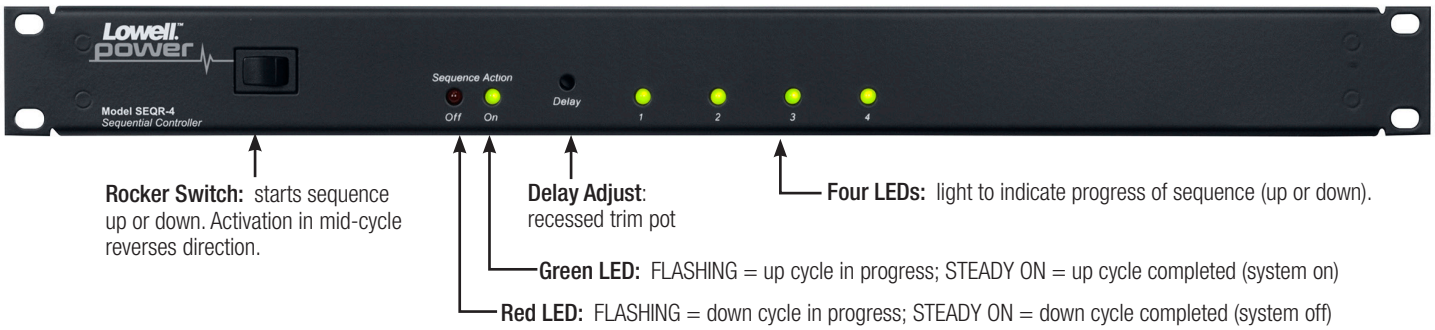
Lowell™
Distributed Audio, Power & Rack Solutions

Rackmount Sequencer (4 step): SEQR-4

Made in USA

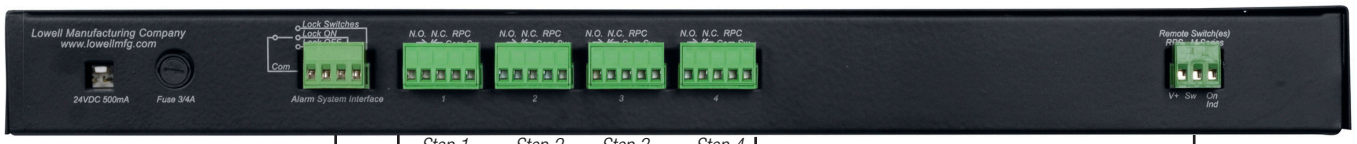


The low voltage rackmount sequencer is used in conjunction with remote power controls (RPCs) to provide time-delayed activation and deactivation of connected equipment, often located in another rack, room or building. The sequencer can also control accessory systems such as projector screens, lighting or blinds. To initiate sequencing, use the rocker switch on the front panel or connect an external switch to the rear terminal block for remote activation.

Note: This sequencer is for use with compatible components that feature classic connections. It is not for use with devices that feature pass-through connections.

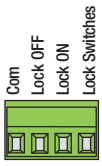
FEATURES:

- **Power Requirement:** 100-240VAC 500mA max.
- **Rackmount Chassis:** 19" x 9" x 1.75" steel chassis with black powder epoxy finish.
- **Activation Trigger:**
  - Rocker Switch: Sequencing is typically initiated by the front rocker switch. Activation in mid-cycle reverses direction.
  - Remote Switch (optional): External switch(es) with MOMENTARY closure can be connected to the rear barrier strip terminal block to initiate sequencing. Up to eight momentary switches can be connected in parallel.
- **Four Step Sequencer:**
  - The rear has four barrier strip control outputs that activate in sequential order (1, 2, 3, 4) and deactivate in reverse order.
  - The delay between steps can be adjusted (0.5-10 seconds) via a trimpot on the front panel.
  - LEDs provide visual status of the activation sequence. A green LED flashes when the system is cycling up and remains steady when the system is on. The red LED flashes when the system is cycling down and remains steady when the system is off.
  - Includes auxiliary 24VDC output (300mA max.) for use with remote indicators, if needed.
- **Rear Connections:** Plug-in barrier strip terminal block. See installation drawings on page two.
  - Input from Alarm System Interface: System switches can be overridden by contact closures provided on a fire alarm panel or a similarly installed device. Make one contact only (Lock Off, Lock On, or Switch Lock).
  - Output to RPC and/or Accessory System (steps 1-4):
    + To sequentially activate equipment, connect the Common and Switched Relay contacts on an output to a remote power control, then plug the equipment in to the RPC. Each output can control up to ten RPCs.
    + To sequentially activate an accessory system or indicator, connect dry contacts (N.O., N.C., Com.) on an output to the accessory device.
  - Input from Remote Switch(es): Connect Lowell remote switch(es) that have MOMENTARY closure and one LED. Up to eight switches can be connected in parallel.
- **Power Supply:** UL Listed power supply (100-240VAC input, 24VDC 500mA output) with 6 ft. cord and NEMA 1-15P plug. Includes three adaptors for international use (Schuko CEE 7/16, BS1362, AS3112).
- **Country of Origin:** Made in U.S.A. with global components
- **A&E Specifications:** The sequencer shall be Lowell model SEQR-4, which shall feature a front rocker activation switch, trimpot for four-step delay adjustment of sequence operation (1/2 to 10 sec.), and LED status indicators. The rear shall feature barrier strip terminals to connect Lowell remote power controls, dry auxiliary contacts to connect accessory devices, contacts to connect an external remote momentary style switch, and an alarm system interface. The 19" x 9" x 1.75" rackmount chassis shall be steel with black powder epoxy finish. The sequencer shall be made in the U.S.A. with global components. It shall include a power supply with 100-240VAC input, 24VDC 500 mA output, and six ft. power cord with four plug adaptors.



Includes power supply

Step 1 *Step 2* *Step 3* *Step 4*



ALARM SYSTEM INTERFACE:

If required by local building code, facility usage, or the Fire Marshal; the system functions 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.

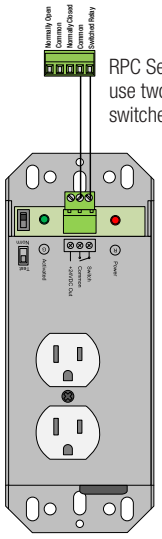
CAUTION: Do not allow alarm system to make more than one of the following contacts at the same time—controller board damage may result.

- **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 remain 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 remain 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.

RPC CONNECTIONS:

Connect equipment to Lowell RPC Series remote power controls that feature classic connections (not pass-through), and connect the RPCs to one of the four steps on the sequencer using two connectors (Common, Switched Relay). The sequencer allows up to 10 RPCs to be connected in parallel on each of the four circuits.

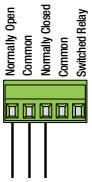
NOTE: Common connections from multiple RPCs controlled by different sequence steps can be consolidated into one conductor and connected to any common terminal at the sequencer.



RPC Series remote power controls use two connectors (common, switched relay)

AUXILIARY DRY CONTACTS:

Each of the four outputs features accessory contacts (Normally Open, Common, Normally Closed) with contact rating of 5A max. for connection to accessory systems or indicator devices (projector screens, lighting, blinds, etc.)

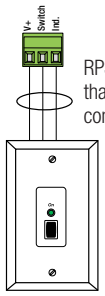


Accessory systems contacts (normally open, common, normally closed).

REMOTE SWITCH CONNECTIONS:

Lowell RPS Series switches with MOMENTARY closure and a single LED can be connected to control the sequencer from remote locations. Up to eight switches may be connected in parallel. Select switches with rocker or key activation.

Maximum wire distances:
24-gauge = 20,000 ft.; 22-gauge = 31,200 ft.; 18-gauge = 76,800 ft.



RPS Series MOMENTARY switches that feature one LED use three connectors.

COMPATIBLE COMPONENTS: (order separately)

- **REMOTE SWITCHES:** (RPS Series with MOMENTARY closure and one LED)

Model	*Description*
RPSW-MP	1 LED rocker switch, white wall plate
RPSB-MP	1 LED rocker switch, black wall plate
RPSB-MR	1 LED rocker switch, 19" panel
RPSW-MKP	1 LED key switch, white wall plate
RPSB-MKP	1 LED key switch, black wall plate
RPSB-MKR	1 LED key switch, 19" panel

- **REMOTE POWER CONTROL:** (RPC Series with classic connections)

Model	*Description*	*Model*	*Description*
RPC-15	RPC with (2) 15A NEMA outlets, cord	RPC-15-S	RPC with (2) 15A NEMA outlets, surge supp, cord
RPC-15-U	RPC with (2) IEC C13 oulets, cord	RPC-20-CD	RPC with (2) 20A NEMA outlets, cord
RPC-20-SCD	RPC with (2) 20A NEMA outlets, surge supp, cord	RPC-3N1	RPC with (8) 15A NEMA outlets, cord
RPC-20-HW	RPC with (2) 20A NEMA outlets, whip	RPC-20-SHW	RPC with (2) 20A NEMA outlets, surge supp, whip
RPC-30-SHW	RPC with 30A Twistlock outlets, surge supp, whip		

- **MISCELLANEOUS:**

Model	*Description*
ACS-1510-RPC	30" power strip with ten 15A outlets, RPC function, cord
ACS-2010-RPC-HW	30" power strip with ten 20A outlets, RPC function, hardwired
ACS-2018-5C-RPC-HW	60" power strip with eighteen 20A outlets on five circuits, RPC function, hardwired
ACSP-1502-RPC	Compact surge suppressor with two 15A outlets, RPC function
ACSP-2002-RPC	Compact surge suppressor with two 20A outlets, RPC function

SEQ & SEQR Series Overview — sequencers with classic connections

Model No.	*Chassis*	*Steps*	*Alternate Sequence Mode*	*Onboard Switch*	*REQUIRES A Remote Switch*	*ACCEPTS Multiple Remote Switches*	*ACCEPTS Input from Alarm System*	*ACCEPTS Input from Lowell Switch w/RJ45*	*Power Input*	*Country of Origin*
SEQ-4	standalone	4	---	---	yes	through MSM2	---	---	power supply	USA
SEQ-8	standalone	8	---	---	yes	yes	---	---	power supply	USA
SEQR-4	**1U panel**	**4**	**---**	**rocker**	**---**	**yes**	**yes**	**---**	**power supply**	**USA**
SEQR-4K	1U panel	4	---	key	---	yes	yes	---	power supply	USA
SEQR-8	1U panel	8	yes	rocker	---	yes	yes	---	power supply	USA
SEQR-8K	1U panel	8	yes	key	---	yes	yes	---	power supply	USA
SEQR-8RJ	1U panel	8	yes	rocker	---	yes	yes	yes	power supply	USA

This spec

Steps = Unit activates/deactivates connected remote power controls (RPCs) in four or eight steps, with a delay between each. Multiple RPCs can connect to each step.

Alternate Sequence Mode = The ASM feature skips selected outputs to allow partial startup of system, useful for small events or rehearsals. It requires remote switch model RPSB-KP-ASM to enable ASM function before main switch is activated.

Onboard Switch = Sequencers without an onboard switch will require an external switch for activation.

REQUIRES A Remote Switch = Sequencer can be controlled by one external switch, usually placed in a remote location (RPS series switch with MAINTAINED closure).

ACCEPTS Multiple Remote Switches = Sequencer can be controlled by one or more external switches placed in remote locations (RPS Series switches with MOMENTARY closure). Some models require the MSM2 module in order to accept multiple switches.

ACCEPTS Input from Alarm System = Sequencer can accept control override from an alarm system (alarm by others, not included).

ACCEPTS Input from Lowell Switch w/RJ45 = Sequencer is designed for use with a Lowell MOMENTARY switch that has a model number with "-RJ" as a suffix (see options above). Note that these switches include a single RJ45 connector and are not part of Lowell's "pass-through" series.

NOTE: See Lowell ACR Series or ACSPR Series for rackmount sequencers that include AC power outlets.