



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

# INSTALL INSTRUCTIONS

## DTK-RM12TLC

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 the Rouland-Borg Telecenter VI circuits.

### INSTRUCTIONS:

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

This unit must be connected in series with the equipment to be connected.

1. Properly mount the DTK-RM12TLC to the rack being used.
2. Connect the incoming (Field) wires to the 110 Block on the back of the DTK-RM12TLC.
3. Connect a CAT 5e/6 patch cable from the RJ45 output connector of the DTK-RM12TLC to the input of the patch panel (not provided by DITEK Corp.)
4. Ground the DTK-RM12TLC with a 14 AWG (min.) wire.


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.

### RJ45 Pin Layout

Telco circuit - Pins 4 (Blue) & 5 (Blue/White)  
Speaker - Pins 1 (Orange/White) & 2 (Orange)  
Clock circuit - Pins 7 (Brown/White) & 8 (Brown)  
Emerg. Call - Pins 3 (Green/white) & 6 (Green)

### 110 Block Pin Layout

	BROWN
	BROWN/WHITE
	GREEN
	GREEN / WHITE
	ORANGE
	ORANGE / WHITE
	BLUE
	BLUE / WHITE

INSTALLATION

DITEK Technical Support Available 24/7

1-888-472-6100

[www.ditekcorp.com](http://www.ditekcorp.com)

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