

WARRANTY STATEMENT

During the applicable warranty period, any Total Protection Solutions™ surge protector device which fails due to defect in materials, workmanship, or any electrical anomaly, including lightning, shall be repaired or replaced at TPS's discretion without charge. In the event of a return the device must be shipped FOB TPS place of business within the applicable warranty period. The applicable warranty period for the TPS 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 purchaser. Claims under this warranty must be submitted to Total Protection Solutions, LLC. within thirty (30) days of discovery of any suspected product defect.

Warranty Period

TK-CT2-CABLE , TK-CT2-SAT2
& TK-CT2-190TLP4-RJ-T1/E1

Residential:

Lifetime Unlimited Free Replacement
Warranty for the original purchaser only.

Commercial:

Ten Years Unlimited Free Replacement

SAVE THESE INSTRUCTIONS

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

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ComTrack™

Surge Protection Device

ComTrack Low Voltage Units

TK-CT2-190TLP4-RJ-T1/E1
TK-CT2-CABLE
TK-CT2-SAT2

Installation Operation and Maintenance Manual

CAUTION—IMPORTANT SAFETY INFORMATION

- Never install communication wiring during a lightning storm.
- The below suppressors are intended for use as Primary Protectors.
- Read and understand all instructions prior to installation and operation.

INSTALLATION

TK-CT2-190TLP4-RJ-T1/E1 - TELEPHONE MODULE

1. The TK-CT2-190TLP4-RJ-T1/E1 comes with a Velcro backing. Simply remove the adhesive tape from the back of the unit and press firmly to attach the unit to the low voltage cabinet's back plate.
2. Connect your incoming (unprotected) telephone cable to the Line (exposed) side of the TLP Series unit. Install an RJ45 or RJ14 to the existing incoming telephone line if necessary connector is not already attached.
3. Connect the Load (protected) side of the TLP Series unit using the patch cable provided in the box the TLP unit came in.
4. Connect a 14 AWG wire (minimum size conductor recommended) from the TLP unit's ground lug and secure it to an electrical ground reference. When mounting in a low voltage cabinet, verify that the available ground lug or bus is connected to the electrical system ground. When installing at the exterior telephone service demarcation, mount the unit in a weather proof enclosure and ground the unit to the main electrical ground.

TK-CT2-CABLE - CABLE TV INTERFACE MODULE

1. The TK-CT2-CABLE coaxial unit has an integrated mounting bracket.
2. **Indoor Mounting:** For indoor mounting installations secure the unit to the back-plate of the low voltage cabinet using the holes in the mounting feet. Position the unit so that the threaded cable connectors are facing either left or right as this will enable ease of installation for both "cable in" and "cable out" feeds. Connect a 14 AWG copper wire from the unit's ground lug to an electrical ground reference. Verify that the available ground lug or bus is connected to the electrical ground system.
3. **Outdoor Mounting:** For outdoor mounting installations 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 side (unprotected Cable Company feed) to the threaded "Cable In" side of the TK-CT2-CABLE unit. Connect the coaxial equipment side (protected) to the threaded "Cable Out" side of the TK-CT2-CABLE unit.

TK-CT2-SAT2 - SATELLITE TV INTERFACE MODULE

1. Refer to # 2 and #3 in the above CABLE TV section for indoor and outdoor mounting instructions.
2. The TK-CT2-SAT2 coaxial unit has an integrated mounting bracket.
3. 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 TK-CT2-SAT2 unit. With the threaded coaxial cable connectors facing down, locate the lower-right integrated compression ground lug. This lug is for grounding the TK-CT2-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.
4. Connect the coaxial line #1 & line #2 side (unprotected satellite feed) to the threaded "Cable In" sides of the TK-CT2-SAT2 unit. Connect your equipment lines #1 & #2 side (protected) to the threaded "Cable Out" sides of the TK-CT2-SAT2 unit.

INSTALLATION CONTINUED

GROUNDING

Both unit's ground lugs must be connected to the ground 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. Ground leads should not exceed 12 inches.

To properly protect any Residential system it is strongly recommended that ALL electrical panels, telephone, data, and cable lines be protected and share the same single point ground reference.

PERFORMANCE NOTE

The grounding conductor must be as short as possible. Minimize length to the cm/inch using a minimum wire size of 14 AWG.

NO INDEPENDENT GROUNDS

Surge devices must not be connected to ground points that are independent of AC ground.

MOUNTING INFORMATION

The coaxial units are manufactured with a mounting bracket. The TLP unit is manufactured with a Velcro adhesive backing. Both mounting bracket and Velcro backing enable each unit to be mounted securely to a flat surface.

A ground lug is provided with each unit and can accommodate up to #10 AWG ground wire. For the TK-CT2-190TLP4-RJ-T1/E1 unit, simply connect your ground wire to the ground lug already mounted on the top side of the unit. For the TK-CT2-CABLE and TK-CT2-SAT2 units using the integrated ground compression lug.

NOTE: To provide adequate protection to all electrical and electronic equipment in the home, it is strongly recommended that all electrical panels, telephone, cable TV and data lines be protected with Total Protection Solutions surge protection devices.

