

The ZoneMaster 170 and 200 Series are ideally suited for small to medium service entrance panels. Their enhanced redundancy and surge current rating make these products well suited for installation in high lightning activity areas. The different voltage options allow these units to be installed in locations around the world.

Applications include industrial, commercial, traffic systems, military and telecommunications.



## Features

- Enhanced redundancy built into each module
- Easy to read status indication
- Thermal and short circuit fusing
- Low let-through performance with high current impulses
- 100k AIC short circuit current rating
- Replaceable bolt-in modules
- Large block MOV technology
- UL 1449 3rd Edition
- 15 year product warranty

## Optional Features

- High performance UL 1283 EMI/RFI filter
- Flush mount capability
- Remote monitoring unit

## Specifications

### Maximum continuous operating voltage

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

### Lines protected

#### ZoneMaster 170

L-N 170kA, L-L 170kA, N-G 170kA

#### ZoneMaster 200

L-N 200kA, L-L 200kA, N-G 200kA

### Duty cycle performance (8/20 $\mu$ s)

100,000A	>4 impulses
10,000A	>8,000 impulses
170A	infinite

### Impulse current for class I (I<sub>imp</sub>)

50kA (10/350 $\mu$ s)

### Long duration current pulse (10/1,000 $\mu$ 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, 2, 3, 3S, 4, 4X, 12 & 13 (IP66)

### Terminals

2 AWG (32mm<sup>2</sup>)

### Mounting

Surface mount by 0.31" (8mm) diameter holes

### 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

Approx. 7 lbs (3.2 kg)

### 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 $\mu$ 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**

### Optional Remote Monitoring Unit

11101 — Battery operated

11102 — AC powered

Model	Maximum surge current I <sub>max</sub> (kA)	Working voltage (V)	UL SVR 2nd Edition (V)	UL VPR 3rd Edition (V)	Limiting voltage		Phase types
					@ 3kA (V)	@10kA (I <sub>n</sub> ) (V)	
11200	170	120/240 split	400	600	350	446	Split phase 3 wire
11201	170	120/208	400	600	350	446	Three phase 4 wire WYE
11202	170	120/240	400/800	600/1000	350	446	Three phase 4 wire Delta
11203	170	240	800	1000	760	886	Three phase 3 wire Delta
11204	170	277/480	800	1000	760	886	Three phase 4 wire WY
11206	170	480	1200	1800	1480	1680	Three phase 3 wire Delta
11207	170	220/380	800	1000	760	886	Three phase 4 wire WYE
11208	170	240/415	800	1000	760	886	Three phase 4 wire WYE
11300	200	120/240 split	—	600	350	446	Split phase 3 wire
11301	200	120/208	—	600	350	446	Three phase 4 wire WYE
11302	200	120/240	—	600/1000	350	446	Three phase 4 wire Delta
11303	200	240	—	1000	760	886	Three phase 3 wire Delta
11304	200	277/480	—	1000	760	886	Three phase 4 wire WYE
11306	200	480	—	1800	1480	1680	Three phase 3 wire Delta
11307	200	220/380	—	1000	760	886	Three phase 4 wire WYE
11308	200	240/415	—	1000	760	886	Three phase 4 wire WYE

Tested as per ANSI/IEEE C62.45; IEC 61643-1 U<sub>oc</sub> = 6kV

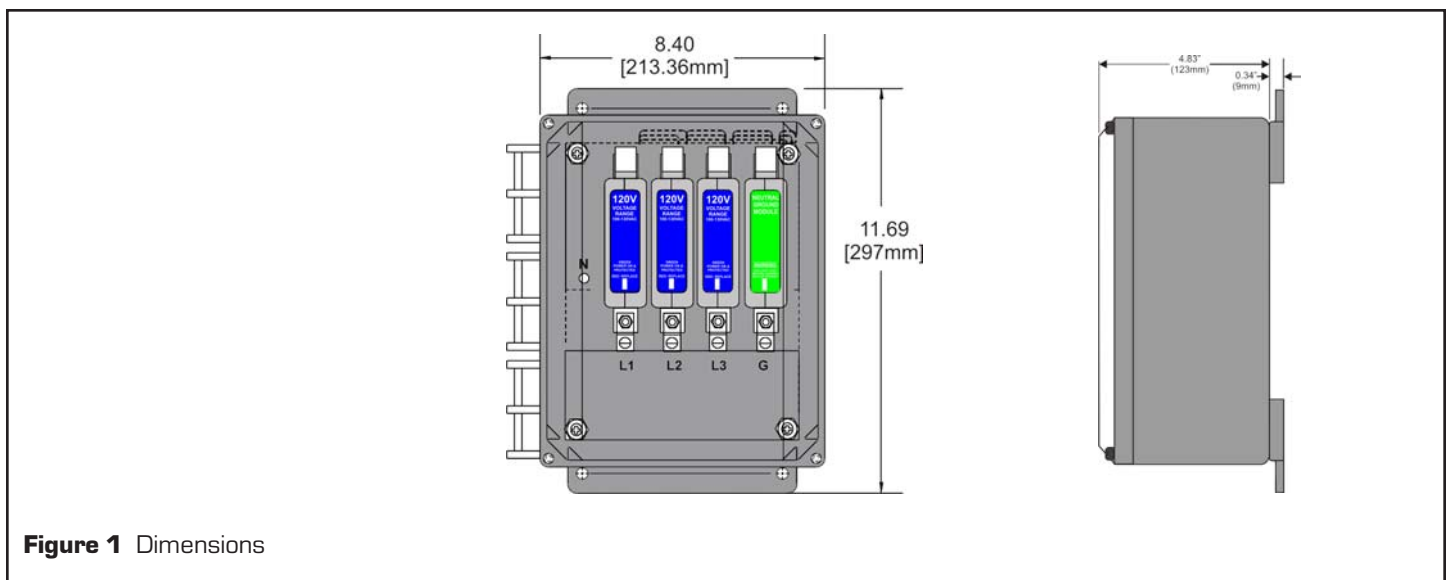


Figure 1 Dimensions

## Approvals

Country	Standard/Authority	Approved for	Product
United States Canada	UL 1449 3rd Edition Listed	AC power product	ZoneMaster