

This top of the line product, with its standard and optional features, is specifically designed to fit the needs of almost any surge protection application where a rugged, feature rich product is required.

The different size ranges are ideally suited for medium to large service entrance and distribution panels.



Features

- Enhanced redundancy built into each module
- Easy to read status indication
- Thermal and short circuit fusing
- Surge counter with fault monitor and audible alarm
- Low let-through performance with high current impulses
- 100k AIC short circuit current rating
- Replaceable bolt-in modules
- All-mode protection
- Large block MOV technology
- 15 year product warranty



Optional Features

- 200k AIC short circuit current rating fused disconnect
- High performance UL 1283 EMI/RFI filter
- NEMA 3S, 4, 12 & 13 (IP66) enclosure
- Flush mount capability
- Remote monitor unit

Specifications

Maximum continuous operating voltage

120V – 140Vac
240V – 280Vac
277V – 320Vac

Lines protected

ZoneMaster PRO 200

L-N 100kA, L-G 100kA, L-L 200kA, N-G 200kA
Delta – L-G 200kA, L-L 200kA

ZoneMaster PRO 240

L-N 120kA, L-G 120kA, L-L 240kA, N-G 240kA
Delta – L-G 240kA, L-L 240kA

ZoneMaster PRO 340

L-N 170kA, L-G 170kA, L-L 340kA, N-G 170kA
Delta – L-G 340kA, L-L 340kA

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
Green LED out = No power to protector
Red & Green LED Lit = High N-G voltage

Remote contacts

NO/NC

Weight

25.4 lbs (11.2kg)

Dimensions

Enclosure – see figure 1

EMC compliance

BS EN 60950: 1992
BS EN 61000-6-2: 1999

Optional Power Filter

Limiting voltage

200V (@3kA 8.20µs)

Maximum attenuation (typical)

-75dB (100kHz to 100MHz)

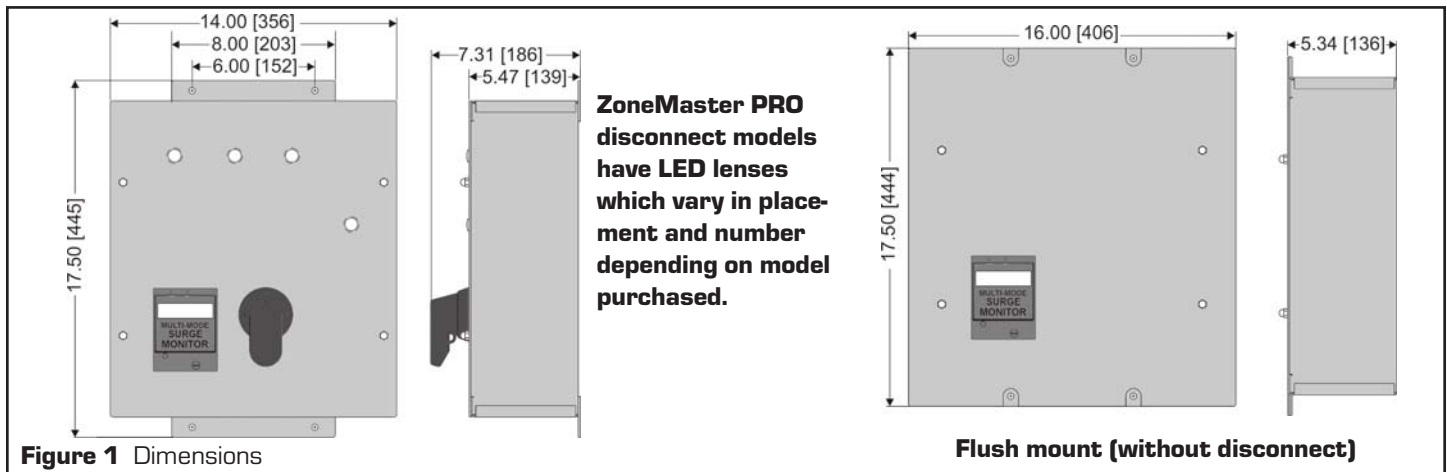
To order specify –

Model number as per specification table

- Add suffix X for EMI/RFI filter**
- 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 SVR 2nd Edition (V)	UL VPR 3rd Edition (V)	Limiting voltage		Phase types
					@ 3kA (V)	@10kA (In) (V)	
15100	200	120/240 split	400	700	416	528	Split phase 3 wire
15101	200	120/208	400	700	416	528	Three phase 4 wire WYE
15102	200	120/240	400/800	700/1200	416	528	Three phase 4 wire Delta
15103	200	240	—	1200	832	1056	Three phase 3 wire Delta
15104	200	277/480	800	1200	776	904	Three phase 4 wire WYE
15106	200	480	—	2000	1552	1800	Three phase 3 wire Delta
15107	200	220/380	800	1200	776	904	Three phase 4 wire WYE
15108	200	240/415	800	1200	776	904	Three phase 4 wire WYE
15000	240	120/240 split	—	700	416	528	Split phase 3 wire
15001	240	120/208	—	700	416	528	Three phase 4 wire WYE
15002	240	120/240	—	700/1200	416	528	Three phase 4 wire Delta
15003	240	240	—	1200	832	1056	Three phase 3 wire Delta
15004	240	277/480	—	1200	776	904	Three phase 4 wire WYE
15006	240	480	—	2000	1552	1800	Three phase 3 wire Delta
15007	240	220/380	—	1200	776	904	Three phase 4 wire WYE
15008	240	240/415	—	1200	776	904	Three phase 4 wire WYE
15200	340	120/240 split	400	700	416	528	Split phase 3 wire
15201	340	120/208	400	700	416	528	Three phase 4 wire WYE
15202	340	120/240	400/800	700/1200	416	528	Three phase 4 wire Delta
15203	340	240	—	1200	832	1056	Three phase 3 wire Delta
15204	340	277/480	800	1200	776	904	Three phase 4 wire WYE
15206	340	480	—	2000	1552	1800	Three phase 3 wire Delta
15207	340	220/380	—	1200	776	904	Three phase 4 wire WYE
15208	340	240/415	—	1200	776	904	Three phase 4 wire WYE
15300	400	120/240 split	—	700	416	528	Split phase 3 wire
15301	400	120/208	—	700	416	528	Three phase 4 wire WYE
15302	400	120/240	—	700/1200	416	528	Three phase 4 wire Delta
15303	400	240	—	1200	832	1056	Three phase 3 wire Delta
15304	400	277/480	—	1200	776	904	Three phase 4 wire WYE
15306	400	480	—	2000	1552	1800	Three phase 3 wire Delta
15307	400	220/380	—	1200	776	904	Three phase 4 wire WYE
15808	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 3rd Edition Listed	AC power product	ZoneMaster PRO
Canada			

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All figures typical at 77°F [25°C] unless otherwise stated

