

Eaton Power-Suppress 100

Ultra-isolator noise suppressor and isolation provider



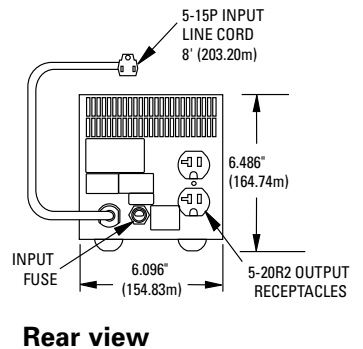
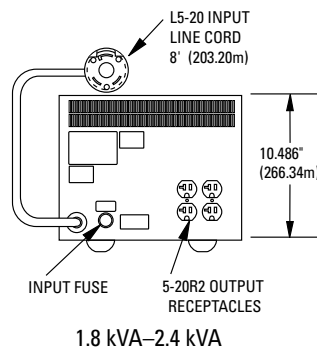
The Eaton® Power-Suppress™ 100 Ultra-Isolator Noise Suppressors protect sensitive equipment against electrical noise disturbances. Using exclusive double shielding techniques, the Power-Suppress 100 blocks all forms of electrical noise including RFI/EMI, over a broad range of frequencies. Furthermore, the noise suppression is achieved without impeding normal power flow.

Power-Suppress 100 Ultra-Isolator Noise Suppressors can reduce a 6,000 volt spike to an insignificant 0.0030 volt. These high-voltage transients contain enough energy to completely destroy the electrical circuit components that are vital to daily operation. Applications for the Power-Suppress 100 include audio and video equipment, computer and process equipment, telecommunications systems and virtually any sensitive electronic instruments.

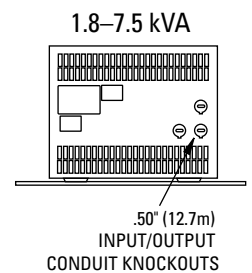
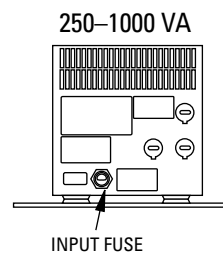
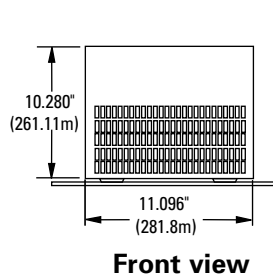
Features

- Traps unwanted harmonics
- Removes surge voltages and minimizes reflected THD
- Eliminates load generated feedback
- Available in both hardwired or line cord/receptacle models
- Fast and easy installation
- Long life operation
- Small footprint—saves valuable space
- Meets FCC Category A
- UL 1012, cUL, UL 1449
- Two-year, five-year warranty core & coil

Line-cord style



Terminal style



Powering Business Worldwide

TECHNICAL SPECIFICATIONS

Input voltage/frequency	120, 240, 480V*/60 Hz
Common-mode noise	140 dB @ 100 kHz
Normal-mode noise	65 dB @ 100 kHz
Overload capacity	600% for 1 cycle 300% for 30 seconds
Dielectric strength	2,500 Vac minimum
Frequency	60 Hz ±5%
Impedance	2–5% typical
Efficiency	93–97% typical
Input voltage range	±10% of nominal rated voltage
Load regulation	2–5% or less from no load to full load at unity power factor
Harmonic distortion	Adds less than 1% THD, under linear loading
Coil insulation	200°C
Temperature rise	115°C max rise above a 40°C ambient, depending on model
Electro-magnetic interference	<0.2 gauss @ 36 inches

ENVIRONMENTS

Audible noise	Less than 50 dbA measured at 3 feet from the noise suppressor
Operating temperature	0°C to 40°C
Storage temperature	-20°C to 50°C
Operating altitude	Up to 12,000 feet with derating
Operating humidity	95% relative (non-condensing)

STANDARDS

Safety agency	UL 1012, UL 1449, cUL listed, ANSI/IEEE C57.12.91 Meets FCC Category A, IEEE C62.41 Category A3
Warranty	Two years, five years for core and coil

PLUG & RECEPTACLES CONFIGURATION MODELS

Rating	Input plug	Output receptacle
250–1000 VA	5-15P	5-20R duplex
1.8 kVA	L5-20P	2 x 5-20R duplex
2.4 kVA	L5-30P	2 x 5-20R duplex

* 480V available for 5 and 7.5 kVA models only

POWER-SUPPRESS 100 MODELS

Style Number	Input-Output Voltages	Output VA	I/O Interface (NEMA)	H x W x D (in)	Weight (lb)
Line-cord/receptacle models					
T100R-0250	120 - 120	250	5-15P / (1) 5-20R2	6.49 x 6.10 x 12.00	16
T100R-0500	120 - 120	500	5-15P / (1) 5-20R2	6.49 x 6.10 x 12.00	22
T100R-0750	120 - 120	750	5-15P / (1) 5-20R2	6.49 x 6.10 x 12.00	28
T100R-1000	120 - 120	1000	5-15P / (1) 5-20R2	6.49 x 6.10 x 12.00	31
T100R-1800	120 - 120	1800	L5-20P / (2) 5-20R2	10.49 x 11.10 x 17.00	54
T100R-2400	120 - 120	2400	L5-30P / (2) 5-20R2	10.49 x 11.10 x 17.00	58
Terminal style models					
T100H-0250	120 / 240 - 120 / 240	250	Hardwired	6.42 x 6.10 x 12.00	16
T100H-0500	120 / 240 - 120 / 240	500	Hardwired	6.42 x 6.10 x 12.00	22
T100H-0750	120 / 240 - 120 / 240	750	Hardwired	6.42 x 6.10 x 12.00	28
T100H-1000	120 / 240 - 120 / 240	1000	Hardwired	6.42 x 6.10 x 12.00	31
T100H-1800	120 / 240 - 120 / 240	1800	Hardwired	10.28 x 11.10 x 17.00	54
T100H-2500	120 / 240 - 120 / 240	2500	Hardwired	10.28 x 11.10 x 17.00	58
T100H-5000	120 / 240 - 120 / 240	5000	Hardwired	10.28 x 11.10 x 17.00	86
T100H-5001	240 / 480 - 120 / 240	5000	Hardwired	10.49 x 11.10 x 17.00	92
T100H-7500	120 / 240 - 120 / 240	7500	Hardwired	10.28 x 11.10 x 17.00	116
T100H-7501	240 / 480 - 120 / 240	7500	Hardwired	10.28 x 11.10 x 17.00	111

Note: Input and output voltages can be configured for either 120 Vac or 240 Vac, 240 Vac or 480 Vac, as indicated above.



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