

Surge Protection Device Model # TPD-SAT1, TPD-SAT2

SAT Series

IOM: Installation Operation & Maintenance Manual

WARRANTY STATEMENT

During the applicable warranty period, any Transient Protection Design™ device which fails due to defect in materials, workmanship, or any transient event, including lightning, shall be repaired or replaced at TPD's discretion without charge. In the event of a return the device must be shipped FOB TPD place of business within the applicable warranty period. The applicable warranty period for the TPD surge protective device is outlined below in the Warranty Period section. The warranty period for any repaired devices or replacement devices will be only the remaining portions of the original limited warranty.

A Return Material Authorization (RMA) number must be obtained from the Company's Customer Service department before returning any Products.

The Company shall have no liability under this warranty for problems or defects directly or indirectly caused by misuse of the Product, alteration of the Product (including removal of any warning labels), accidents, improper installation, application, operation or improper repair of the Product.

THIS WARRANTY REPRESENTS THE ENTIRE WARRANTY OF THE COMPANY. ALL OTHER WARRANTIES EXPRESS OR IMPLIED, ORAL OR WRITTEN, INCLUDING, BUT NOT LIMITED TO, THE WARRANTIES OF MERCHANT ABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY DISCLAIMED.

The liability of the Company, at its sole option, under this warranty is expressly limited to the replacement or repair of the defective part thereof. IN NO EVENT SHALL THE COMPANY BE LIABLE OR RESPONSIBLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY KIND OR CHARACTER, NOR SHALL ITS LIABILITY EVER EXCEED THE PURCHASE PRICE PAID TO COMPANY FOR SUCH DEFECTIVE PRODUCT.

This warranty is not transferable and may only be enforced by the original end user. Claims under this warranty must be submitted to Transient Protections Design within thirty (30) days of discovery of any suspected product defect.

Model#	Warranty Period
TPD-SAT1	TenYears Unlimited Free Replacement
TPD-SAT2	TenYears Unlimited Free Replacement

SAVE THESE INSTRUCTIONS

Note: If devices are received damaged, notify the shipping company immediately. Retain containers and packing materials for inspection.

NOTE 1: AC breaker panel protection is recommended when using data protection. Data protection diverts or dumps excess energy from data lines into the power grounding system. By strategically protecting branch breaker panels with the TPX, surge events will once again be equalized and safely contained at the breaker panel.

CAUTION—IMPORTANT SAFETY INFORMATION

- Never install surge suppression during a lightning storm.
- This product is for INDOOR USE ONLY. INSTALL IN WEATHERPROOF ENCLOSURE FOR OUTDOOR USE.
- The below suppressors are intended for use as protectors for low voltage signal, data and communication lines.
- Read and understand all instructions prior to installation and operation.

INSTALLATION

TPD-SAT- SATELLITE TV INTERFACE MODULE

1. The TPD-SAT2 coaxial unit has an integrated mounting bracket.
2. **Indoor Mounting:** This unit is equipped with two integrated compression ground lugs. With the threaded coaxial cable connectors facing down, locate the upper-left integrated compression ground lug. This lug is for grounding the satellite arm to the TPD-SAT2 unit. With the threaded coaxial cable connectors facing down, locate the lower-right integrated compression ground lug. This lug is for grounding the TPD-SAT2 unit to the main electrical service grounding electrode. Both ground conductors should be 14AWG copper wire. Care should be taken to insure that both grounding conductors are tight and secure and run as straight as possible from point-to-point with no kinks or sharp bends.
3. **Outdoor Mounting:** For outdoor mounting installations use **weatherproof enclosure** and secure the unit to the fascia of the home within four feet of the main electrical service entrance as per the NEC. Insure that both threaded cable connectors are facing down as this will inhibit moisture from penetrating the connection. Ground the unit using the integrated ground compression lug. Attach a 14AWG minimum copper conductor from the unit's ground lug to the main electrical service grounding electrode.
4. Connect the coaxial line #1 & line #2 side (unprotected satellite feed) to the threaded "Cable In" sides of the TPD-SAT2 unit. Connect your equipment lines #1 & #2 side (protected) to the threaded "Cable Out" sides of the TPD-SAT2 unit.

GROUNDING

5. Connect an AWG # 14 ground wire from the unit's ground stud and secure it to the nearest available system ground. The unit's ground lug must be connected to the ground AC reference used by the system being protected. In some environments, this ground point may be the ground bar in the AC power panel or low voltage equipment electrical ground.

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INSTALLATION CONTINUED

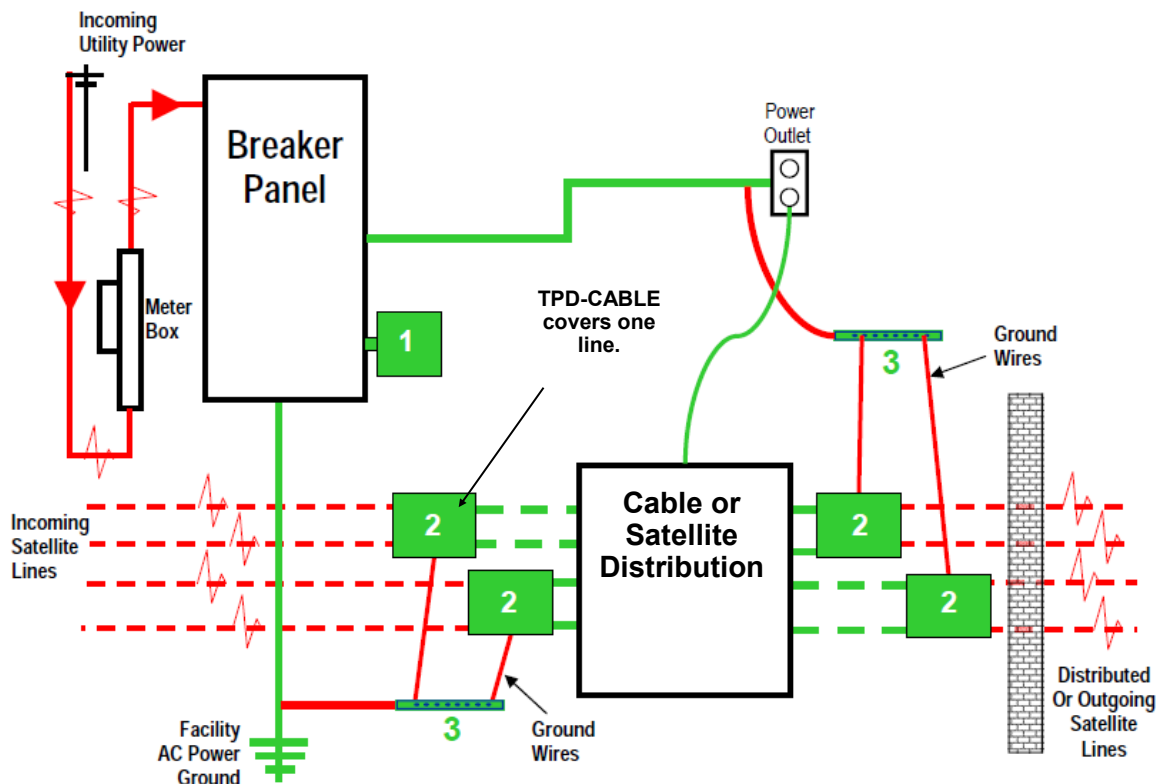
GROUNDING PERFORMANCE NOTE

6. Ground leads should be as short and as straight as possible. The shorter the ground wire the lower the impedance. Minimize ground wire lead length to the cm/inch. It is always best to test grounds to verify their existence before relying on them to protect equipment.

NO INDEPENDENT GROUNDS *****

7. Surge devices must not be connected to ground points that are independent of AC ground, but should be grounded for optimum performance. The TPD-CABLE and TPD-SAT2 do not have to be grounded in order to provide protection. For multiple building locations when cable or satellite signals are boosted and distributed from one locations consider using TPD-GLSF series. Please refer to appropriate design drawings for additional grounding information or contact technical support at 888-281-7856.

NOTE 2: The protected device/equipment should also have AC protection because it is still vulnerable to transients on or from the power lines. Omitting AC protection poses a continued threat of failure and lockup at the communication interface.



CABLE Protection List

- #1 TPX-1S240-F
- #2 TPD-Cable
- #3 TPD-GRD