

ZoneMaster 300

The **ZoneMaster 300** is engineered to protect critical electronic systems from severe transient environments, providing decades of uninterrupted surge protection. A tested surge capacity of 300,000A assures a high level of protection from even the most severe lightning strikes.



Product Features

- **Up to 300,000 Amp Maximum Surge Current Protection**
 - ▶ Provides unmatched protection against catastrophic surges. Rating based on the withstand and survival current of the unit, not the sum of the components.
- **Integrated Diagnostics**
 - ▶ Each module provides visual indications of its operating status or miswiring
- **Neutral-to-Ground Leakage Indicators**
- **Bolted Connections Securely Attach Modules Into Surge Current path**
 - ▶ No plug-in modules
- **Large Surge Return Plate**
 - ▶ Both electrical and mechanical indicators display operational readiness of unit.
- **Remote Monitoring Unit Available**
- **Large Surge Return Plate**
 - ▶ Protection modules are mounted on a surge return plate that accurately cancels the electromagnetic field during surge events.
- **Fire Resistant Lightweight plastic Enclosure**
 - ▶ NEMA 1, 2, 2S, 4, 4X, and 13 rated. UL94-5V Flame class.
- **Clear Unit Cover**
 - ▶ Allows user to monitor protection status without opening the unit.
- **Dual Short Circuit and Thermal Fusing**
- **Maximum Operating Voltage**
 - ▶ 25% above nominal service voltage
- **Operating Environment**
 - ▶ -40° to +85°C
- **Ten-Year Product Warranty**
- **UL CSA Approved**

Product Specifications

Maximum Continuous Operating Voltage	25% above nominal
Remote Indication Contacts	NO/NC, rate 125 VAC, 2A
Module Diagnostics	Green LED mechanical (fuse link operated) flag red LED
Standard Fuse Disconnect	600 VAC; 200,000A RMS Symmetrical rating; 200,000 AIC fusing
Redundant Protection Stages In All Modes	Each molde contains dual independant redundant protection circuits
Enclosure	NEMA 1, 2, 3, 3S, 4, 4X, 12, and 13. Transparent cover for maximum visibility and safety.
Operating Environment	-40°C to 85°C, relative humidity (non-condensing)
Construction	Ultra low impedance assembly. Modules are bolted to a corrosion resistant, tin plated coper bus bar. Non plug-on modules in the surge path.
Terminal Lugs	#2 AWG max wire size
Mounting	0.31" diameter holes (16.75" x 12.00") (enclosure can be easily drilled for cable access)
Module Replacement	Remove two bolts, unplug remote indication connector and remove module. Estimated replacement time: 2 minutes.
Module Dimensions	1.25" x 5.3" x 2.5" (3.2cm x 13.5cm x 6.4cm)
Dimensions	16" x 14" x 7" (42cm x 37cm x 18cm)
Weight	Approximately 20 lbs

Model Selection Guide

Models	Electrical Service	Maximum Surge Current	UL 1449 Clamping	Dimensions	Service Voltage
ZHC120T-E	150,000A		150,000A	75,000A	120V/240V
250	125,000A	125,000A	250,000A	75,000A	120V/208V 3Ø 4W
300	150,000A	150,000A	300,000A	75,000A	120V/240V 3Ø 4WD
450	300,000A	150,000A	450,000A	75,000A	77V/480V 3Ø 4WYE
600	300,000A	300,000A	600,000A	75,000A	220V/380V 3Ø 4 Wire WYE 240V/415V 3Ø 4 Wire WYE