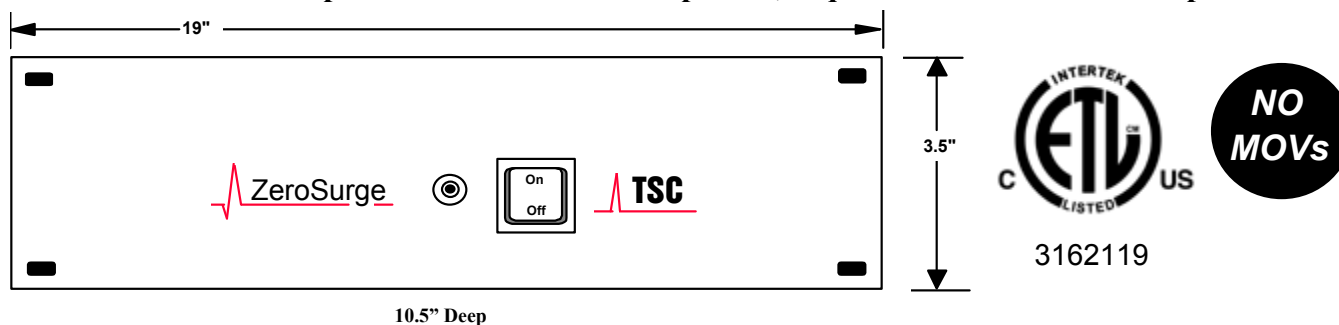


1R-2U-30T Series – TSC 120V ac Single Phase

| Models | 1R-2U-30T-120 |
|----------------|------------------------------------------------------------|
| Mfg Part # | 006-00342 |
| Voltage/Hz | 120V ac nominal 50-60 Hz |
| Max. Load | 30 amps |
| Line Cord | 30 Amp: 11' grounded 3-wire, #10 black SJT; L5-30P plug. * |
| Receptacles | one L5-30R outlet on back; |
| Enclosure | Magnetic shielding steel, black powder coat finish |
| Weight | 16 lbs |
| Dimensions | 3.5”H x 19”W x 10.5”D |
| Boxed Dim./Wt. | 6”H x 22.25”W x 13.0”D, 18 lbs |

*** WARNING:** not compatible with standard receptacles, requires NEMA L5-30R receptacle.



X10 Carrier Current Compatible

| Specifications | |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Voltage Ratings | US 120 Volt, single phase (one hot leg & a neutral leg tied to earth ground at service entrance). Will operate over a voltage range of 85 - 175 volts with Spectrum WVR technology (MCOV=175Vac). Full load regulation 1%. Check line wiring for hot/neutral reversal prior to connecting this filter. Hot/neutral building wiring reversal can compromise any appliance’s safety and performance. |
| Operating Temperature Range | 0-40 deg. C |
| Technology | TSC Total Surge Cancellation & WVR Wide Voltage Range filter technology |
| Mode | Mode 1 applications, L-N (ground wire protection) |
| Safety Certifications | CSA 22.2 No. 8-M1986, UL 1283 5 th edition |
| Limiters | Series surge reactor current limiter; cascaded, auto-tracking dual polarity dynamic surge and noise sensing; bi-modal dynamic filtering. Parameters optimized for switch-mode power supply protection. |
| Dynamic filtering Onset | 172 volts nominal, 2 volts above peak line voltage (auto-tracking- WVR). |
| Max. Surge Voltage Let-through* | 20 Volts above peak line voltage @ 6,000 Volts, 3,000 Amps for ANSI C62.41 Category B3/C1 Combination Wave. |
| Max. Applied Pulse Voltage | 6,000 volts (1.2 x 50 μs – ANSI C62.41 Combination Wave) |
| Max. Applied Pulse Current | >100,000 amperes applied (unlimited due to internal current limiting) (8 x 20 μs). |
| Joule Rating | Not applicable to this technology. No MOV’s to wear out. |
| Endurance Rating | 1,000 worst case pulses: ANSI C62.41, Category B3/C1 pulses (6,000 Volts, 3,000 Amperes); >10,000 pulses at 4,000 Volts; >100,000 pulses at 2,000 Volts. |
| Filter Slew Rate | 5,000 volts/μs disturbance reduced to 28 v/μs within AC power wave envelope; 5 v/us outside the power wave envelope. |
| EMI-RFI Filter Response | Bi-directional, wave tracking: With 50 ohm Rgen., load: 3 dB@ 7kHz; 25 dB @100 kHz; 38 dB @300 kHz. |

*Note: Surge voltage let-through is the peak voltage that exceeds the powerline peak voltage.

100% Surge Protection, 0% Failure • Are you Zero Surge protected?

Zero Surge Inc. • 889 State Route 12 • Frenchtown, NJ 08825 • Tel.: 908-996-7700 • Fax: 908-996-7773

URL: www.ZeroSurge.com • Email: info@zerosurge.com

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