

## Examples of solutions with Powerware TVSS:

- ▶ **PT18100=**  
Powerware ZoneMasterPlus 150 for 120/240V Operation (Series Code PT181 and Service Voltage Code 00)
- ▶ **PT18402-1100 =**  
Powerware ZoneMasterPlus 450 for 120/240V with Filter and Counter (Series Code PT184, Service Voltage 02 and Option -1100)
- ▶ **PT18204-1011 =**  
Powerware ZoneMasterPlus 250 for 277/480V 3 Ø WYE with Extended Filter, Surge Counter and Alarm (Series Code PT182, Service Voltage 04 and Option -1011)

\*Extended Range Filter Option  
1000 must be purchased at time of initial purchase only.

Note: Upgrade packages available for Powerware ZoneMasterPlus150, 300 and 450. Contact your representative for more information. Powerware ZoneMasterPlus 600 cannot be ordered with the extended range filter option.

## Model Selection for Powerware® TVSS

### ZoneMasterPlus, ZoneMaster, ZoneSentinel & ZoneDefender



## Specifying and Ordering Powerware ZoneMasterPlus

| Series             | Code    | Service Voltage          | Code | Option                   | Code  |
|--------------------|---------|--------------------------|------|--------------------------|-------|
| ZoneMasterPlus 150 | =PT181  | 120V/240V                | 00*  | Extended Range Filter    | -1000 |
| ZoneMasterPlus 250 | =PT182  | 120V/208V 3 Ø 4W         | 01   | Surge Counter - 120V     | -0100 |
| ZoneMasterPlus 300 | =PT183  | 120V/240V 3 Ø 4WD        | 02   | Surge Counter - 277V     | -0010 |
| ZoneMasterPlus 450 | =PT1842 | 77V/480V 3 Ø 4WYE        | 04   | Audio/Visual Panel Alarm | -0001 |
| ZoneMasterPlus 600 | =PT185  | 220V/380V 3 Ø 4 Wire WYE | 07   |                          |       |
|                    |         | 240V/415V 3 Ø 4 Wire WYE | 08   |                          |       |

## Powerware TVSS - ZoneMaster 250 & 300

Designed and engineered to protect from the most severe transients, including lightning, at the main service entrance. The four redundant independent stages of protection, for each phase, provide the first line of facility defense.

| ZoneMaster<br>250<br>Model# | ZoneMaster<br>300<br>Model# | Service Voltage           | Suppression Voltage Levels<br>ANSI/IEEE C62.41-1992* |            |             |
|-----------------------------|-----------------------------|---------------------------|------------------------------------------------------|------------|-------------|
|                             |                             |                           | UI1449                                               | CAT B3:3kA | CAT C3:10kA |
| PT17000                     | PT17100                     | 120V/240V Split Ø 3 Wire  | 330 Volts                                            | 333V       | 406V        |
| PT17001                     | PT17101                     | 120V/208V 3Ø 4 Wire WYE   | 330 Volts                                            | 333V       | 406V        |
| PT17002                     | PT17102                     | 120V/240V 3Ø 4 Wire Delta | 330 Volts                                            | 333V       | 406V        |
| PT17003                     | PT17103                     | 240V 3Ø 3 Wire Delta      | 700 Volts                                            | 726V       | 826V        |
| PT17004                     | PT17104                     | 277V/480V 3Ø 4 Wire WYE   | 700 Volts                                            | 726V       | 826V        |
| PT17006                     | PT17106                     | 480V 3Ø 3 Wire Delta      | 1500 Volts                                           | 1480V      | 1680V       |
| PT17007                     | PT17107                     | 220V/380V 3Ø 4 Wire WYE   | 700 Volts                                            | 726V       | 826V        |
| PT17008                     | PT17108                     | 240V/415V 3Ø 4 Wire WYE   | 700 Volts                                            | 726V       | 826V        |

\*Testing per ANSI/IEEE C62.45. \*Extended range filter 1000.

## Powerware TVSS - ZoneMaster 150

Providing large service entrance panels with decades of protection from the most severe transients. The dual protection circuits provide redundancy to ensure your facility is never unprotected.

### Suppression Voltage Levels ANSI/IEEE C62.41-1992

| Model # | Service Voltage           | UL 1449    | CAT B3:3kA | CAT C3:10kA |
|---------|---------------------------|------------|------------|-------------|
| PT11200 | 120V/240V Split Ø 3 Wire  | 400 Volts  | 350V       | 446V        |
| PT11201 | 120V/208V 3Ø 4 Wire WYE   | 400 Volts  | 350V       | 446V        |
| PT11202 | 120V/240V 3Ø 4 Wire Delta | 400 Volts  | 350V       | 446V        |
| PT11203 | 240V 3Ø 3 Wire Delta      | 800 Volts  | 760V       | 886V        |
| PT11204 | 277V/480V 3Ø 4 Wire WYE   | 800 Volts  | 760V       | 886V        |
| PT11206 | 480V 3Ø 3 Wire Delta      | 1500 Volts | 1480V      | 1680V       |
| PT11207 | 220V/380V 3Ø 4 Wire WYE   | 800 Volts  | 760V       | 886V        |
| PT11208 | 240V/415V 3Ø 4 Wire WYE   | 800 Volts  | 760V       | 886V        |

Add suffix "F" for flush mount options. \*Testing per ANSI/IEEE C62.45. \*Extended range filter 1000.  
NOTE: To order Extended Range Filter, use code -1000 for all model numbers.

## Powerware TVSS - ZoneSentinel

A high capacity, cost effective solution for the distribution boards and smaller service entrance locations. When combined with the ZoneMaster, ZoneSentinel provides the lowest suppression voltage available today.

### Suppression Voltage Levels ANSI/IEEE C62.41-1992

| Model # | Service Voltage           | UL 1449       | CAT B3:3kA | CAT C3:10kA |
|---------|---------------------------|---------------|------------|-------------|
| PT12100 | 120V/240V Split Ø 3 Wire  | 330 Volts     | 395V       | 533V        |
| PT12101 | 120V/208V 3Ø 4 Wire WYE   | 330 Volts     | 395V       | 533V        |
| PT12102 | 120V/240V 3Ø 4 Wire Delta | 330/700 Volts | 395V       | 533V        |
| PT12103 | 240V 3Ø 3 Wire Delta      | 700 Volts     | 740V       | 1000V       |
| PT12104 | 277V/480V 3Ø 4 Wire WYE   | 700 Volts     | 875V       | 1030V       |
| PT12106 | 480V 3Ø 3 Wire Delta      | 1400 Volts    | 1600V      | 1880V       |
| PT12107 | 220V/380V 3Ø 4 Wire WYE   | 700 Volts     | 875V       | 1030V       |
| PT12108 | 240V/415V 3Ø 4 Wire WYE   | 700 Volts     | 875V       | 1030V       |

Add suffix "F" for flush mount options. \*Testing per ANSI/IEEE C62.45. NOTE: To order Extended Range Filter, use code -1000 for all model numbers.

## Powerware TVSS - ZoneDefender

For residential, interior lighting or small distribution panels, completes a facilities surge protection picture.

### Cat B3 Cat C3

| Model # | Service Voltage          | UL 1449    | 500 8/20m s | 3000A 8/20m s | 10kA  | 200A Ring | MCOV   |
|---------|--------------------------|------------|-------------|---------------|-------|-----------|--------|
| PT14100 | 120V 1Ø 2 WIRE           | 400 Volts  | 310V        | 435V          | 730V  | 315V      | 140VAC |
| PT14101 | 120V/240V Split Ø 3 Wire | 400 Volts  | 310V        | 435V          | 730V  | 315V      | 140VAC |
| PT14102 | 120V/208V 3Ø 4 Wire WYE  | 400 Volts  | 310V        | 435V          | 730V  | 315V      | 140VAC |
| PT14104 | 277V/480V 3Ø 4 Wire WYE  | 700 Volts  | 690V        | 890V          | 1200V | 690V      | 320VAC |
| PT14106 | 480V 3Ø 4 Wire Delta     | 1500 Volts | 1480V       | 1600V         | 2100V | 1430V     | 550VAC |
| PT14107 | 220V/380V 3Ø 4 Wire WYE  | -----      | 600V        | 790V          | 730V  | 650V      | 275VAC |
| PT14108 | 240V/415V 3Ø 4 Wire WYE  | 700 Volts  | 600V        | 790V          | 1200V | 650V      | 275VAC |
| PT14109 | 220V 1Ø 2 Wire           | -----      | 600V        | 790V          | 1200V | 650V      | 275VAC |

\*Testing per ANSI/IEEE C62.45 and ANSI/IEEE C62.41



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