (not supplied).
- Note: Depending on the length of network cable from the Base Module to the POE switch, or from the Camera Module to the camera, additional protectors may be necessary. At these points we recommend using our DTK-MRJPOE to cover any gaps in protection that may be created when long POE wire runs are used between Switch and Base Module and Camera and Camera Module.

