

122

Primary Surge Arrester Module

Three-Electrode
Gas Discharge Tube

Suitable to use on
VDSL2 Lines

Fully Encapsulated
Assembly

Terminates Multiple Pairs

Listed to UL 497



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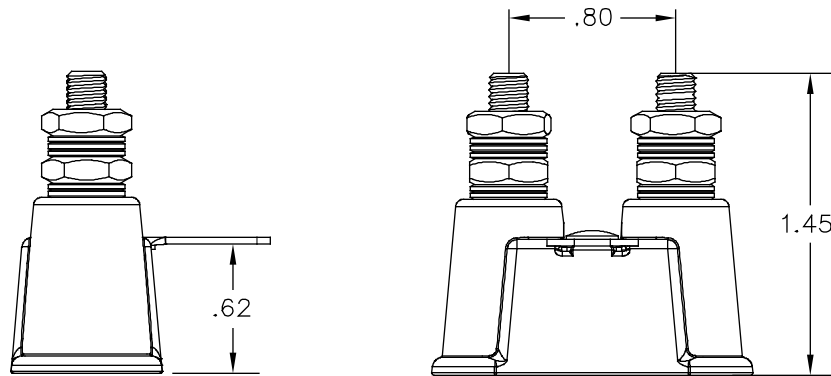
Tii's Primary Surge Arrester Modules are the basic components of Tii Station Protectors. Because the wiring terminals are an integral part of the protector module, the entire self-contained unit must be removed and replaced when it reaches its "end of life" condition. This ensures that the subscriber is always protected when connected to the service wire.

KEY PRODUCT BENEFITS

- ▶ The 122 consists of a three-electrode gas tube, a fail short mechanism in the event of a power cross condition, and an epoxy filled shell with two #10 wiring studs and a ground strap
- ▶ The encapsulation of the internal components of the module safeguards against contamination and corrosion of the protection elements. This feature is not found in screw-in type station protectors.
- ▶ The module may be employed in a variety of single and multiple pair protector assemblies and network interface devices
- ▶ Capable of terminating one service drop wire pair plus four customer inside wire pairs
- ▶ Gas tube is constructed of selected metal alloy and ceramic materials to insure many years of dependable service
- ▶ Gas tube provides low maintenance cost without the problems normally associated with carbon airgap devices
- ▶ The gas tube's sealed atmosphere assures fast and consistent responses with a stable breakdown voltage. After the surge has ended, self-restoration is quick and uniformly predictable.

INDUSTRY STANDARDS

- ▶ Listed to UL 497
- ▶ Meets Telcordia GR-1361-CORE Specifications



Dimensions are in Inches

SPECIFICATIONS

DC Breakdown	265 – 600V
Impulse Breakdown	
@100V/μs	750V Max – 500V Typical
@10KV/μs	1200V Max – 800V Typical
Insulation Resistance	
@ 100V dc	>100 Megohms
Service Life	
10A, 10/1000 μs waveform	1500 Surges
100A, 10/1000 μs waveform	100 Surges
either polarity	
300A, 10/100 μs waveform	50 Surges
either polarity	
Short Duration AC Life	
1000 VAC, 10A, 1 sec	5 Operations
1000 VAC, 1A, 1 sec	60 Operations
Test Method: Telcordia GR-001361-CORE	

ORDERING INFORMATION

Model No.	Description
122	Three Electrode, Primary Surge Arrester Module