ACR1509, ACSPR1509, ACSPR1509VTE

Rackmount AC with Opt'l Surge & Over/Under Protection

Specifications

All Models (ACR1509, ACSPR1509, ACSPR1509VTE)

Power Rating:	120VAC, 60Hz, 15A 1800W	
Actuation Switch:	Front panel lighted on/off rocker switch	
Termination:	9 foot cord with NEMA 5-15P plug	
Circuit Breaker	15A	
Receptacles: (9)	Front:	One single unswitched - always on (independently protected by 5A circuit breaker)
	Rear:	One duplex unswitched - always on, One single unswitched - always on, One duplex switched, Three single switched
Chassis:	Steel with black powder epoxy paint finish.	
Dimensions:	19"W x 1.75"H (1RU) x 9"D	
Weight:	12 lbs.	
Safety Agency Approvals:	ETL Listed in US and Canada to UL Standard 60065	

Additional for Models with Surge Suppressor (ACSPR1509, ACSPR1509VTE)

Maximum Surge Current	72,000A (exceeds UL1449-2 6000V, 3000A).
Initial Clamping Voltage	205V, UL rating 330V
Endurance	IEEE C62.41-1991, B3 (C1), Pulses (lifetime): 1kv≥1,000,000; 3kv≥100,000; 6kv≥5000
Transient Noise Reduction	25dB@100kHz, 50dB@1MHz
Response Time	Less than 5 nanoseconds
Protection Mode	Line to neutral, zero ground leakage
UL1449-2 Adjunct Results	1000 surges, 6000 volts, 3000A, C1 and B3 waveforms (IEEE C62.41), ***No failures***
Federal GSA specs (1996)	Grade A, Class 1, Mode 1
Diagnostic LED's	Top (Green): On = Ground verified, Center (Green): On = Protection active, Bottom (Red): On = Protection reduced*.
Applicable Standards:	IEEE standard 587-80 A & B, IEEE standard C62.41-1991, IEC 1000-4-5-1995 (IEC 801-5).
EMI/RFI Filter:	19dB@500kHz, 42dB@30MHz

**Lowell's Triple Clamping Redundancy is exactly that - triple clamping for triple protection. This means that if one section of the suppressor has 'reduced protection', there are two additional sections available to safeguard equipment. Device is endurance tested: Grade A, Class 1, Mode 1.*

Additional for Model with Voltage Tolerance Envelope (ACSPR1509VTE)

Over/Under Voltage Protection	All receptacles turn off when power in exceeds 140V or drops below 100V. Receptacles turn back on when power returns to acceptable range.

Models

ACR-1509 .....AC
ACSPR-1509 .....AC + surge
ACSPR-1509-VTE .....AC + surge + over/under protection

Description

Feature strong family of AC power panels let you select the options and protection criteria you need to meet specifications. All models are ETL Listed assemblies in a slim rackmount chassis size 19"W x 9"D x 1.75"H (1RU). The front panel includes a lighted on/off actuation switch, a 15A system circuit breaker and a receptacle (always on) that is independently protected by a 5A circuit breaker. The rear panel layout has one unswitched duplex outlet, one unswitched single outlet, one switched duplex, three switched single outlets and a 9 foot cord with NEMA 5-15P plug.

Model ACR1509 is a 15A power panel with all features noted in the description paragraph.

Model ACSPR1509 is a 15A power panel with the features noted in the description paragraph *plus* line-to-neutral surge suppression. The surge suppressor provides GSA Grade A - Mode 1 - Class 1 endurance along with UL1449-2 and ANSI C62.41 surge suppression compliance and Lowell's 10-year warranty. The front panel also includes multi-color LED's for visual identification of system status.

Model ACSPR1509VTE is a 15A power panel with the features noted in the description paragraph *plus* line-to-neutral surge suppression *plus* over/under voltage protection. The surge suppressor provides GSA Grade A - Mode 1 - Class 1 endurance along with UL1449-2 and ANSI C62.41 surge suppression compliance and Lowell's 10-year warranty. The front panel also includes multi-color LED's for visual identification of system status. Lowell's over/under Voltage Tolerance Envelope™ (VTE) circuitry with auto reset turns all receptacles off when line voltage exceeds 140V or drops below 100V for circumstances such as extended line voltage rises or sags. Following a voltage tolerance shutdown, the unit will automatically restore power to the receptacles when the unit detects acceptable line voltage.

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Lowell Manufacturing Company • 100 Integram Drive • Pacific, Missouri 63069 U.S.A.
Call 800.325.9660, 636.257.3400 • **Fax** 636.257.6606 • **Click** www.lowellmfg.com

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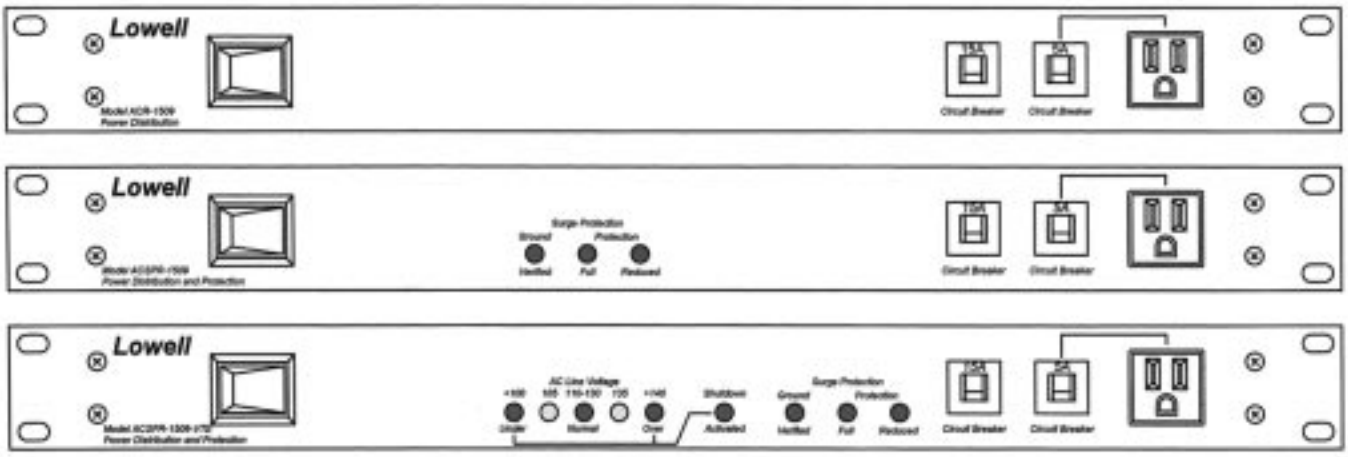
A & E Specifications

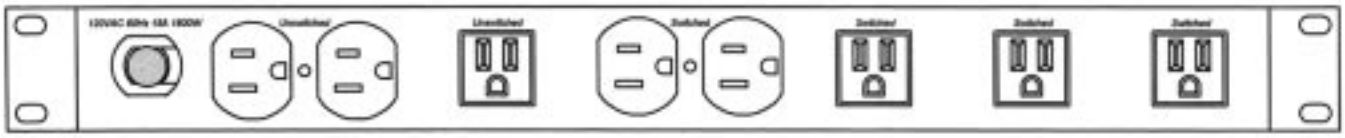
The AC power panel shall be Lowell Model _____ (ACR1509 *AC Power*, ACSPR1509 *AC + Surge Suppression*, ACSPR1509VTE *AC + Surge Suppression + Over/under Voltage Protection*). It shall be an ETL Listed assembly with an EIA rackmount chassis size 19"W x 9"D x 1.75"H (1RU). The front panel shall include a lighted on/off actuation switch, a 15A system circuit breaker and a receptacle (always on) that is independently protected by a 5A circuit breaker. The rear panel shall have one unswitched duplex outlet, one unswitched single outlet, one switched duplex, three switched single outlets and a 9 foot cord with NEMA 5-15 plug.

Models with surge suppressor shall also include: Line to neutral surge suppressor with GSA Grade A - Mode 1 - Class 1 endurance with UL1449-2 and ANSI C62.41 surge suppression compliance, and 10-year warranty. The front panel shall also include multi-color LED's for visual identification of system status.

Models with surge suppressor and over/under protection shall also include: Line to neutral surge suppressor with GSA Grade A - Mode 1 - Class 1 endurance with UL1449-2 and ANSI C62.41 surge suppression compliance, and 10-year warranty. The front panel shall also include multi-color LED's for visual identification of system status. Over/under voltage protection shall be provided by the Voltage Tolerance Envelope™ (VTE) circuitry with auto reset. The VTE turns all receptacles off when line voltage exceeds 140V or drops below 100V. Following a voltage tolerance shutdown; the unit will automatically restore power to the receptacles when acceptable line voltage is detected.



Front Panel Layout: ACR1509, ACSPR1509, ACSPR1509VTE



Rear Panel Layout: ACR1509, ACSPR1509, ACSPR1509VTE

See also Lowell's AC panels with surge suppressor and optional sequencer or remote control.

ACSPR-SCS4-1509
AC + surge + sequencer

ACSPR-RPC1-1509
AC + surge + remote control