SEQ-1U

TECHNICAL DESCRIPTION

The SEQ-1U shall be a one-rack-space unit in a magnetic shielding steel enclosure. It shall operate from 120 volts AC and have a 9-foot, grounded, 3-wire #12 line cord. There shall be 6 grounded AC receptacles in three banks of two on the rear panel, each bank sequenced from the previous bank by an adjustable 0 - 40 second delay, and two receptacles always on. There shall be an LCD display that shows unit status and AC line voltage, and two screwdriver adjustments to program the unit. Overall dimensions shall be 1.75" H x 19" W x 12.25" D. Weight shall be 13 pounds. The unit shall have remote turn-on capabilities enabled by wired connections to a terminal block. Remote turn-on and turn-off shall be activated by either a contact closure or applied DC voltage. There shall be an output voltage source for connection to a remote LED status indicator and a relay output for control and cascading. The SEQ-1U shall have a load rating of 20 amps at 120 volts, a self-test circuit with visual indicator, and provide EMI/RFI filtering, inrush current elimination, zero-cross switching, and catastrophic over/under-voltage shutdown. It shall withstand at least 1000 occurrences of surge pulse voltages up to 6000 volts.

SPECIFICATIONS		SEQ-1U
Load Rating		20A
Voltage Rating		120V
Power Requirement (no load)		15 W
Input/Mains Plug Type		5-20P
Input/Mains Cord Length		9'
# of Receptacles		8
Receptacle Type		(6) 5-15R (2) 5-20R
Maximum Applied Surge Voltage		6000 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
EMI/RFI Filter	Normal mode (50Ω load)	> 30dB, 70kHz - 50MHz 42 dB @ 100 kHz; 60 dB @ 300 kHz; 80 dB @ 3 MHz; 50 dB @ 30 MHz
	Common Mode (50Ω load)	> 20dB, 280kHz - 50MHz > 30dB, 1MHz - 50MHz 20 dB @ 300 kHz; 30 dB @ 1 MHz; 44 dB @ 5 MHz; 44 dB @ 20 MHz
Under-Voltage Auto Shutdown		Adjustable from 90V to 110V. Default 90V.
Over-Voltage Auto Shutdown		Adjustable from 130V to 150V. Default 150V.
Over-Current Auto Shutdown		Circuit Breaker
Over-Temperature Auto Shutdown		None
Network Port		No
Serial Port		None
Temperature Sensor Input		None
BTU/h Max		200 BTU/h
Auxiliary Relay Outputs		2 x screw terminal
Contact Closure Input		2 x screw terminal
Dimensions		1.75" H x 19.0" W x 12.25" D
Weight		13 lbs
Temperature Range:		5C to 35C
Humidity Range		5% to 95% R.H. Non-condensing
Agency Listings		Conforms to UL Stds 1283 & 1449 Certified to CSA Std C22.2 No. 8

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

** Specifications subject to change without notice

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