

**Safety Tested and Certified to**  
**New UL Standard No.**  
**1449, 4th Ed.**

Safety rated as SPD Types 1 and Type 2 with the TVSS industries highest safety **SCCR Rating of 200kAIC!**

(SE\*) Non-degrading 'Single Element' for Each Surgepath

**Remot'Alert**  
 (Opt.) Provides Auto-remote 'Protection Status Alert'



**Keeps Your Power Lean, Clean & Green!**

**IDEAL FOR PRIMARY LEVEL PROTECTION of COMM/INDUSTRIAL BUSINESS**

The **Surg'Triangle** is Primary Level, two stage, 'Dual-mode' surge suppression located at your service entrance. From the Main Distribution Panel it isolates your sensitive downline equipment from nearby switching motor loads and inhouse surges to provide a complete grid of non-degrading surge protection. StediWatt always preserves your assets and maximizes your long-term reliability and profits!

**Key Features:**

- Your most vital Primary level defense against today's rolling Blackouts and Brownouts!
- Unique 'Dual-mode' fuse-links maintain safety of non-degrading surge capacity.
- Designed for easy mounting and installation for 'fast response-time' protection.
- **Up to One Million Amps of Two-stage, single-element parallel surge protection!**
- Unique Safety "Surge Cushion" Technology is Key to Eliminating 'Electrical Pollution'!

*"Made With Pride In The USA!"*

| Model Number:                                | S-1120-3ST  | S-1208-4ST  | S-1240-3ST | S-1240-4ST  | S-1480-3ST | S-1480-4ST  | S-1600-3ST | S-1600-4ST  |
|--|---|-------------|------------|-------------|------------|-------------|------------|-------------|
| AC Service Types:                            | 1Ø  | 3Ø WYE      | 3Ø Delta   | 3Ø Hi-Leg   | 3Ø Delta   | 3Ø WYE      | 3Ø Delta   | 3Ø WYE      |
| Nominal AC Line Voltage (VRMS):              | 120/240   | 120/208     | 240/240    | 120/208/240 | 480/480    | 277/480     | 600/600    | 347/600     |
| Frequency Range - USA / Euro Std:            | 50/60 Hz  | 50/60 Hz    | 50/60 Hz   | 50/60 Hz    | 50/60 Hz   | 50/60 Hz    | 50/60 Hz   | 50/60 Hz    |
| Single Element SE* Protection Modes:         | L-N;L-L   | L-N;L-L&N-G | L-L        | L-N;L-L&N-G | L-L        | L-N;L-L&N-G | L-L        | L-N;L-L&N-G |
| Knock Out Size for Mounting:                 | ¾"  | ¾"          | ¾"         | ¾"          | ¾"         | ¾"          | ¾"         | ¾"          |
| Leads: #8 AWG Stranded Copper                | 3+G   | 4+G         | 3+G        | 4+G, Hi-Leg | 3+G        | 4+G         | 3+G        | 4+G         |
| Max. SE* Per Mode Surge kA:                  | 80  | 80          | 80         | 80          | 80         | 80          | 80         | 80          |
| Max. Surge Current Per Phase kA:             | 350   | 350         | 350        | 350         | 350        | 350         | 350        | 350         |
| Total Surge Capacity (kA @ 8x20 µsec pulse): | 680   | 1,000       | 1,000      | 1,000       | 1,000      | 1,000       | 1,000      | 1,000       |
| Max Continuous Operating Voltage (MCOV)      | 150/320   | 150/320/320 | 320        | 150/320/320 | 550        | 320/550     | 680        | 390/680     |
| Max. Clamping Voltage - L-L:                 | 520   | 520         | 520        | 520         | 1175       | 1175        | 1800       | 1800        |
| Max. Clamping Voltage - L-N:                 | 390   | 390         | N/A        | 390         | N/A        | 675         | N/A        | 1120        |
| Max. Clamping Voltage - N-G:                 | 390   | 390         | N/A        | 390         | N/A        | 390         | N/A        | 1120        |
| Warranty:                                    | 15 Years per Manufacturers Warranty Guidelines  |             |            |             |            |             |            |             |
| Enclosure Size (HxWxD):                      | 10 ½" X 8 ½" X 6 ¼"   |             |            |             |            |             |            |             |
| Enclosure Type:                              | <b>NEMA/EEMAC Type 4X</b> Waterproof, Explosion Proof, Spark Proof with Embedded PCB and Contacts |             |            |             |            |             |            |             |
| Certifications:                              | <b>UL / CUL Std 1449, 4th Edition and Full Line is ETL Certified, Safety Tested and Listed</b>    |             |            |             |            |             |            |             |
| Safety Testing:                              | <b>UL &amp; ANSI/IEEE C62.11, C62.41 &amp; C62.45 Std. 587 and NEMA Std. LS-1</b>                 |             |            |             |            |             |            |             |
| Indicators:                                  | (Two Stages) Lifetime Green LED Self Test Indicators For Each Phase                               |             |            |             |            |             |            |             |
| Shipping Weight LBS (Approx.):               | 22  | 24          | 23         | 24          | 25         | 26          | 30         | 30          |

