

Rackmount Panel with Sequencer

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 120VAC, 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. Slim (1U) steel chassis has color coded LED status indicators. Panels are engineered to provide time delayed 4-step activation/deactivation of equipment directly plugged into the unit. 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. Rear panel includes a terminal block for connection to optional remote switches (momentary). 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. Terminates with 9-ft. cord and NEMA 5-15P plug.

Model No's. ACS-SPR-SCS4-1509 and ACS-SPR-SCS4-1509K also include advanced surge suppression (UL1449 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 UL1449 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.
- 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, ACS-SPR-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 unswitched, 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, key switch). Termination shall be 9-ft. cord with NEMA 5-15P plug. Models with surge suppressor shall be UL1449 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)

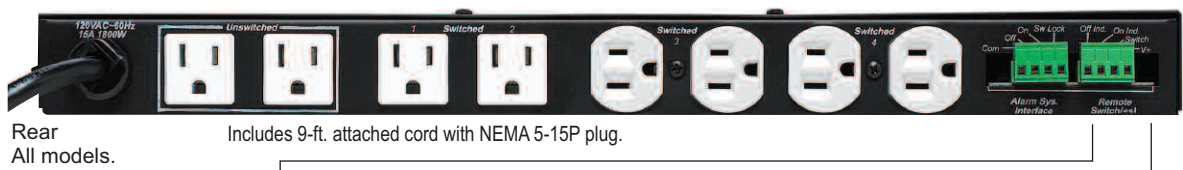
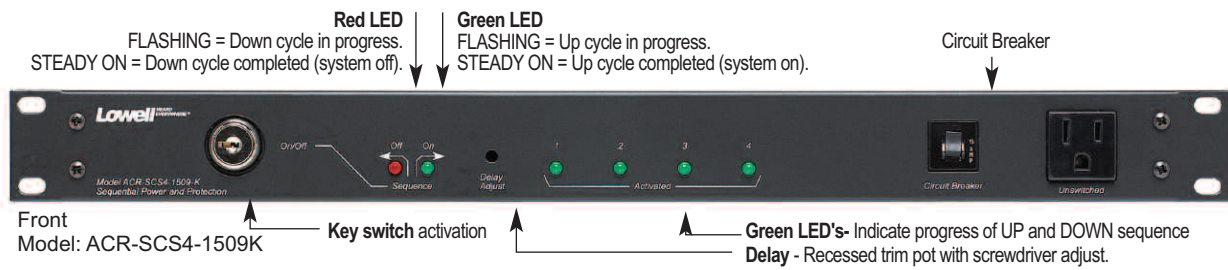
| | |
|-----------------------|---|
| Dimensions / weight: | 19"W x 1.75"H (1U) x 9"D / 12 lbs. |
| Receptacles: (9) | Front: One single unswitched - always on Rear: Two single unswitched - always on, Step 1: One single switched, Step 2: One single switched Step 3: One duplex switched Step 4: One duplex 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 UL1449-3 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). |

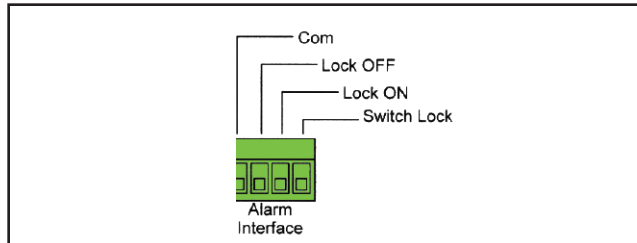
*Lowell's Triple Clamping Redundancy is exactly that - triple clamping for triple protection. This means that if one section of the suppressor has 'reduced protection', there are two additional sections available to safeguard equipment. Device is endurance tested.

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



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.

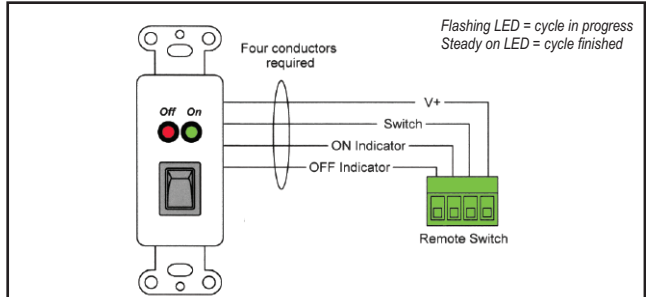
Switch Lock: A maintained contact between the 'com' terminal and the 'switch lock' terminal will lock the system in its current state, either on or off, regardless of any other switch activations. Note: Switch lock function is overridden by External Trigger voltage.

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.

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)

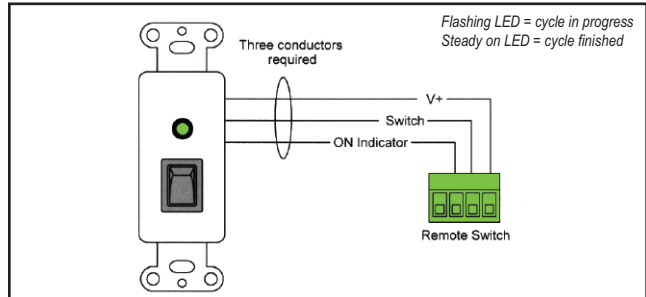
Remote Switch

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



MOMENTARY Switches (with 2 LEDs)

- Wall Plate models: Rocker Switch: RPSW2-MP (white), RPSB2-MP (black)
Key Switch: RPSW2-MKP (white); RPSB2-MKP (black)
- Rack Panel models: Rocker Switch: RPSB2-MR
Key Switch: RPSB2-MKR



MOMENTARY Switches (with 1 LED)

- Wall Plate models: Rocker Switch: RPSW-MP (white), RPSB-MP (black)
Key Switch: RPSW-MKP (white), RPSB-MKP (black)
- Rack Panel models: Rocker Switch: RPSB-MR
Key Switch: RPSB-MKR

