



SA-82-AR

TECHNICAL DESCRIPTION

The SA-82-AR shall be a compact mountable unit in a magnetic shielding steel enclosure. It shall operate from 120 volts AC and include a separate 3-foot, grounded, 3-wire #18 line cord. There shall be 2 grounded AC receptacles. Overall dimensions shall be 1.75" H x 5.31" W x 9.06" D. Weight shall be 3.4 pounds. The SA-82-AR shall have a load rating of 8 amps at 120 volts, a self-test circuit with visual indicator, and provide EMI/RFI filtering and catastrophic over-voltage shutdown. It shall have remote control, scheduling, and AutoPing functions via wired Ethernet HTTP, Telnet, and DxP protocols. It shall withstand at least 1000 occurrences of surge pulse voltages up to 6000 volts.

SPECIFICATIONS		SA-82-AR
Load Rating		8A
Voltage Rating		120V
Power Requirement (no load)		12 W
Input/Mains Plug Type		IEC C14
Input/Mains Cord Length		3'
# of Receptacles		2
Receptacle Type		5-15R
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)	>20dB 27kHz - 50MHz > 30dB 90kHz - 26MHz 30 dB @ 100 kHz; 56 dB @ 300 kHz; 64 dB @ 3 MHz; 24 dB @ 30 MHz
	Common Mode (50Ω load)	> 10dB 360kHz - 50MHz > 20dB 2 MHz - 40MHz 9 dB @ 300 kHz; 16 dB @ 1 MHz; 28 dB @ 5 MHz; 35 dB @ 20 MHz
Under-Voltage Auto Shutdown		No
Over-Voltage Auto Shutdown		145V
Over-Current Auto Shutdown		Circuit Breaker
Over-Temperature Auto Shutdown		None
Network Port		Single 10/100 Unshielded Twisted Pair Ethernet Jack
Serial Port		None
Temperature Sensor Input		None
BTU/h Max		0
Auxiliary Relay Outputs		No
Contact Closure Input		No
Dimensions		11.375" W x 7.625" D x 1.8125" H
Weight		4.75 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

Specifications Version: ESP-SRX_Product_Specs_Master 03.05.21.xlsx

