

# TSS-200 TSS-201 Very Heavy Duty Telephone Line Surge Suppressors

The TSS-200 and TSS-201 are very heavy duty telephone line surge suppressors designed to protect sensitive electronic equipment from damage caused by voltage transients. The suppressors are designed to protect equipment connected to standard dial-up telephone lines.

What distinguishes the TSS units from other suppressors is our unique three-stage design. A very high speed bi-directional SIDACTOR™ works in combination with MOVs and a three-element heavy-duty gas discharge tube to provide a suppressor that has an extremely fast response time yet can also dissipate large amounts of energy. Inter-stage wirewound resistors provide better surge current handling than competing carbon-film designs. Wide PC board traces and ground planes provide additional surge handling capability.



## ORDERING INFORMATION

To protect modems, FAX machines, electronic telephones and other electronic equipment connected to a standard telephone line (RJ-116-pin modular connector), specify model TSS-200. To protect alarm systems, autodialers, or other equipment that uses an 8-pin RJ-31X modular jack, specify model TSS-201.

Optional 12-inch RJ-11 jumper cable is part number TSS-200-CBL. Optional 12-inch RJ-31 jumper cable is part number TSS-201-CBL.

## MAXIMUM SPECIFICATIONS

Surge Current	
ANSI C62 (8 x 20 $\mu$ S) T-R, T-G, R-G	20,000 Amps
Energy Dissipation	
10 x 1000 $\mu$ S pulses at 500 Amps	2,000 Joules
Instantaneous Clamping Voltage	
Tip-Ring, Tip-Gnd, or Ring-Gnd	$\pm$ 300 Volts P-P
Clamping Time	$\approx$ 1 nanosecond
In-circuit Series Resistance	10 ohms
Input/Output Jacks	
Model TSS-200: USOC RJ-11 6-pin modular receptacles	
Model TSS-201: USOC RJ-11 8-pin modular receptacles	
Ground Wire	
18-inch AWG 16 stranded with 1/4-inch ring terminal	
Mounting	
Double-sided adhesive square or screw mount	
Size: 2.75"W x 3.0"H x 1.4"D	
Enclosure: High-impact, injection-molded ABS plastic	

SIDACTOR™ is a trademark of Teccor, Inc.

**TECHNICOM, INC.**

1221 St. Johns Avenue  
Stallings, NC 28104

sales@technicom-inc.com  
<http://www.technicom-inc.com>

PHONE: (704) 821-9930  
FAX: (704) 821-9930