



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

INSTALL INSTRUCTIONS

DTK-120HW

This Surge Protection 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

Surge suppression for hardwired parallel installations on 120 VAC single branch circuits.

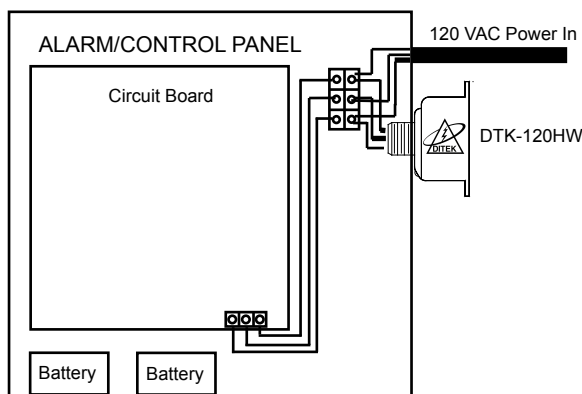
INSTRUCTIONS:

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

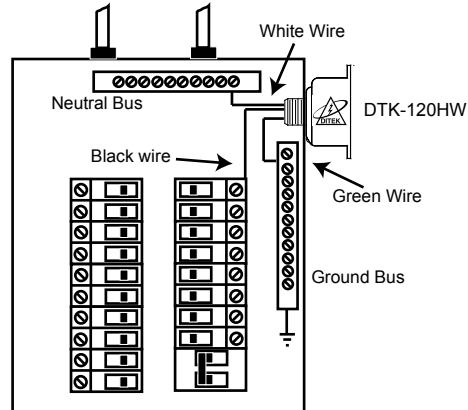
1. Turn off the power at the circuit breaker or main before beginning installation.
 2. If necessary, remove front cover from the panel.
 3. Remove 1/2" knockout on side of panel box.
 4. Unscrew nut from unit.
 5. Feed all wires and the DTK-120HW nipple through knockout hole then through nut, tighten nut securing the unit as shown.
 6. For **alarm/control panel installation**, refer to diagram #1. In this application, make sure the leads are as short as possible to the connection point (isolated lugs or terminal). Also, allow the unit reaction time by allowing no less than 2' of conductor length between the 120HW and the panel it is protecting.
 7. For **electrical panel/disconnect installation**, refer to diagram #2. In this application, connect the DTK-120HW to the load side of the fuse or circuit breaker. Also, make sure the leads are as short as possible with the ground wire being the shortest of all.
- 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. After all connections have been made and no hazards exist, restore power.
 9. This device is suitable for use on a circuit capable of delivering not more than 10,000 rms symmetrical amps, 120 volts maximum when protected by a 20 ampere circuit breaker rated 120/240 volts maximum. The interrupting rating of the fuse or circuit breaker shall not be less than the available fault current.

NOTE: The LED on the unit must be on, if the LED is off than surge protection is compromised and the unit must be replaced.

**ALARM/CONTROL PANEL INSTALLATION
DIAGRAM #1**



**ELECTRICAL PANEL/DISCONNECT INSTALLATION
DIAGRAM #2**



DITEK Technical Support Available 24/7
1-888-472-6100
www.ditekcorp.com

Doc # INT-100008-001
Part No. 191509 Rev. 2

Drawn By: J. Ramirez 11-06-07
Approved By: R. Mitchell 11-06-07