



## In-Line Surge Protector, T1 (RJ-45 4-Wire)

# Get convenient in-line surge protection for your T1 connections.

Put avalanche diode and thyristor protection where you need it.



### Specifications

**Application:** T1  
**Ground Wire:** Yes  
**Maximum Shunt Capacitance:** <75 pF  
**Peak Pulse Current:** 50 amps  
**Pins Protected:** 1, 2, 4, 5  
**Protection Type:** Avalanche diode and thyristor technology  
**Response Time:** <5 ns  
**Standard Clamping Voltage:** 60 volts  
**Connectors:** (2) RJ-45 F

### Overview

This In-Line Surge Protector guards sensitive data networks against lightning-induced surges, AC power interference, electrostatic discharge, and ground loop energies.

### What's included

- In-Line T1 Surge Protector
- 4" RJ-45 patch cable
- Specification sheet

For installation instructions, turn this page over...

### Customer Support Information

Order toll-free in the U.S.: Call 877-877-BBOX (outside U.S. call 724-746-5500)  
 FREE technical support 24 hours a day, 7 days a week: Call 724-746-5500 or fax 724-746-0746  
 Mailing address: Black Box Corporation, 1000 Park Drive, Lawrence, PA 15055-1018  
 Web site: [www.blackbox.com](http://www.blackbox.com) • E-mail: [info@blackbox.com](mailto:info@blackbox.com)

## Installation Steps

1. Disconnect the RJ-45 line from the equipment you wish to protect.
2. If the equipment you wish to protect is metal, plug the surge protector into the unit and attach the ground wire to the unit's chassis. If the unit is plastic, connect the ground wire to the electrical outlet ground for the unit.
3. Connect the network-side RJ-45 cable to the surge protector and connect the patch cable included with the surge protector between the surge protector and the equipment you are protecting.



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