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

INSTALLATION

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 qualified electrician 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.

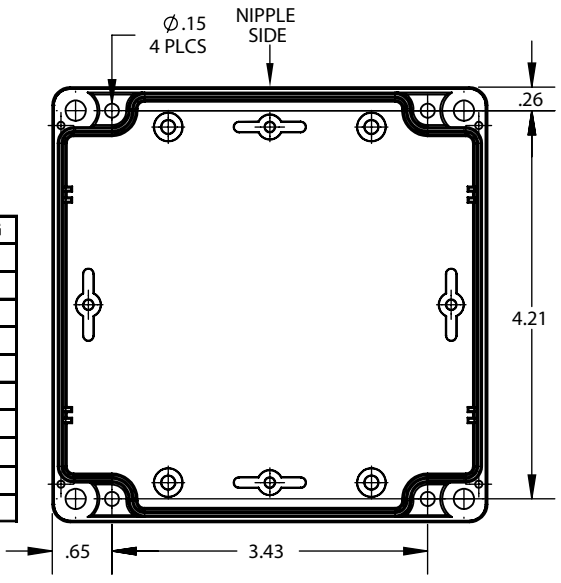
NOTE: Suitable for use on a circuit capable of delivering not more than 100,000 rms symmetrical Amperes.

This SPD Contains no serviceable parts.

1. Turn off the power at the circuit breaker or main before beginning installation.
2. Remove the front cover from the panel.
3. Remove 1/2” knockout on side of panel box.
4. Make sure the leads are as short as possible with the ground wire being the shortest of all.
5 Unscrew nut from unit.
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 buss 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 output of the meter base.
9. After all connections have been made and no hazards exist, replace cover and restore power.
10. 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.

Expected System Voltages

	L - L	HiL-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	120	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	240Max	NA	0
480V 3 Ø Δ	480	NA	480Max	NA	0
600V 3 Ø Δ	600	NA	600Max	NA	0



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DITEK Technical Support Available 24/7
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