

ZoneMaster PRO

This top of the line product, with its standard and optional features, is specifically designed to fit the needs of all most 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 (8/20 μ s)

100,000A > 4 impulses
10,000A > 8,000 impulses
200A infinite

Impulse current for class I (I_{imp})

50kA (10/350 μ s)

Long duration current pulse (10/1,000 μ s) 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 8.20 μ s)

Maximum attenuation (typical)

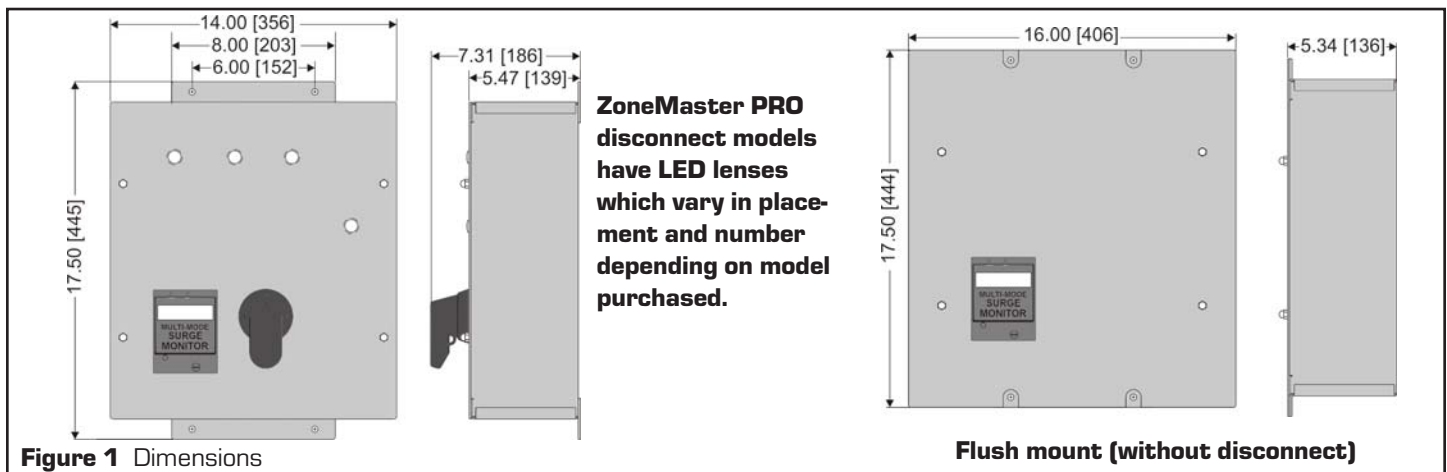
-75dB (100kHz to 100MHz)

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)	
AT15100	200	120/240 split	400	900	416	528	Split phase 3 wire
AT15101	200	120/208	400	900	416	528	Three phase 4 wire WYE
AT15102	200	120/240	400/800	900/1200	416	528	Three phase 4 wire Delta
AT15103	200	240	—	1200	832	1056	Three phase 3 wire Delta
AT15104	200	277/480	800	1200	776	904	Three phase 4 wire WYE
AT15106	200	480	—	2000	1552	1800	Three phase 3 wire Delta
AT15107	200	220/380	800	1200	776	904	Three phase 4 wire WYE
AT15108	200	240/415	800	1200	776	904	Three phase 4 wire WYE
AT15000	240	120/240 split	—	900	416	528	Split phase 3 wire
AT15001	240	120/208	—	900	416	528	Three phase 4 wire WYE
AT15002	240	120/240	—	900/1200	416	528	Three phase 4 wire Delta
AT15003	240	240	—	1200	832	1056	Three phase 3 wire Delta
AT15004	240	277/480	—	1200	776	904	Three phase 4 wire WYE
AT15006	240	480	—	2000	1552	1800	Three phase 3 wire Delta
AT15007	240	220/380	—	1200	776	904	Three phase 4 wire WYE
AT15008	240	240/415	—	1200	776	904	Three phase 4 wire WYE
AT15200	340	120/240 split	400	800	416	528	Split phase 3 wire
AT15201	340	120/208	400	800	416	528	Three phase 4 wire WYE
AT15202	340	120/240	400/800	800/1200	416	528	Three phase 4 wire Delta
AT15203	340	240	—	1200	832	1056	Three phase 3 wire Delta
AT15204	340	277/480	800	1200	776	904	Three phase 4 wire WYE
AT15206	340	480	—	2000	1552	1800	Three phase 3 wire Delta
AT15207	340	220/380	—	1200	776	904	Three phase 4 wire WYE
AT15208	340	240/415	—	1200	776	904	Three phase 4 wire WYE
AT15300	400	120/240 split	—	800	416	528	Split phase 3 wire
AT15301	400	120/208	—	800	416	528	Three phase 4 wire WYE
AT15302	400	120/240	—	800/1200	416	528	Three phase 4 wire Delta
AT15303	400	240	—	1200	832	1056	Three phase 3 wire Delta
AT15304	400	277/480	—	1200	776	904	Three phase 4 wire WYE
AT15306	400	480	—	2000	1552	1800	Three phase 3 wire Delta
AT15307	400	220/380	—	1200	776	904	Three phase 4 wire WYE
AT15808	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 Canada	UL 1449 3rd Edition Listed	AC power product	ZoneMaster PRO

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