



Surge Protection

Engineering Specification Submittal

Model: ZoneMaster 340 All Mode **Order Code:** 17302

Applicable Standards NEMA LSI - 1992 ANSI/IEEE C62.41
 UL 1449 3rd Edition ANSI/IEEE C62.45
 UL 1283

General Electrical

SPD Category	Service Entrance
Nominal service voltage	120/240V High Leg
Maximum continuous operating voltage	150/320V
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

Maximum Surge Current

Maximum Surge Current in per Protection Mode				Maximum Surge Current
L-N	L-G	L-L	N-G	Per Phase
170,00A	170,000A	340,000A	170,000A	340,000A

Clamping Voltage

ANSI/IEEE C62.41 ANSI/IEEE C62.45 Clamping Voltage	B (500A) Ringwave	B (3,000A)	C High (10,000A)
	293V	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
400/700V	400/700V	700/1400V	400V	800/1200V	800/1200V	1200/1800V	900V

Physical and General Data:

Enclosure:	NEMA 1, 2, 3, 3S, 4, 4X, 12 & 13 (IP66)
Dimensions:	12.4" x 13.7" x 7.3" (315mm x 347.7mm x 185mm)
Weight:	Approx. 12.5lbs (3.7kg)
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)

