

**TPD Surge Suppressors dissipate and remove harmful transient voltages traveling on data lines reducing lockups, glitches, reprogramming issues & damage.**

Improve power quality for your sophisticated electronic loads. **Rebooting, reprogramming and replacing processors, circuit boards and components** can be a never-ending battle. **Occasional glitches** in the system are as simple as equipment locking up or turning on and off without user input to **wide spread damage during a severe lightning storm**. **Larger pulses will cause catastrophic failure while smaller pulses degrade the life and reliability of these systems and controls.** It is important to protect the incoming cable and satellite lines as well as the coaxial lines running between building. Any nearby lightning can couple onto coaxial lines and, if unprotected, ride into your home or office and destroy interconnected equipment.

## SPECIFICATIONS

**Applications:** Satellite TV, Satellite Radio & High Speed Internet

**Design:** Solid State

**Warranty:** Ten Year Unlimited Free Replacement

**Operating Frequency:** 5MHz to 3.0GHz

**Max Data Rate:** Not applicable, units operate in frequency

**Operating Voltage:** 35V RMS/50V Peak

**Two Way Communication Compatible:** Yes

**Ultra High Definition Compatible:** Yes

**Mode of Protection:** All modes: center conductor-ground.

**Response Time:** < 1 nanosecond

**Strength:** 1000 amps per wire

**Series Resistance:** < 0.1 ohm

**Insertion Loss:** <0.5db (900MHz to 3.0GHz)

**Dimensions (approx):** 2.0"H x 4.0"L x .75"D

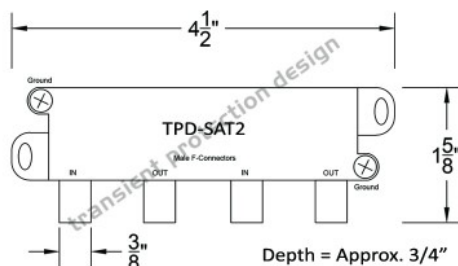
**Enclosure Type:** Metal Weatherproof

**Connection Method:** F Type connection accepts RG6 or RG11

**Mounting Method:** All units come standard with an integrated mounting bracket with ground connection.

**Operating Temperature:** -40° C to 85° C (-40° F to 185° F)

**Weight:** 0.50 lbs.—0.75 lbs. (0.23 kg—0.34 kg) depending on number of circuits.



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

**Satellite**  
Satellite Radio  
Distributed Cable  
**Distributed Satellite**  
Internet



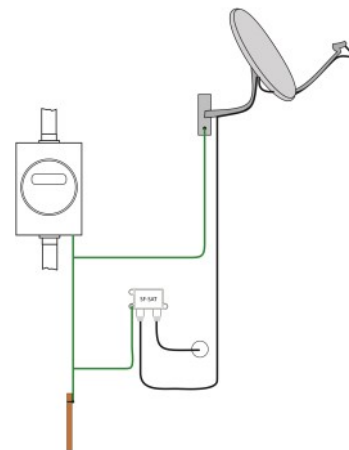
## CABLE & SATELLITE CONFIGURATIONS

Model Number	Number Of Circuits	Applications	Description
TPD-SAT2	2 Circuits In/Out, In/Out	Satellite TV Satellite Radio	F Connectors
TPD-SAT1	1 Circuit In/Out, In/Out	Satellite TV Satellite Radio	F Connectors

Specifications subject to change without notice, see web site [www.TPDsurge.com](http://www.TPDsurge.com) or latest revisions.

The highest quality cable and satellite protection available. Strategically protect coaxial cables entering the home before being distributed throughout the house. Bonding the coaxial line ground with the electrical system ground will create an equal potential ground eliminating the potential for ground loops. This will allow for the more reliable system with less chance of noise and interference contaminating video and audio signals. Use TPD-SAT2 to protect satellite radio. Unlike other technologies on the market, the TPD-SAT2 performance will not degrade. You can count on the TPD-SAT2 working now and 5000 surges later.

**Tech Note:** For cable or satellite extensions that enter or leave the building please refer to the TPD Phone, Cable & Data Application Design for additional information.



**Tech Note:** For installation techniques please refer to installation manual.