Lowell™
Distributed Audio, Power & Rack Solutions

Rackmount Sequencer (8 step): SEQR-8RJ

Rocker Switch: starts sequence up or down. Activation in mid-cycle reverses direction.

Delay Adjust: recessed trim pot

Eight LEDs: light to indicate progress of sequence (up or down).

Green LED: FLASHING = up cycle in progress; STEADY ON = up cycle completed (system on)

Red LED: FLASHING = down cycle in progress; STEADY ON = down cycle completed (system off)

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 not for use with devices that feature pass-through connections.

FEATURES:

- **Power Required:** 100-240 VAC 500 mA max
- **Rackmount Chassis:** 19" x 9" x 1U steel chassis with black powder epoxy finish. 12 lbs.
- **Activation Switch:**
  - Sequencing is initiated by the front rocker switch with momentary contacts (normally open SPST).
  - Includes rear barrier strip termination blocks with parallel RJ45 jacks for optional remote switches (momentary, normally open).
- **Eight Step Sequencer:**
  - Eight time-delayed closure circuits activate in sequential order (1, 2, 3, 4, 5, 6, 7, 8) and deactivate in reverse order.
  - Delay between steps can be adjusted via a trimpot on the front panel (0.5-10 seconds).
  - LEDs provide visual status of the sequence.
  - Includes auxiliary 24VDC output (300mA max.) for use with remote indicators.
- **Alarm System Interface:**
  - Integral override facilitates use in life safety applications where fire code mandates an alarm interface.
  - Lock on, lock off and switch lock functions for alarm system or master control panel applications.
- **Outputs:**
  - SPST relay contact closure (3A), removable phoenix style terminals and parallel RJ45 jacks. Each output can be connected to up to 50 remote power controls (RPCs).
  - Rear barrier strip termination blocks with parallel RJ45 jacks for optional remote switches (momentary, normally open).
- **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).
- **Installation:** The sequencer is installed in a rack, while remote power controls are placed near equipment to be controlled—in another rack, room or building.
  - Maximum wire distances: 24 gauge wire = 20,000 ft.; 22 gauge wire = 31,200 ft.; 18 gauge wire = 76,800 ft.
  - System Capacity: Accepts up to 50 RPCs per step.
- **Country of Origin:** Made in U.S.A. with global components
- **Connections:** Order compatible remote power controls and switches separately (see last page).

A&E SPECIFICATIONS:

The power sequencer shall be Lowell model SEQR-8-RJ, which shall include a rocker activation switch, LEDs and an accessible trimpot for delay adjustment of sequence operation. Rear panel shall include Phoenix-style removable terminals and parallel RJ45 jacks for each SPST relay contact closure output. It shall include a separate alarm interface connection. The power sequencer shall be used with Lowell RPC Series remote power controls (ordered separately). The sequencer shall be made in the U.S.A. with global components.

√ RoHS Made in USA

Includes power supply (attached)

Com
Lock OFF
Lock ON
Lock Switches

Pins 1, 2
Pins 3, 4

NOTE: Use only "straight-through" type RJ45 cables (pin 1 to pin 1, pin 2 to pin 2, pin 3 to pin 3, etc.)

V+
Switch
ON Ind.
OFF Ind.

Pins 1, 2 V+
Pins 3, 4 Switch
Pins 5, 6 ON Ind.
Pins 7, 8 OFF Ind.

ALARM SYSTEM INTERFACE:

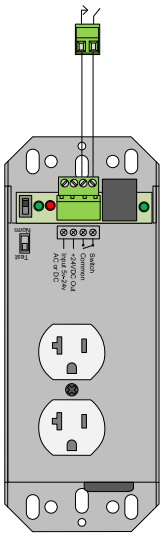
If required by local building code, facility usage, or the Fire Marshal; the system functions can be overridden and the system controlled by contact closures provided by the fire alarm panel or other similarly installed device. A maintained contact between the 'com' terminal and any of the terminals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

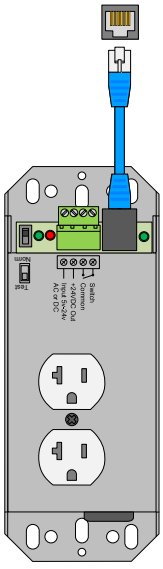
- **Lock Off:** A maintained contact between the 'com' terminal and the 'lock off' terminal will turn the system off and keep it off regardless of other switch activations. If the system is already off, it will be kept off.
- **Lock On:** A maintained contact between the 'com' terminal and the 'lock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

RPC CONNECTIONS (8 steps):

Connect equipment to Lowell RPC Series remote power controls that feature classic connections (not pass-through), and connect the RPCs to one of the steps on the sequencer using wire (phoenix style terminals) or CAT5/6 cable (RJ45 terminals). This sequencer allows up to 50 RPCs to be connected in parallel on each of the eight circuits.



RPC Series remote power controls use two (2) connectors



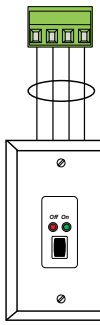
RPC Series remote power controls with an RJ45 jack use CAT5/6 cable*

**Not for use with RPCs that feature pass-through RJ45 jacks*

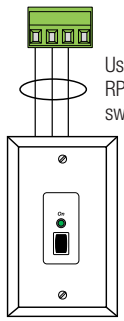
REMOTE SWITCH CONNECTIONS:

Lowell RPS Series switches with MOMENTARY closure can be connected to control the sequencer from remote locations. Up to 8 momentary switches may be connected in parallel.

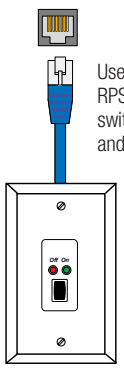
Maximum wire distances: 24-gauge = 20,000 ft.; 22-gauge = 31,200 ft.; 18-gauge = 76,800 ft.



Use four (4) connectors for RPS Series MOMENTARY switch that has two LEDs.



Use three (3) connectors for RPS Series MOMENTARY switch that has one LED.



Use CAT5/6 cable for RPS Series MOMENTARY switch that has two LEDs and an RJ45 jack.

COMPATIBLE COMPONENTS: (order separately)

- **REMOTE SWITCHES:** (RPS Series with MOMENTARY closure and 1 or 2 LEDs)

Model	*Description*	*Model*	*Description*
RPSW-MP	1 LED rocker switch, white wall plate	RPSW2-MP	2 LED rocker switch, white wall plate
RPSB-MP	1 LED rocker switch, black wall plate	RPSB2-MP	2 LED rocker switch, black wall plate
RPSB-MR	1 LED rocker switch, 19" panel	RPSB2-MR	2 LED rocker switch, 19" panel
RPSW-MKP	1 LED key switch, white wall plate	RPSW2-MKP	2 LED key switch, white wall plate
RPSB-MKP	1 LED key switch, black wall plate	RPSB2-MKP	2 LED key switch, black wall plate
RPSB-MKR	1 LED key switch, 19" panel	RPSB2-MKR	2 LED key switch, 19" panel
RPSB2-MP-RJ	2 LED rocker switch, black wall plate, RJ45	RPSW2-MP-RJ	2 LED rocker switch, white wall plate, RJ45
RPSB2-MKP-RJ	2 LED key switch, black wall plate, RJ45	RPSW2-MKP-RJ	2 LED key switch, white wall plate, RJ45
RPSB2-MR-RJ	2 LED rocker switch, 19" panel, RJ45	RPSB2-MKR-RJ	2 LED key switch, 19" panel, RJ45

- **REMOTE POWER CONTROLS:** (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-SCD-RJ	RPC with (2) 15A NEMA outlets, cord, RJ45	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-20-SCD-RJ	RPC with (2) 20A NEMA outlets, surge supp, cord, RJ45	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
CBL453	Cat5e cable (3 ft.), five-pack
RJ45-Y	Y-adaptor for cable

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
This spec ▶ **SEQR-8RJ**	**1U panel**	**8**	**yes**	**rocker**	**---**	**yes**	**yes**	**yes**	**power supply**	**USA**

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.