



Surge Protection

Engineering Specification Submittal

Model: ZoneMaster PRO **Order Code:** 15101

Applicable Standards

NEMA LSI - 1992
 UL 1449
 UL 1283

ANSI/IEEE C62.41
 ANSI/IEEE C62.45

General Electrical

SPD Category: Service Entrance
 Nominal service voltage: 120/208V
 Maximum continuous operating voltage: 150V
 Remote indication: Isolated, NO/NC contacts 60W DC, 120VA AC, 3A rated

Module diagnostics: Protection present: Green LED
 Fault warning: Red LED
 High voltage neutral to ground: Green & Red LED
 On board monitoring: Surge counter, fault monitor, audible alarm

Optional Fused Disconnect: 600VAC
 200,000A RMS Symmetrical Rating
 200,000 AIC Fusing

Maximum Surge Current

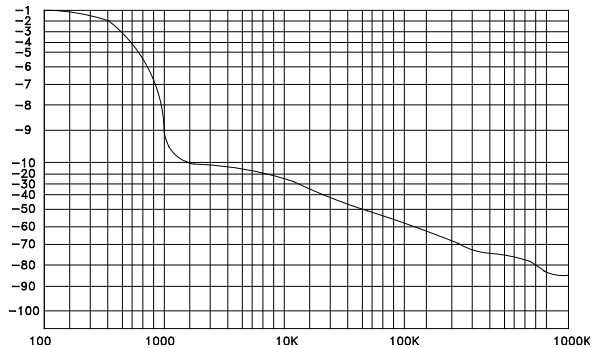
Maximum Surge Current in per Protection Mode				Maximum Surge Current
L-N	L-G	L-L	N-G	Per Phase
100,00A	100,000A	200,000A	200,000A	200,000A

Clamping Voltage

ANSI/IEEE C62.41 ANSI/IEEE C62.45 Clamping Voltage	B (3,000A)	C High (10,000A)
	416V	528V

EMI - RFI Noise Reduction

75dB Max
 100kHz to 100MHz



Agency Approvals

UL 1449
 UL 1283
 C-UL-US

Independent UL 1449 Suppressed Voltage Ratings				UL 1449 Listed 3rd Edition VPR			
L-N	L-G	L-L	N-G	L-N	L-G	L-L	N-G
400V	400V	700V	400V	900V	800V	1200V	700V

Physical and General Data:

Enclosure:	NEMA 1 or NEMA 3R/4
Dimensions: (flush mount)	14" x 17.5" x 5.47" (36cm x 44.5cm x 13.9cm) 16" x 17.5" x 5.34" (41cm x 44.5cm x 13.7cm)
Weight:	Approx. 24.4 lbs. (11.2kg)
Operating Environment:	-40°C to 85°C, 95% relative humidity (non-condensing)
Construction:	Ultra low impedance assembly. Modules are bolted to a corrosion resistant, tin plated copper bus bar. No plug-in 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)

