Model No's.

ACSPR-RPC1-1509 rocker switch
ACSPR-RPC1-1509K key switch

15A rackmount panels with remote power control, surge protection

Slim (1U) 19"W rackmount panels feature 15A power outlets with auto-reset over/under voltage protection and remote power control. It has three (3) unswitched outlets and six (6) switched that can be remotely controlled. Unit is offered with rocker or key switch activation.

Features

- Power rating 120VAC 60Hz/15A with EMI/RFI filtering
- Terminates with 9 ft. attached cord and NEMA 5-15P plug
- Front rocker or key switch (on/off)
- One front and two rear unswitched outlets (always on); six rear switched outlets (activated by on/off switch)
- Color coded LED status indicators
- VTE circuitry with auto-reset designed to turn all outlets 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 event, the unit will automatically restore power to the outlets when the unit detects acceptable line voltage. If the shutdown event was a power outage, the switched receptacles will remain off until reactivated.
- Remote power control (RPC) circuitry allows for on/off control by external DSP timed events.
- Rear terminal block for connection to optional remote switches (momentary) and remote triggers (maintained) for on/off functions.
- Integral override facilitates use in life safety applications where fire code mandates an alarm interface.
- Surge protector — UL1449 fourth edition and ANSI C62.41 compliant. Defeats surges up to 72,000A.
- ETL Listed in the US and Canada UL Standard 60065
- Made in the U.S.A.

A & E Specifications

The AC control device shall be Lowell Model _____ with surge protector, auto-reset over/under voltage protection, remote power control, and EMI/RFI filtering. It shall be an ETL Listed 15A device that provides safeguarded power distribution from a 1U rackmount chassis with three unswitched outlets (1 front, 2 rear) and six switched outlets that can be remotely controlled. It shall include an alarm interface with lock on, lock off and switch lock functions. Front actuation shall be via _____ (rocker, key) switch.

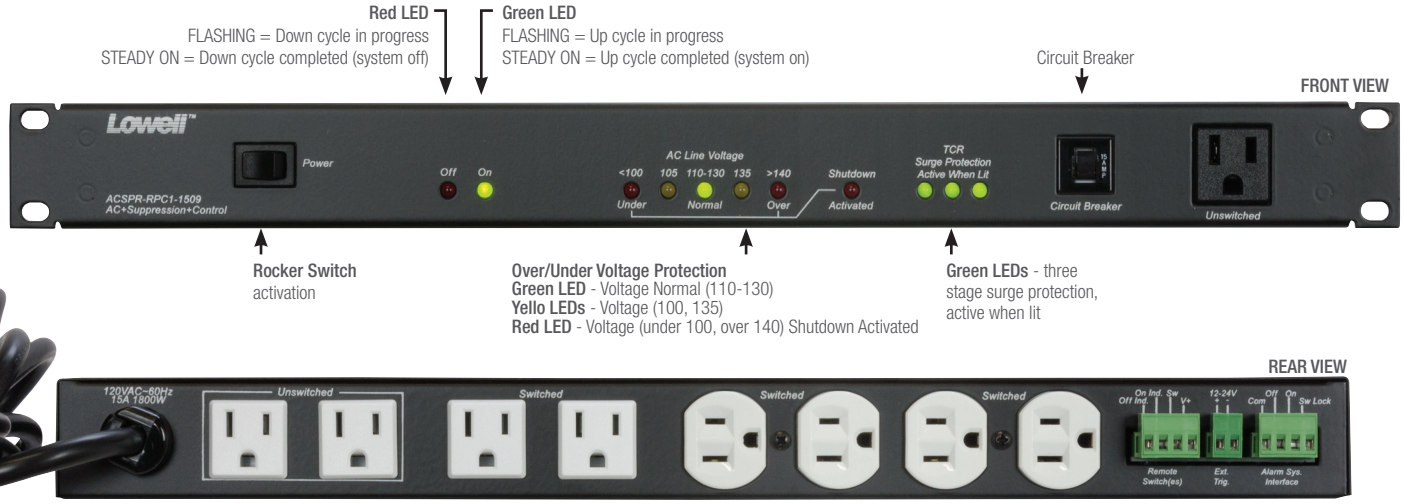
Specifications

Power Rating:	120VAC, 60Hz, 15A 1800W
Actuation Switch:	Front rocker or key switch with momentary contacts (normally open SPST) plus rear barrier strip termination blocks for momentary (normally open) remote switches and DSP timed events.
External Trigger Voltage:	12-24 volts AC or DC, 5mA
Alarm Interface:	Lock on, lock off and switch lock for alarm system or master control panel applications.
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.
External Control Connections:	Plug-in barrier strip terminal blocks
Termination:	9 ft. attached cord with NEMA 5-15P plug
EMI/RFI Filter:	19dB@500kHz, 42dB@30MHz
Front Receptacle:	One single unswitched (always on)
Rear Receptacles:	Two single unswitched (always on) Two single switched Two duplex switched
Chassis:	Steel with black powder epoxy finish. 19"W x 1.75"H (1U) x 9"D (12 lbs.)
Agency Approvals:	ETL Listed in US and Canada to UL Standard 60065 "Audio, Video and Similar Electronic Apparatus"

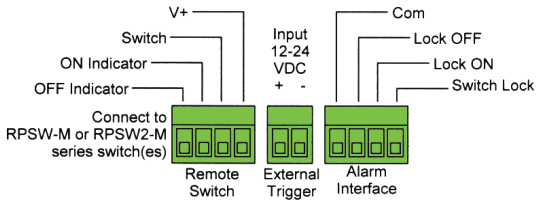
Three Stage Surge Protector:

Maximum Surge Current:	72,000A (exceeds UL1449-4 6000V, 3000A)
Initial Clamping Voltage:	205V, UL rating 400V
Endurance:	IEEE C62.41-1991, B3 (C1), Pulses (lifetime): 1kv≥1,000,000; 3kv≥100,000; 6kv≥5,000
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
Diagnostic LEDs:	One green LED for each stage* All stages active when all lit
Applicable Standards:	IEEE standard 587-80 A & B, IEEE standard C62.41-1991, IEC 1000-4-5-1995 (IEC 801-5).

** Lowell's Triple Clamping Redundancy (TCR) is exactly that — triple clamping for triple protection. This means that if one section of the suppressor has gone off-line there are two additional sections available to safeguard equipment. Device is endurance tested.*

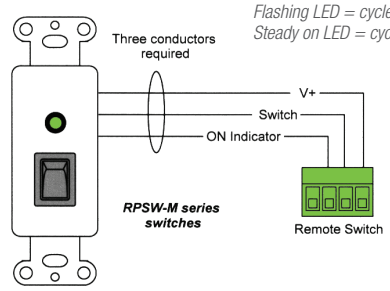


Includes 9-ft. attached cord
with NEMA 5-15P plug



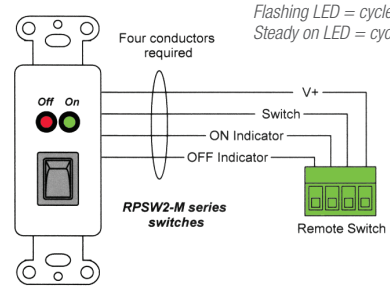
REMOTE SWITCH CONNECTIONS

Unit may be controlled using a MOMENTARY closure switch that is remotely located (order separately).



MOMENTARY SWITCHES with single LED

- Rocker switch with wall plate: RPSW-MP (white), RPSB-MP (black)
- Rocker switch in 19"W rackmount panel: RPSB-MR
- Key switch with wall plate: RPSW-MKP (white), RPSB-MKP (black)
- Key switch in 19"W rackmount panel: RPSB-MKR



MOMENTARY SWITCHES with 2 LEDs

- Rocker switch with wall plate: RPSW2-MP (white), RPSB2-MP (black)
- Rocker switch in 19"W rackmount panel: RPSB2-MR
- Key switch with wall plate: RPSW2-MKP (white), RPSB2-MKP (black)
- Key switch in 19"W rackmount panel: RPSB2-MKR

EXTERNAL TRIGGER

Unit may be controlled by providing a maintained trigger voltage from a separate control system (provided by others).

Note: Utilizing this control method does not disable latching function of the front panel switch. If the unit is to be controlled exclusively by external trigger voltage, remove cover and disable front panel switch by unplugging the 2-conductor ribbon cable. This will prevent an inadvertent push of the front panel switch from keeping the unit on after the trigger voltage is removed.

ALARM SYSTEM INTERFACE

If required by local building code, facility usage, or the Fire Marshal; the system switches can be overridden and the system controlled by contact closures provided by the fire alarm panel or other similarly installed device. A maintained contact between the 'com' terminal and any of the terminals shown will provide the following functions.

Lock Off: A maintained contact between the 'com' terminal and the 'lock off' terminal will turn the system off and keep it off regardless of other switch activations. If the system is already off, it will be kept off.

Lock On: A maintained contact between the 'com' terminal and the 'lock on' terminal will turn the system on and keep it on regardless of other switch activations. If the system is already on, it will be kept on.

Switch Lock: A maintained contact between the 'com' terminal and the 'switch lock' terminal will lock the system in its current state, either on or off, regardless of any other switch activations. Note: Switch lock function is overridden by External Trigger voltage.

CAUTION: Do not allow alarm system to make more than one of the above described contacts at the same time. Controller board damage may result.

Maximum wire distances
24ga: 20,000 ft (approx. 3.5 miles), 22ga.: 31,200 ft. (approx. 5.5 miles), 18ga.: 76,800 ft. (approx. 13.5 miles)