

# 19" Rackmount AC Panel w/Sequencer & Opt'l Surge – 15A Corded

## Description:

Rackmount power panels with 4-step sequencer, alarm interface and optional surge suppression are ETL Listed in the US and Canada to UL Standard 60065. They have a power rating of 120V AC, 60Hz/15A with EMI/RFI filtering and include three unswitched single outlets (one front, 2 rear) and six rear switched outlets for sequential activation of connected equipment. Front activation switch is rocker or key (-K) style. Models ACR-SCS4-1509 and ACR-SCS4-1509K are without surge suppressor. Models ACS-SPR-SCS4-1509 and ACS-SPR-SCS4-1509K include advanced surge suppression.

All sequential power panels are engineered to provide time delayed 4-step activation and de-activation of equipment that is directly plugged in to the unit. The adjustable delay between sequenced steps is located on the front of the unit and may be set at 0.5 to 10 seconds. Adjustments are made using a small screwdriver to avoid unintended sequence changes.

Models are packaged in a slim 1RU steel chassis painted black with clearly marked and color coded LED's on the front for status indication of connected equipment. The rear panel includes a terminal block for connection to optional remote switches (momentary style - order separately). The rear panel also includes a terminal block so that system switches can be overridden for life safety system applications where fire code mandates an alarm interface. Models terminate with a nine foot cord and NEMA 5-15P plug.

Models with surge suppressor are UL 1449 third edition and ANSI C62.41 compliant to defeat surges up to 72,000A.

## Features:

- 15A power panel with sequential power control and alarm interface.
- Models with surge suppressor are UL 1449 third edition and ANSI C62.41 compliant to defeat surges up to 72,000A.
- Sequential power control allows connected equipment to be turned on/off in time delayed 4-step process.
- Integral override facilitates use in life safety applications where fire code mandates an alarm interface.
- Ten-year warranty.
- Rocker-switch or key-switch activation.
- ETL Listed in the US and Canada.
- Made in the U.S.A.

## A & E Specifications:

The AC power panel with 4-step sequencer shall be Lowell Model \_\_\_\_\_ (ACR-SCS4-1509, ACR-SCS4-1509K). The AC power panel with 4-step sequencer and surge suppressor shall be Lowell Model \_\_\_\_\_ (ACS-SPR-SCS4-1509, ACS-SPR-SCS4-1509K). It shall be ETL Listed and have a power rating of 120VAC, 60Hz/15A with EMI/RFI filtering and nine outlets (3 unswitchd, six switched) to sequentially activate/deactivate equipment in four steps with a sequence delay of 0.5 to 10 sec. It shall be housed in a 1U rackmount chassis with color coded LED's. Front activation switch shall be \_\_\_\_\_ (rocker switch, keyswitch). Termination shall be 9ft cord with NEMA 5-15P plug. Models with surge suppressor shall be UL 1449 third edition and ANSI C62.41 compliant to defeat surges up to 72,000A

Model: ACS-SPR-SCS4-1509



## Specifications:

### General (all models)

Power Rating: 120VAC, 60Hz, 15A 1800W  
 Actuation Switch: Front panel rocker or key switch with momentary contacts (normally open SPST) plus rear barrier strip termination blocks for momentary (normally open) remote switches.  
 Alarm Interface: Lock on, lock off and switch lock functions for alarm system or master control panel applications.  
 External Control Connections: Plug-in barrier strip terminal blocks  
 Termination: 9 foot cord with NEMA 5-15P plug  
 EMI/RFI Filter: 19dB@500kHz, 42dB@30MHz  
 Safety Agency Approvals: ETL Listed in US and Canada to UL Standard 60065 "Audio, Video and Similar Electronic Apparatus".

### Mechanical (all models)

Dimensions / weight: 19"W x 1.75"H (1U) x 9"D / 12 lbs.  
 Receptacles: (9)  
 Front: One single unswitched - always on  
 Rear: Two single unswitched - always on, Step 1: One single switched, Step 2: One single switched, Step 3: One duplex switched, Step 4: One duplex switched  
 Delay between steps: 0.5 - 10 seconds (front screwdriver adjust)  
 Chassis construction: Steel with black powder epoxy paint finish.

### Surge Suppressor : Models ACS-SPR-SCS4-1509, ACS-SPR-SCS4-1509K only

Maximum Surge Current 72,000A (exceeds UL 1449-3 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  
 Diagnostic LED's Left (Green): On = Ground verified, Center (Green): On = Protection active, Right (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).

\*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.

Model	Description	Amperage	On/Off Switch
ACR-SCS4-1509	AC Rackmount Panel (1U) with sequential power control	15A	Rocker
ACR-SCS4-1509K	AC Rackmount Panel (1U) with sequential power control	15A	Key
ACS-SPR-SCS4-1509	AC Rackmount Panel (1U) with sequential power control, advanced surge suppression	15A	Rocker
ACS-SPR-SCS4-1509K	AC Rackmount Panel (1U) with sequential power control, advanced surge suppression	15A	Key

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Front  
Model: ACR-SCS4-1509K



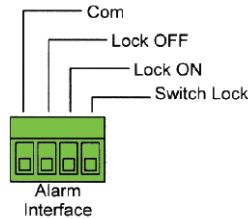
Front  
Model: ACS-SCS4-1509



Rear (all models) Includes 9-ft. attached cord with NEMA 5-15P plug.

### Alarm 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.

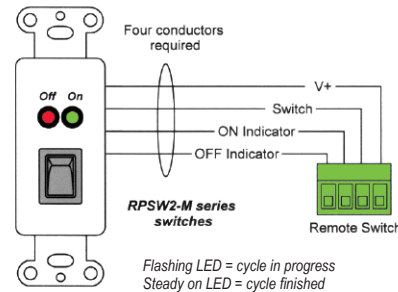
**Lock On:** A maintained contact between the 'com' terminal and the 'lock on' terminal will turn the system on and keep it on regardless of other switch activations. If the system is already on, it will be kept on.

**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.*

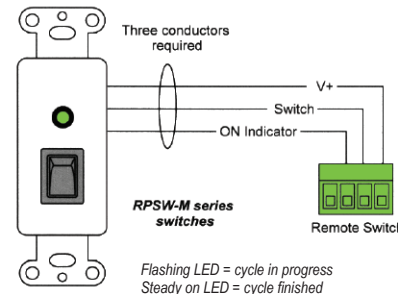
### Remote Switch

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



### Momentary Switches with 2 LEDs

Wall Plate Series: RPSW2-MP (white), RPSB2-MP (black)  
Rack Panel Model: RPSB2-MR (1U)



### Momentary Switches with 1 LED

Wall Plate Series: RPSW-MP (white), RPSB-MP (black)  
Rack Panel Model: RPSB-MR (1U)

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)