



Surge Protection

Engineering Specification Submittal

Model: ZoneMaster 240 All Mode

Order Code: 17502

Applicable Standards

NEMA LSI - 1992
 UL 1449 3rd Edition
 UL 1283

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

General Electrical

SPD Category
 Nominal service voltage
 Maximum continuous operating voltage
 Remote indication

Service Entrance
 120/240V
 150V
 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

Maximum Surge Current

Maximum Surge Current in per Protection Mode				Maximum Surge Current
L-N	L-G	L-L	N-G	Per Phase
120,00A	120,000A	240,000A	240,000A	240,000A

Clamping Voltage

ANSI/IEEE C62.41 ANSI/IEEE C62.45 Clamping Voltage	B (500A) Ringwave	B (3,000A)	C High (10,000A)
	328V	416V	528V

Agency Approvals

UL 1449 3rd Edition
 UL 1283
 CE
 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	800V	800V	1200V	900V

Physical and General Data:

Enclosure:	NEMA 1, 2, 3, 3S, 4, 4X, 12 & 13 (IP 66).
Dimensions:	12.4" x 13.7" x 7.3" (315 mm x 347.7 mm x 185 mm)
Weight:	Approx. 10.5 lbs. (4.8kg)
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)

