ZoneMaster PRO Series of surge protection devices combines all the advantages of all mode protection with features and options to meet the needs of the most complex protection requirements. The ZoneMaster PRO series is available with surge current capacities of 340kA and 400kA. This along with the different international voltages available make the ZoneMaster PRO the most versatile product on the market.

ZoneMaster PRO Series features modular construction, individual modules are bolted to a large surge return plate to minimize transient impedance. These color coded replaceable modules with a UL94-5V rated plastic casing are supplied mounted within a durable metal enclosure. The ZoneMaster PRO units are easy to install via simple surface mounting or optional flush mounting.

Large block Metal Oxide Varistor (MOV) protection technology is utilized within all the ZoneMaster PRO range. Each of the large block MOVs are individually fused for both thermal and short circuit protection. This provides redundancy ensuring the facility is never unprotected.

Status indication is provided through a front panel display, audible, and NO/NC remote alarm contacts. Individual module status is provided by LED status indication on each module. An optional remote monitoring unit is also available providing audible and visual indication of protection status, along with features such as a test switch for checking the monitoring circuitry and an audio alarm silence switch.
**SPECIFICATION**

At figures typical at 77°F (25°C) unless otherwise stated.

**Maximum continuous operating voltage**
- 120V — 140Vac
- 240V — 280Vac
- 277V — 320Vac

**Lines protected**
- ZoneMaster PRO 340
  - L-N 170kA, L-G 170kA, N-G 200kA
  - Delta — L-G 340kA, L-L 340kA
- ZoneMaster PRO 400
  - L-N 200kA, L-G 200kA, N-G 200kA
  - Delta — L-G 400kA, L-L 400kA

**Duty cycle performance (8/20µs)**
- 100,000A >4 impulses
- 10,000A >8,000 impulses
- 200A infinite

**Impulse current for class I (Iimp)**
- 50kA (10/350µs)

**Long duration current pulse (10/1,000µs) capability**
- 3,600A (tested)

**Ambient temperature limits**
- -40°F to +185°F (working)
- -40°C to +85°C (working)

**Humidity**
- 95% RH (non-condensing)

**Enclosure**
- NEMA 1 (standard)

**Terminals**
- 2 AWG (32mm²)

**Mounting**
- Surface mount via 0.31” (8mm) diameter holes or optional flush mount available

**Indication**
- Continuous visual status monitoring
  - Green LED Lit = Full protection
  - Red LED Lit = Reduced (Standby)
  - OR No protection

**Remote contacts**
- NO/NC

**Weight**
- 25.4 lbs (11.2kg)

**Dimensions**
- Enclosure — see figure 1
  - NEMA 4X: 507 x 508 x 255mm (approx.)

**EMC compliance**
- BS EN 60950: 1992
- BS EN 61000-6-2: 1999

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**ORDERING INFORMATION**

Model number as per specification table
- Add suffix F for flush mount options
- Add suffix D for disconnect
- Add suffix O for NEMA 4 enclosure
- Add suffix S for NEMA 4X enclosure
- Add suffix R for battery powered remote monitor unit

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**APPROVALS**

<table>
<thead>
<tr>
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<tbody>
<tr>
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<td>UL 1449 3rd Edition /UL</td>
<td>AC power product</td>
<td>ZoneMaster PRO Type 1</td>
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The given data is only intended as a product description and should not be regarded as a legal warranty of properties or guarantee. In the interest of further technical developments, we reserve the right to make design changes.