

Surge Protection

Engineering Specification Submittal

Model: ZoneMaster 200 **Order Code:** 11301

Applicable Standards

NEMA LSI - 1992 ANSI/IEEE C62.41
UL 1449 3rd Edition 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 |

Maximum Surge Current

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

Clamping Voltage

| ANSI/IEEE C62.41 ANSI/IEEE C62.45 Clamping Voltage | B3 (500A) Ringwave | B3 (3,000A) | C3 (10,000A) |
|--|--------------------------|----------------|-----------------|
| | 293V | 350V | 446V |

Agency Approvals

UL 1449 3rd Edition
CE
C-UL-US

| Independent UL 1449 Suppressed Voltage Ratings | | | | UL 3rd Edition VPR | | | |
|---|-----|------|------|-----------------------|-----|------|------|
| L-N | L-G | L-L | N-G | L-N | L-G | L-L | N-G |
| 400V | --- | 700V | 400V | 600V | --- | 900V | 600V |

Physical and General Data:

| | |
|------------------------|---|
| Enclosure: | NEMA 1, 2, 3, 3S, 4, 4X, 12, and 13. Transparent cover for maximum visibility and safety. |
| Dimensions: | 11.69" x 8.4" x 4.83" (297mm x 213.36mm x 123mm) |
| Weight: | Approx. 7 lbs. |
| 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 (10.75" x 8.00") (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) |

