



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

# INSTALL INSTRUCTIONS

## DTK-RM12FP

This Surge Protective Device (SPD) is a high performance device, designed to provide protection for sensitive electronic loads where the SPD is directly connected to the electronic device. Maximum protection will only be achieved if the SPD is properly installed and grounded. Please read and follow all instructions carefully.

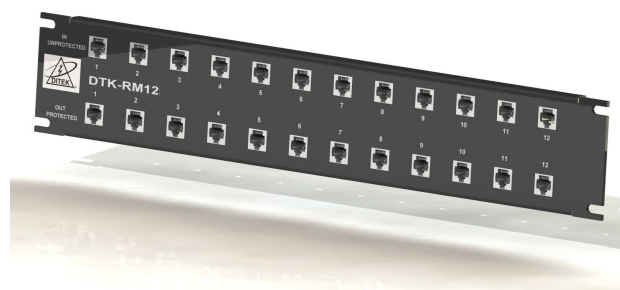
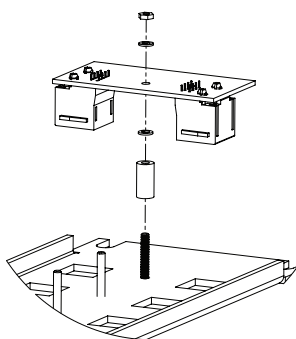
**NOTICE:** This SPD should be installed by a qualified electrician in accordance with the National and Local Electrical Codes and the following instructions.

### APPLICATION

Surge suppression for analog, digital, and high speed data circuits all terminating at the same point of use using RJ45 interfaces. This device is designed for rack mount, back plane mount or on a hinged wall mount bracket. This design allows you to mix and match up to 12 ports per face plate.

### SURGE MODULE INSTALLATION INSTRUCTIONS:

1. Lay DTK-RM12FP faceplate face down on a flat surface with the ground lug on the left hand side next to port 12.
2. Select the desired module and its desired position number (1-12)
3. Remove hardware kit and surge module from plastic bag.
4. Place the silver spacer onto the threaded standoff.
5. Place split (lock) washer on top of silver standoff.
6. Place surge module pc board over threaded standoff with the 4 solder points to the bottom left hand corner. Make sure the RJ connectors and threaded standoff line up with their perspective holes and seat properly.
7. Place 2nd split (lock) washer over threaded standoff.
8. Place the hex-nut over the threaded standoff. using a 3/16" hex socket, tork the nut to 10 Inch Pounds Maximum.
9. Turn the DTK-RM12FP over.
10. Use the circuit identification label supplied with your hardware kit and apply to the front face of your DTK-RM12FP under that surge module's corresponding port number.
11. Repeat these steps for each additional surge module or to replace a module that has self sacrificed.



### WIRING INSTRUCTIONS:

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

This unit must be connected in series with the field wiring and the equipment to be protected.

1. Connect a #10 AWG minimum gage ground wire to the ground lug on back of face plate and connect this to an appropriate ground point.
2. Mount this device using your preferred method of install.
3. Connect the incoming wires to the "IN" connector.
4. Connect a minimum CAT5e patch cable from the "OUT" connector to the equipment to be protected.

**Note:** 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.**