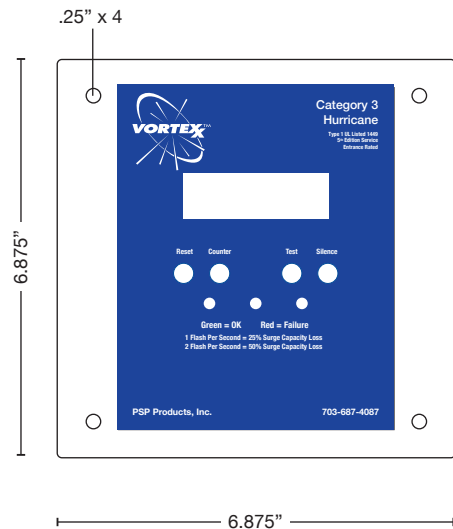


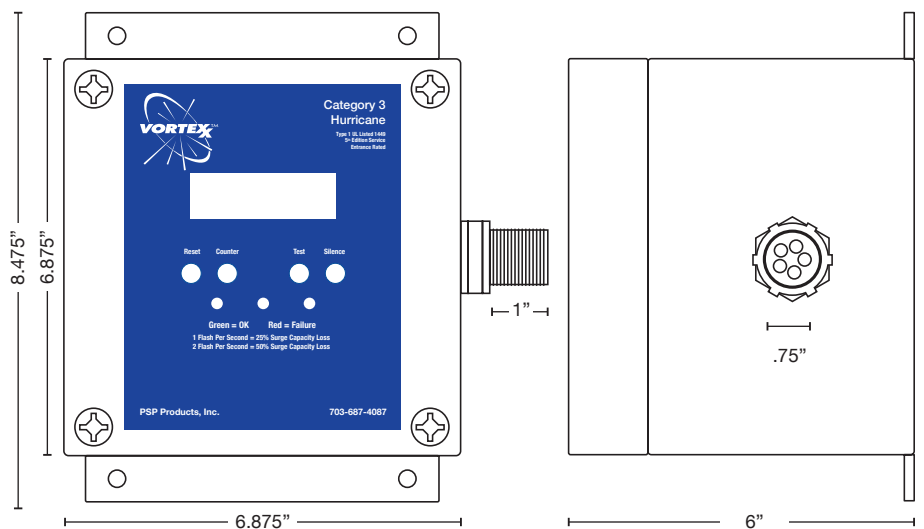


### Features

- I<sub>max</sub>: 120 or 240kA per phase
- I<sub>n</sub>: 20kA
- Thermally fused metal oxide varistor (TFMOV) suppression with added gas discharge tube (GDT) technology
- Real-time per phase LED indicators, audible alarm, remote contacts and surge counter are standard
- Smart diagnostic, indicating remaining surge capacity
- Sine wave tracking
- EMI/RFI noise filtration (-40db)
- NEMA 4X (IP66) indoor/outdoor rated enclosure
- 25 year warranty



Remote Display



Surge Enclosure

Part Number Breakdown

C3H(#)-(###)-4XM-RDU

- **Surge Rating Identifier:** 120=120kA/phase, 240=240kA/phase
- **Voltage Identifier:** 1=120/240 1-phase, 2=120/208 3-phase Wye, 3=120/120/240 3-phase high-leg Delta, 4=277/480 3-phase Wye, 5=480 3-phase Delta, 6=347/600 3-phase Wye, 7=600 3-phase Delta, 8=220/380 3-phase Wye, 9=240 3-phase Delta

| Description                             |     | C3H1   | C3H2                     | C3H3                                   | C3H4                     | C3H5                       | C3H6                     | C3H7                       | C3H8                     | C3H9                       |
|---|-----|--|--------------------------|--|--------------------------|----------------------------|--------------------------|----------------------------|--------------------------|----------------------------|
| System Voltage                          | VAC | 120/240  | 120/208                  | 120/120/240                            | 277/480                  | 480                        | 347/600                  | 600                        | 220/380                  | 240                        |
| System Wiring                           |     | 3W+G<br>(1-Phase)  | 4W+G<br>(3-Phase<br>Wye) | 4W+G<br>(3-Phase<br>High-Leg<br>Delta) | 4W+G<br>(3-Phase<br>Wye) | 3W+G<br>(3-Phase<br>Delta) | 4W+G<br>(3-Phase<br>Wye) | 3W+G<br>(3-Phase<br>Delta) | 4W+G<br>(3-Phase<br>Wye) | 3W+G<br>(3-Phase<br>Delta) |
| Maximum Operating Voltage (MCOV)        | L-N | 150  | 150                      | 150/350                                | 350                      |                            | 460                      |                            | 300                      |                            |
|   | N-G | 150  | 150                      | 150                                    | 350                      |                            | 460                      |                            | 300                      |                            |
|   | L-G | 150  | 150                      | 150/350                                | 350                      | 700                        | 460                      | 920                        | 300                      | 300                        |
|   | L-L | 300  | 300                      | 300/450                                | 700                      | 700                        | 920                      | 920                        | 600                      | 300                        |
| Voltage Protection Rating (VPR)         | L-N | 700  | 700                      | 700/1,200                              | 1,200                    |                            | 1,500                    |                            | 900                      |                            |
|   | N-G | 800  | 800                      | 800/1,200                              | 1,500                    |                            | 1,500                    |                            | 1,200                    |                            |
|   | L-G | 800  | 800                      | 800/1,200                              | 1,200                    | 1,800                      | 1,500                    | 2,500                      | 1,200                    | 1,200                      |
|   | L-L | 1,200  | 1,200                    | 1,200/2,000                            | 1,800                    | 3,000                      | 2,500                    | 3,000                      | 1,500                    | 1,500                      |
| Operating Current (Ic)                  |     | <10 mA   | <10 mA                   | <30 mA                                 | <10 mA                   | <30 mA                     | <10 mA                   | <30 mA                     | <10 mA                   | <30 mA                     |
| Follow Current (If)                     |     | None   |                          |  |                          |                            |                          |                            |                          |                            |
| Maximum Leakage Current (Ipe)           |     | 1 mA   |                          |  |                          |                            |                          |                            |                          |                            |
| Frequency (f)                           |     | 50/60/400 Hz   |                          |  |                          |                            |                          |                            |                          |                            |
| Nominal Discharge Current Per Mode (In) |     | 20kA   |                          |  |                          |                            |                          |                            |                          |                            |
| Maximum Discharge Current (Imax)        |     | 120kA, 240kA (Depending on Model)  |                          |  |                          |                            |                          |                            |                          |                            |
| Short Circuit Current Rating (SCCR)     |     | 200kA  |                          |  |                          |                            |                          |                            |                          |                            |
| EMI/RFI Filtering                       |     | 1283 Electromagnetic Interference Filter (-40 dB)                                |                          |  |                          |                            |                          |                            |                          |                            |
| Thermal Disconnecter                    |     | Internal to Each Component   |                          |  |                          |                            |                          |                            |                          |                            |
| Overload Disconnecter                   |     | Internal to Each Device  |                          |  |                          |                            |                          |                            |                          |                            |
| Operating Temperature                   |     | -40 to +85°C   |                          |  |                          |                            |                          |                            |                          |                            |
| Housing-Enclosure Material              |     | NEMA 4X Aluminum   |                          |  |                          |                            |                          |                            |                          |                            |
| Mounting Type                           |     | Nipple/Wall Mounting or Flush Mount (Cover Not Included)                         |                          |  |                          |                            |                          |                            |                          |                            |
| Environmental Rating                    |     | NEMA 4/12, NEMA 4X, IP66, Indoor/Outdoor   |                          |  |                          |                            |                          |                            |                          |                            |
| Connection Type                         |     | Lead Length: 36" / #10 AWG   |                          |  |                          |                            |                          |                            |                          |                            |
| Standards Compliance or Recognition     |     | UL 1449 5th Edition Type 1 Listed, UL Listed to US and Canadian Safety Standards |                          |  |                          |                            |                          |                            |                          |                            |