

## Dial Line Transient Suppressor

### Specifications

#### Dimensions:

1.75" (4.45cm) H  
3.25" (8.26cm) W  
5.50" (13.97cm) D

#### Operating Temperature:

0° to 85° C

#### Operating Humidity:

5% to 90% non-condensing

#### Operating Altitude:

10,000' (3048m)



- Cost-effective protection for critical equipment
- Fast response time—five nanoseconds
- Clamps directly to ground strap for best low-impedance path to ground
- Protection against repeated surges allows trouble-free operation
- Low clamping voltage provides maximum protection while still allowing ring voltages, data and voice to pass unimpeded.

### Robust Lightning Protection

The Burk Technology TS-1 dial line transient suppressor provides transient voltage surge suppression for equipment connected to a dial telephone line with standard RJ-11 or RJ-13 connectors. The high-quality aluminum enclosure houses a passive, three-stage protection device designed to conduct destructive energy safely to ground.

### Built for Broadcast

The integral clamping system allows the TS-1 to connect conveniently to copper strap (up to 4"). The five-nanosecond response time affords the best protection for transmitter remote control and phone line enabled audio equipment. The unit operates maintenance-free with no battery or external power—ideal for remote broadcast sites.

### Performance

#### Response Time:

5 nanoseconds

#### Clamping Voltage:

200V

#### Maximum Current Surge:

10,000A

#### Maximum Repetitive Surge Current:

2,000A

#### Maximum Series Current:

1A

#### Series Impedance

24Ω

(800) 255-8090  
sales@burk.com  
www.burk.com

7 Beaver Brook Rd  
Littleton, MA 01460

Solutions you can use. Experience you can trust.<sup>SM</sup>

Specifications subject to change without notice. Copyright © 2011 Burk Technology, Inc.

**BURK**  
TECHNOLOGY