

ZoneMaster Pro Type 1 range

Designed for all types of switchgear, distribution & branch panels, plus available with numerous options for a broad range of applications

- **Enhanced redundancy built into each module**
- **Thermal and short circuit fusing**
- **Surge counter with fault monitor and audible alarm**
- **Low let-through performance with high current impulses**
- **200k AIC short circuit rating**
- **Replaceable bolt-in modules**
- **UL 1449 4th Edition Listed**
- **UL Type1, $I_n = 20kA, 200kA$ SCCR**
- **Meets UL96A Master Label Requirements**
- **15 year product warranty**



ZoneMaster PRO range 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 capacity of 400kA. This along with the different international voltages available make the ZoneMaster PRO the most versatile product on the market.

ZoneMaster PRO range 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.

ZoneMaster range

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SPECIFICATION

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

Maximum continuous operating voltage

- 120V — 140Vac
- 240V — 280Vac
- 277V — 320Vac

Lines protected

- ZoneMaster PRO 400
- L-N 200kA, L-G 200kA, L-L 400kA, 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 (I_{imp})

- 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

EMC compliance

- EN 61326-1:2013

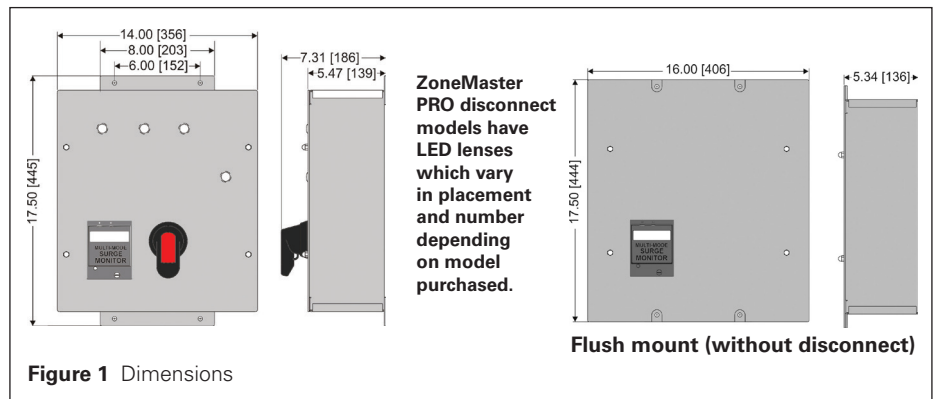
ORDERING INFORMATION

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 R for battery powered remote monitor unit

Model	Maximum surge current I _{max} (kA)	Working voltage (V)	UL 4th Edition VPR (V)	Limiting voltage		Phase types
				@ 3kA* (V)	@ 10kA (I _{ln}) (V)	
ZM15700	400	120/240 split	700	416	528	Split phase 3 wire
ZM15701	400	120/208	700	416	528	Three phase 4 wire WYE
ZM15702	400	120/240	700/1200	416	528	Three phase 4 wire Delta
ZM15703	400	240	1200	832	1056	Three phase 3 wire Delta
ZM15704	400	277/480	1200	776	904	Three phase 4 wire WYE
ZM15706	400	480	2000	1552	1800	Three phase 3 wire Delta
ZM15707	400	220/380	1200	776	904	Three phase 4 wire WYE
ZM15708	400	240/415	1200	776	904	Three phase 4 wire WYE

*Tested as per ANSI/IEEE C62.45; IEC 61643-1 U_{oc} = 6kV



APPROVALS

Country	Standard/Authority	Approved for	Product
United States	UL 1449 4th Edition /UL	AC power product	ZoneMaster PRO Type 1



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