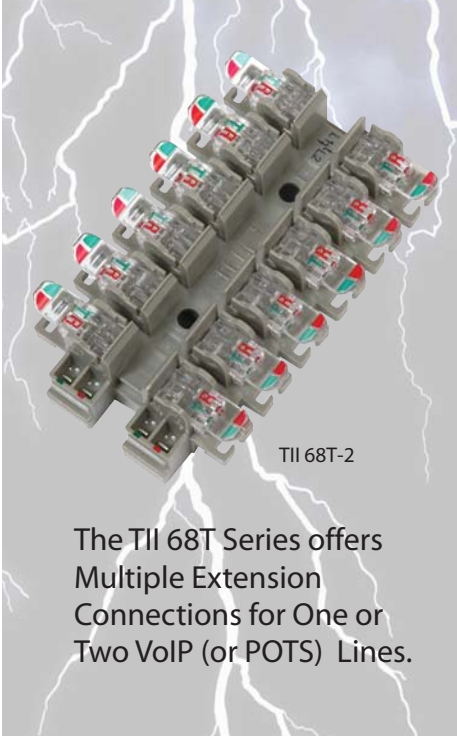


VoIP Protection and Connection Solutions



The TII 68T Series offers Multiple Extension Connections for One or Two VoIP (or POTS) Lines.

The TII SVN and 169T Series are an ideal fit for indoor or outdoor Voice Over Internet Protocol (VoIP) networks utilizing TII's Gel-Sealed IDC Tool-Less Rocker Design.

- Offers Multiple Extension Connections
- Equipped with Integral Sealed Test Points
- Convenient Security System Access Point
- Available in Multiple Configurations



Protect network investments, personnel and reduce costly truck rolls while maintaining optimized RF performance with TII's Broadband In-Line® Coaxial Surge Protectors.

WE ARE UNSURPASSED IN THE INDUSTRY

- Return Loss >30 dB @ 1 GHz
- Environmentally Sealed to 15 PSI
- Meets SCTE F Port Connector Requirements
- Insertion Loss < 0.1 dB

TII 169T Series

The TII 169T Series Outdoor Sealed Wire Terminal Enclosure accommodates the TII 68T Series Sealed Wire Termination Block. The TII 68T Series is designed for applications requiring more than one parallel connection to a single or two pair service. This product is an ideal fit for Voice Over Internet Protocol (VoIP) networks.

- Outdoor Sealed Wire Terminal Enclosure
- For Indoor or Outdoor Applications
- Ideal for VoIP Applications
- Offers Multiple Extension Connections for One or Two VoIP (or POTS) Lines
- Equipped with Integral Sealed Test Points
- Convenient Security System Access Point
- Utilizes TII's Gel-Sealed IDC Tool-Less Rocker Design
- Available In Multiple Configurations
- Listed to UL 1863



TII 210 & 212

In-Line® Coaxial Lightning Surge Protectors

TII's cutting edge In-Line® Coaxial Lightning Surge Protectors protect personnel and customer premises equipment from lightning and power induced surges on coaxial drop cables. It is specifically designed for today's Broadband Over Coax Cable distribution networks.



- Unique Patented In-Line® Coaxial Gas Tube Lightning Surge Protector
- Designed for Broadband Network Application Over Coax Cable
- Transparent to Analog/Digital Bi-directional Signal Transmission
- Essential for DSS Type Wireless Applications
- Provides Lightning Surge Protection for Customer Premises And Headend Equipment
- Provides Powerline Fault Protection for Customer Premises Equipment
- Improves Broadband Network Reliability and Reduces Service Outages
- Impedance Matched to 75 Ohms
- Power Passing
- Integral Failshort Mechanism
- Return Loss 30 dB @ 1 GHz (Typical)
- Insertion Loss < 0.1 dB
- Frequency Range DC-1.5 GHz
- Listed to UL 497C & CSA Certified

TII SVN

Switchable Voice NID

The TII Switchable Voice NID (SVN) is a microprocessor controlled circuit that provides seamless switching from Telco service to digital phone service. The second ringing voltage appearance on the digital phone service initiates the switch over. The TII SVN utilizes insulation displacement terminations with gel filling that provides reliable all weather connectivity.

- For Use When Porting Existing Telephone Numbers
- Eliminates Need for Secondary Truck Rolls
- Automatic Switching to Digital Phone Service
- Ringing Voltage on the Digital Phone Service Initiates Transition
- Sealed IDC Termination Ensures Reliable Service
- Ideal for Indoor/Outdoor Applications
- Microprocessor Controlled Switching with Minimal Current Drainage
- No Attenuation to Telephone Signals
- Provides Secondary Telephone Line Surge Protection Enhancing Digital Phone Service Reliability



TII 68T Series

Sealed Wire Termination Block

The TII 68T Series Sealed Wire Termination Block is designed for applications requiring more than one parallel connection (extension) to a single or two pair service.

- Offers Multiple Extension Connections for One or Two VoIP (or POTS) Lines
- Equipped with Integral Sealed Test Points
- Convenient Security System Interface Points
- Utilizes TII's Gel Sealed Tool-Less IDC Rocker Design
- Mounts Easily to a Suitable Flat Surface or Installs in a Wire Terminal Housing
- CAT-6 Compliant
- Available in Multiple Configurations
- Listed to UL 1863



SPECIFICATIONS

TII SVN

Operating Voltage Range	40-60 Volts DC
Ringing Voltage	60-90 Volts AC
Turn on Current	12 ma
Operating Current	< 3 ma
IDC Termination Gauge	#26-22
Operating Temperature	- 40° C to 60° C
Switch Reset*	Momentary Push Button
Surge Protection	
Clamping Voltage	270-350 Volts
Surge Life 100 A (50 A each side) 10/100 µs	100 Operation Minimum
Surge Life 10 A (10 A both sides) 10/1000 µs	1500 Operation Minimum
Input to Output Resistance	8-14 Ohms
Over Current Protection Trip Level	150 ma Minimum

*Reset is disabled during ringing – SVN (MTA Rocker) needs to be powered to reset.

TII 169T Series

TII 169T-1	Wire Terminal Housing Equipped with 1 TII 68T-1, 1 Pair Input, 11 Parallel Pair Outputs Sealed Wire Termination Block with Integral Sealed Test Points
TII 169T-2	Wire Terminal Housing Equipped with 1 TII 68T-2, 2 Pair Inputs, 10 Parallel Pair Outputs Sealed Wire Termination Block with Integral Sealed Test Points

TII 210 & 212

R.F. Performance	DC – 1.0 GHz	1.0 GHz – 1.5 GHz	
Characteristic Impedance	75 Ohms	75 Ohms	
Insertion Loss (Includes Flatness)	< 0.1 dB	< 0.2 dB	
Return Loss	30 dB	20 dB	
Protection			
1. DC Breakdown @ 2000 V/Sec	150 – 300 Volts	5. AC Life:	
2. Impulse Breakdown @ 100 V/µSec	< 450 Volts	A. 5 A, 1000 VAC, 1 Sec	> 5 Operations
3. Insulation Resistance	> 100 Megohms	B. 1 A, 1000 VAC, 1 Sec	> 60 Operations
*4. Surge Life		6. Failshort:	
A. 10 A, 10/1000 µsec	> 1500 Surges	30 A, 1000 VAC	> 15 Minutes
B. 100 A, 10/1000 µsec	> 100 Surges	7. Operating Temperature	- 40° C to + 65° C
C. 1000 A, 10/250 µsec	> 10 Surges		(- 40° F to 149° F)
D. 5000 A, 8/20 µsec	> 10 Surges		

TII 68T Series

TII 68T-1	1 Pair Input, 11 Parallel Pair Outputs, Sealed Wire Termination Block with Integral Sealed Test Points
TII 68T-2	2 Pair Inputs, 10 Parallel Pair Outputs, Sealed Wire Termination Block with Integral Sealed Test Points



1385 Akron Street ■ Copiague, NY 11726
Tel. 631-789-5020 ■ Fax 631-789-5063
Customer Service Tel. 888-844-4720
E-mail: customerservice@tiinettech.com

www.tiinettech.com

About TII

TII Network Technologies, Inc. is a proven technology leader specializing in providing the telecommunications industry with innovative network protection and management products.

These products include station protectors, network interface devices, DSL protectors, filters and splitters, power and data-line protectors and a multi-service residential gateway, as well as creative, custom design solutions to meet customers' individual requirements. TII has been a leading supplier of overvoltage surge protectors since its founding in 1964.