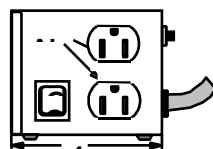
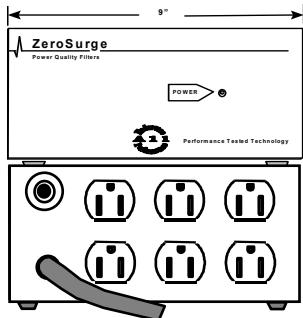


**8R Series – WVR 120V ac Single Phase**

Models	8R7.5W	8R15W	8R15W-I	8R20W
<b>Mfg Part #</b>	002-00709	002-00711	002-00713	002-00721
<b>Voltage/Hz</b>	120V ac nominal 50-60 Hz			
<b>Max. Load</b>	7.5 amps	15 amps	15 amps	20 amps
<b>Line Cord</b>	6 ft. 3-wire #14 black SJT, NEMA 5-15P right angle plug			8 ft. 3-wire #12 black SJT, NEMA 5-20P straight plug*
<b>Receptacles</b>	8 - NEMA5-15R, 2 always on, 6 switched		8 - NEMA5-15R, 2 always on, 6 switched. Each Duplex receptacle isolated	8- NEMA5-15R, 2 always on, 6 switched
<b>Enclosure</b>	Magnetic shielding steel, black powder coat finish			
<b>Weight</b>	6 lbs			6.5 lbs
<b>Dimensions</b>	4”H x 9”W x 4”D			
<b>Boxed Dim./Wt.</b>	6.5”H x 12”W x 8”D, 8 lbs			

\* **WARNING:** not compatible with standard receptacles, requires NEMA5-20R wall receptacle.



**X10** Carrier Current Compatible

<b>Specifications</b>	
<b>Voltage Ratings</b>	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.
<b>Operating Temperature Range</b>	0-40 deg. C
<b>Technology</b>	Spectrum WVR® Wide Voltage Range filter technology
<b>Mode</b>	Mode 1 applications, L-N (ground wire protection)
<b>Safety Certifications</b>	CSA 22.2 No. 8-M1986, UL 1283 5 <sup>th</sup> edition, UL 1363.
<b>Limiters</b>	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.
<b>Dynamic filtering Onset</b>	172 volts nominal, 2 volts above peak line voltage (auto-tracking- WVR).
<b>Max. Surge Voltage Let-through*</b>	130 Volts above peak line voltage @ 6,000 Volts, 3,000 Amps for ANSI C62.41 Category B3/C1 Combination Wave.
<b>Max. Applied Pulse Voltage</b>	6,000 volts (1.2 x 50 μs – ANSI C62.41 Combination Wave)
<b>Max. Applied Pulse Current</b>	>100,000 amperes applied (unlimited due to internal current limiting) (8 x 20 μs).
<b>Joule Rating</b>	Not applicable to this technology. No MOV’s to wear out.
<b>Endurance Rating</b>	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.
<b>Filter Slew Rate</b>	5,000 volts/μs disturbance reduced to 35 v/μs within AC power wave envelope; 10.0 v/us outside the power wave envelope.
<b>EMI-RFI Filter Response</b>	Bi-directional, wave tracking: With 50 ohm Rgen., load: 7 kHz @ 3 dB; 25 dB @100 kHz; 38 dB @300 kHz.

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