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# INSTALL INSTRUCTIONS

## DTK-4LVTEP

This Surge Protective Device (SPD) is a high performance device, designed to provide protection for sensitive electronic loads connected to communication loop circuits that have been isolated from the public switched telephone network 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 and the following instructions. 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 low voltage telephone entry systems, such as commercial gate entry systems, using a screw terminal connection.

### INSTRUCTIONS:

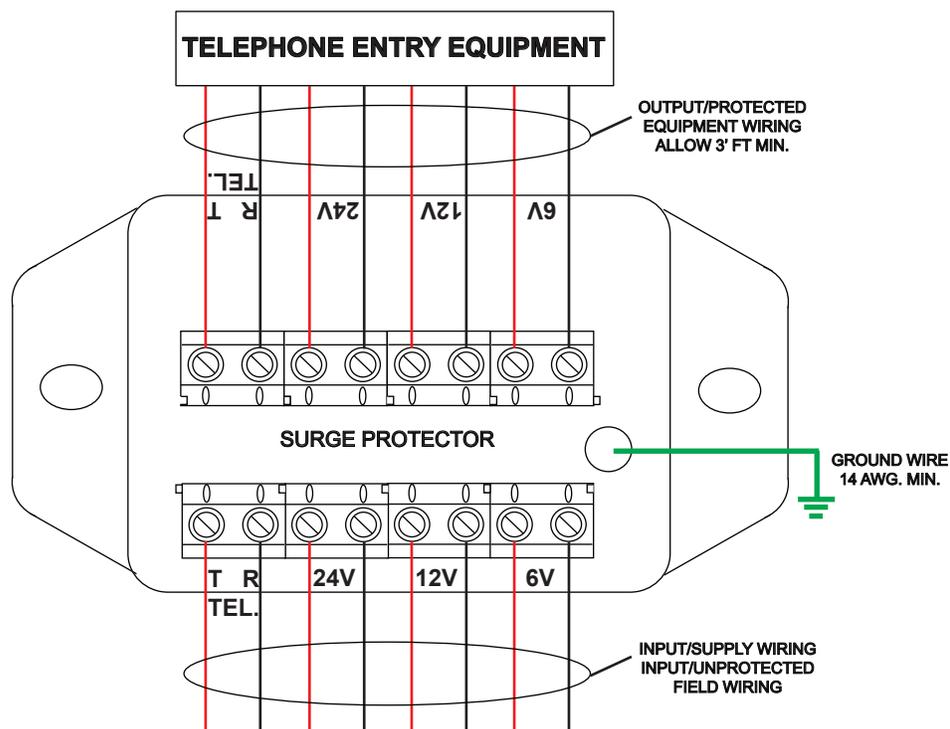
**Caution:** Measure all voltages to insure applied voltage does not exceed the voltage rating of the unit. Improper installation voids the warranty.

1. Before beginning installation, disconnect power to the circuit.
2. This device must be connected in series between the SUPPLY wiring and the equipment to be protected.
3. Securely mount the base close to the circuit being protected using the double sided tape (supplied), or two #8 screws (not supplied).
4. Make sure the grounding wire is as short as possible.
5. Use 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. Connect the INPUT/SUPPLY wiring to the INPUT side of the SPD, make sure to follow the designated voltage inputs and outputs as referenced on the product labeling and the diagram below.
7. Connect the OUTPUT/PROTECTED wiring from the OUTPUT side of the SPD to the protected equipment.
8. Allow the surge protector reaction time by providing 3' minimum wire distance between the SPD and the equipment to be protected.
9. After all connections have been made and no hazards exist, restore power.



INSTALLATION