



# Data/Telco Product Spec Sheet

THOR SYSTEMS, INC.  
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## SERIES TSz ADCF AC/Phone (DSL)/Coax SURGE SUPPRESSION DEVICE

THOR SYSTEMS, INC. offers, as a total surge suppression package for your office or residential needs, the **TSz ADCF**. This is a unique, combined surge suppression product providing surge protection for your AC power lines; phone (DSL), fax, or Integrated Services Digital Network (ISDN) lines; and cable TV, satellite, or broadband coax products.

It is important to recognize that every wire connected to your equipment, even though it may not be in use, provides a path for harmful surges and transients to reach your sensitive electronic equipment. THOR SYSTEMS offers a wide range of high-quality surge suppression systems and power quality site-specific solutions. All of our products are designed to improve efficiency, eliminate downtime, and protect mission-critical electronic equipment. Our solutions are installed in critical locations, i.e. protecting electrical service entrances and distribution systems, as well as data and telecommunications systems.

### GENERAL INFORMATION

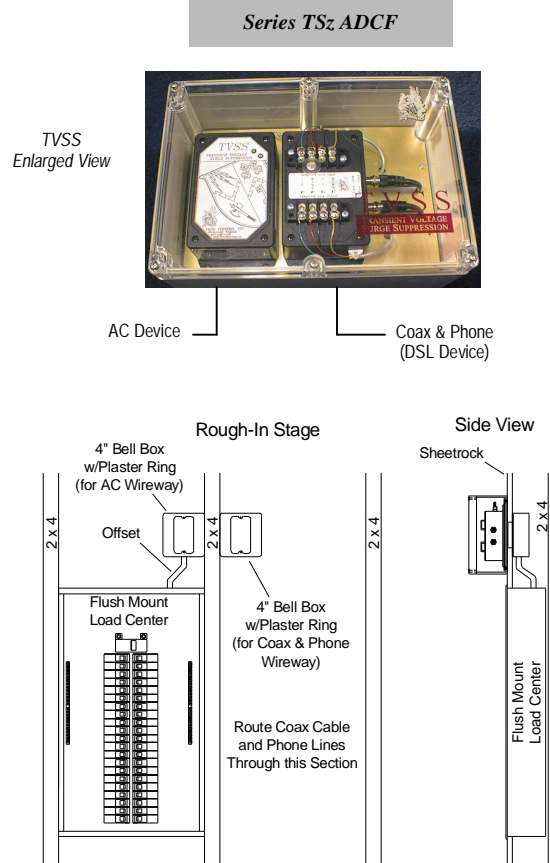
Application	<b>AC power lines, standard telephone (DSL), fax, modem, &amp; ISDN lines, PLUS digital cable, satellite, broadband, or similar Type "F" coaxial circuit</b>
Series Connected	<b>#10 Wire Leads (AC) Terminal Screw (phone [DSL] line) Type "F" (Coax)</b>
Warranty	<b>5 Years</b>

### ELECTRICAL SPECIFICATIONS

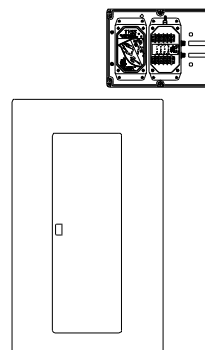
MCOV	<b>150V (AC) 140V (phone [DSL] line) 15V (cable, satellite, broadband)</b>
Operating Voltage	<b>120V (AC) 130V (phone [DSL] line) 12V (cable, satellite, broadband)</b>
Response Time	<b>≤5 nanosecond (AC &amp; phone [DSL] line) ≤1 nanosecond (coax)</b>
Operating Current	<b>500mA</b>
Peak Surge Current	<b>40kA/Mode (AC) 10kA/Mode &amp; 30kA/pair (phone [DSL] line) 10kA/System (coax)</b>
Protection Modes	<b>AC Line: Line-Neutral &amp; Neutral-Ground Phone (DSL) Line: Normal (Tip Ring) Common (Tip-Ground &amp; Ring-Ground) Coax: Common (Line-Ground)</b>
Transmission Rate	<b>Up to 100Kbps (phone [DSL] line) Up to 100Mbps (coax)</b>
Frequency	<b>Up to 1.5Ghz (coax)</b>

### MECHANICAL SPECIFICATIONS

Enclosure	<b>UL94V-2 Polycarbonate</b>
Connection Methods	<b>#10 AWG Wire (AC) Terminal Screw (phone [DSL] line) Type "F" Coaxial Connector (coax)</b>
Physical Characteristics	<b>Compact size: 10-1/2" x 7-9/32" x 1.88" x 3-3/4"</b>



Final Installation



**Installation Notes:**  
The Series TSz ADCF is designed for rear access connection for use with flush mount load centers.

The AC Protection Module includes #10Awg. TEW Conductors that exit through the rear of the enclosure.

The Coax and Phone Lines enter the TVSS device through the rear and connect to their respective terminals.

Recess 4" bell boxes with plaster rings for use as a wireway.