



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

INSTALL INSTRUCTIONS

DTK-120/240SA

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 by a licensed contractor in accordance with the National and Local Electrical Codes and the following instructions.

APPLICATION

Type 1 SPD, Type 2 SPD for hardwired parallel installations on 120/240 VAC split phase circuits.

INSTRUCTIONS:

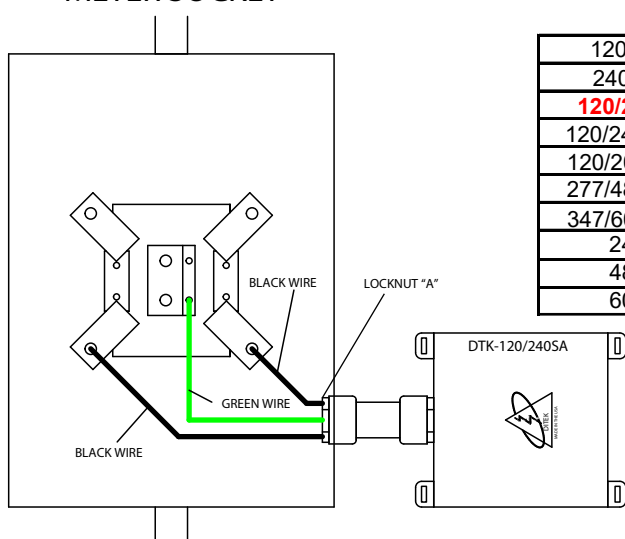
Caution: Measure all voltages to insure applied voltage does not exceed the voltage rating of the unit. Improper installation voids the warranty.

NOTE: Suitable for use on a circuit capable of delivering not more than 100,000 rms symmetrical Amperes.

This SPD Contains no serviceable parts.

1. Disconnect power to the meter base before beginning installation.
 2. Remove the front cover and the meter from the meter base.
 3. Remove 1/2" knockout on side of meter base.
 4. Make sure the leads are as short as possible with the ground wire being the shortest of all.
 5. Unscrew locknut "A" from the Push-On Connector. The flexible conduit between the connectors can be cut down to size as necessary. See the Illustrations Page on the back side of this document for more information.
 6. Feed all wires and the DTK-120/240SA nipple through knockout hole then through nut, tighten nut securing the unit.
 7. Connect the Ground wire (Green) to the Ground bus making sure the ground wire is as short as possible.
- 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.
8. Connect the Phase wires (Black) to the 2 outputs of the meter base.
 9. Securely mount the enclosure using the mounting feet located at each corner.
 10. After all connections have been made and no hazards exist, replace meter and cover, restore power.
 11. This device features an internal protection that will disconnect the surge protective component but will maintain power to the load - now unprotected. If this situation is undesirable for the application, follow the manufacturer's instructions for replacing the device.

METER SOCKET



Expected System Voltages

| | L - L | Hi-L-G,N | L - G | L - N | N - G |
|-------------------------|------------|-----------|--------------------|-----------|----------|
| 120V Single Ø | NA | NA | 120 | 120 | 0 |
| 240V Single Ø | NA | NA | 240 | 240 | 0 |
| 120/240V Split Ø | 240 | NA | 120 | NA | 0 |
| 120/240V Hi Leg Δ | 240 | 240 | 120 | 120 | 0 |
| 120/208V 3 Ø Wye | 208 | NA | 120 | 120 | 0 |
| 277/480V 3 Ø Wye | 480 | NA | 277 | 277 | 0 |
| 347/600V 3 Ø Wye | 600 | NA | 347 | 347 | 0 |
| 240V 3 Ø Δ | 240 | NA | 240 _{Max} | NA | 0 |
| 480V 3 Ø Δ | 480 | NA | 480 _{Max} | NA | 0 |
| 600V 3 Ø Δ | 600 | NA | 600 _{Max} | NA | 0 |

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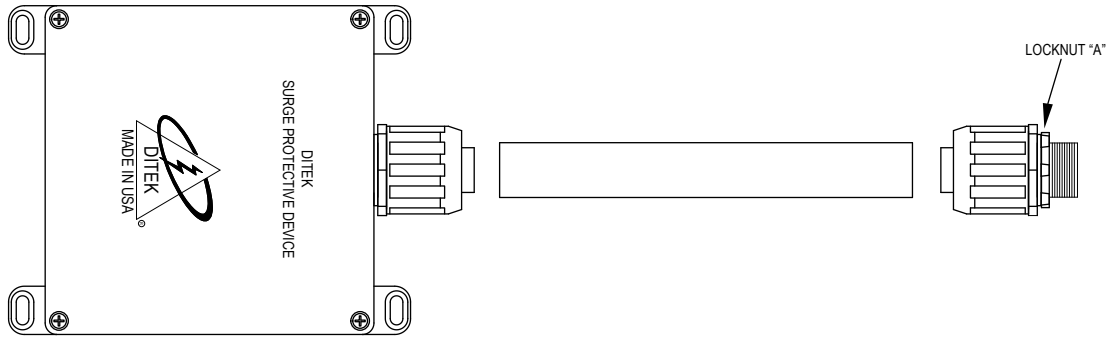
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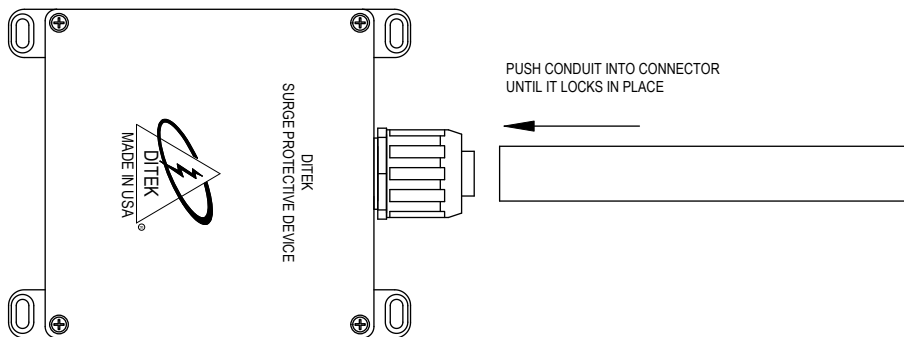
Illustrations Page

INSTALLATION

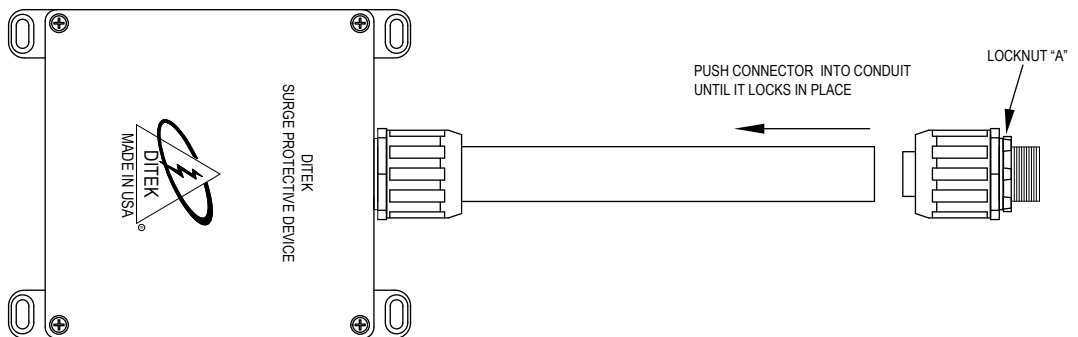
STEP 1



STEP 2



STEP 3



STEP 4

