

CAP 4000™

State of the Art Demarcation Point



1.0 General

The CAP 4000 has the functionality of a ground block, splitter, and primary surge protection against voltage spikes. CAP-4000 protects the CATV system from unwanted stray sheath currents, which causes hot-drop conditions. This protects the premises and customers from high currents that can be present on the outer conductor of the coaxial drop due to power crossings.

The CAP 4000 contains a polyswitch that opens the outer conductor of the drop cable if a predetermined level of current exists on the coaxial cable sheath. Simultaneously, it maintains outer conductor shield integrity, a safe grounding condition for the network, and an alarm condition to indicate grounding issues. Once the fault condition removes itself or is corrected, the polyswitch device resets to create uninterrupted ground path.

Finally a solution to dangerous sheath ground currents and primary surge protection with only an incremental increase in cost. The simple replacement of your ground block can potentially protect individuals and prevent property damage due to unsafe sheath current situations and voltage surges.

Features:

- Replacement for standard ground block
- Primary surge protection for CATV customers
- Coax sheath ground protection from unsafe currents
- Available in single feed through or splitter configurations
- 1 dB / 3.5 dB Insertion loss and -18 dB reflection loss to 1000 MHz
- Protection against bad grounding conditions, such as "HOT-DROPS"
- Available in custom trip levels

2.0 Electrical

Sheath safety trigger amperage	0.75 amp HOLD / 1.5 amp TRIP
Reflection Loss	-18 dB min (5-1000 MHz)
Insertion Loss	1 dB / 3.5dB (5-1000 MHz)
Trigger Indication	Red LED illumination
DC Breakdown Voltage	350 Volts
Impulse Break down Voltage (5kV/μS)	1500 Volts max.

3.0 Shipping

CAP-4000	Per box	100
Weight	Box	22 lbs

For more information contact:

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