

Space Savers

Touchboards

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The ultimate protection solution when space is at a premium

Regardless of installation size, the choice of whether or not to install a power protection unit is linked to the issue of insufficient rack space. Regrettably, this choice can leave a system's equipment vulnerable to damage or failure.

The SurgeX Space Saver line has answered the calls for a more efficient space-saving unit that provides premium power protection. With a revolutionary design that enables more rack space, it features compact solutions that can be mounted with plugs facing up or down for maximum convenience and flexibility.

Power distribution is neatly organized at the back of the rack and provides easy access to the power cable configuration, eliminating the need to install the custom length power cords that large racks require. They feature a remote interface with indicator LED, over/under voltage protection LED, power on/off LED, self-test LED, and two power configurations for easy power management.

Incorporated with patented SurgeX Advanced Series Mode surge elimination technology, it is superior to conventional protectors and insures the highest level of protection against destructive spikes, surges, and inductive transients that can cause disruptions and catastrophic damage. They are completely non-sacrificial and eliminate all surge energy without producing harmful side effects such as ground contamination or common-mode disturbances. SurgeX Space Savers are the ultimate audio visual protection solution when space is at a premium.

Features:

- Compact mount space-saving solution
- Protects against power anomalies that can cause disruptions and equipment failure
- Superior Advanced Series Mode® technology
- Completely non-sacrificial and eliminates surge energy up to 6,000 volts without producing harmful side effects
- Power distribution neatly organized at the back of the rack
- Impedance Tolerant EMI/RFI filtering
- SurgeX ICE® (Inrush Current Elimination)
- Accepts both DC voltage and contact closure control inputs
- Two or more units can be cascaded together for larger systems

	Model Number	Plug Configuration		Description
		Input	Output	
	CM-1115-RT	(1x) NEMA 5-15P	(2x) NEMA 5-15R	Standalone Surge Eliminator, 15A
	CM-1120-RT	(1x) NEMA 5-20P	(2x) NEMA 5-20R	Standalone Surge Eliminator, 20A/120V
	CM-1115-RT18	(1x) NEMA 5-15P	(18x) NEMA 5-15R	Standalone Surge Eliminator, 15A/120V
	CM-1120-RT18	(1x) NEMA 5-20P	(18x) NEMA 5-20R	Standalone Surge Eliminator, 20A/120V
	CM-1115-RT24	(1x) NEMA 5-15P	(24x) NEMA 5-15R	Standalone Surge Eliminator, 15A/120V
	CM-1120-RT24	(1x) NEMA 5-20P	(24x) NEMA 5-20R	Standalone Surge Eliminator, 20A/120V

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Technical Specifications	CM-1115-RT / CM-1120-RT, CM-1115-RT18 / CM-1120-RT18, CM-1115-RT24 / CM-1120-RT24
Operational Voltage Range	90 to 150 Volts AC
Current rating	15/20 Amps
Power Rating	1,800/2,400 Watts
Maximum Load Inrush Energy	1000 Joules total during power-up
Under-Voltage Shutdown	90 V (resume at 100V)
Over-Voltage Shutdown	145V (resume at 135V)
Surge Let-through Voltage	Zero let-through Voltage for a 6000 Volt surge
Meets Federal Guidelines	Grade A, Class 1, Mode 1 (CID A-A-55818)
EMI/RFI Filter, Normal Mode	40 dB @ 100 KHz, 50dB @ 300 KHz, 50 dB @ 3 MHz, 50 dB @ 30 MHz (50 Ohm load)
EMI/RFI Filter, Common Mode	18dB @ 300 KHz, 30 dB @ 1 MHz, 50 dB @ 5 MHz, 50 dB @ 20 MHz (50 Ohm load)
Maximum Applied Surge Voltage	6,000 Volts *
Maximum Applied Surge Current	Unlimited (due to current limiting) *
Maximum Applied Surge Energy	Unlimited (due to current limiting) *
Endurance	(C62.41-1991 category B3 pulses), 1 KV > 500,000; 3 KV > 10,000; 6 KV > 1000
Number of Outlets	2, 8, 18, or 24; Model Dependent
Remote Control Voltage	5 to 30 Volts DC
Remote Control Current Draw	4 mA maximum
Contact Closure Max. Resistance	100 Ohms
Auxiliary Relay Contact Rating	30 Volts DC at 1 Amp
12 Volt Output Max. Current	20 mA
Dimensions (no rack ears or feet)	4.95" W x 9.50" D x 5.66" H
Weight	8.5 lb.
Attached Power Strip	RT18 Models: 1.625" W x 48" L x 1.5" Weight = 5.8 lb. RT24 Models: 1.625" W x 62" L x 1.5" Weight = 4.8 lb.
Temperature Range	5°C to 35°C
Humidity Range	5% to 95% R.H. Non-condensing
Agency Listings	ETL and cETL (UL 1449, Third Edition, Type 3 Surge Protective Device; UL 1283; CSA C22.2 No.8-M1986, R2004). Listed as base models SX-1115-RT, SX-1120-RT.

* 1.2 x 50 microsecond industry standard combination wave surge as per IEEE C62.41

CAUTION: Do not repeatedly turn a unit off-on-off-on with a heavy load connected. The ICE™ circuitry absorbs the inrush energy each time the unit is turned on and may overheat if this is done too many times in a short period of time. Wait one minute between repeated turn-ons.

CAUTION: Do not install this device if there is not at least 10 meters (30 feet) or more between the electrical outlet and the electrical service panel.