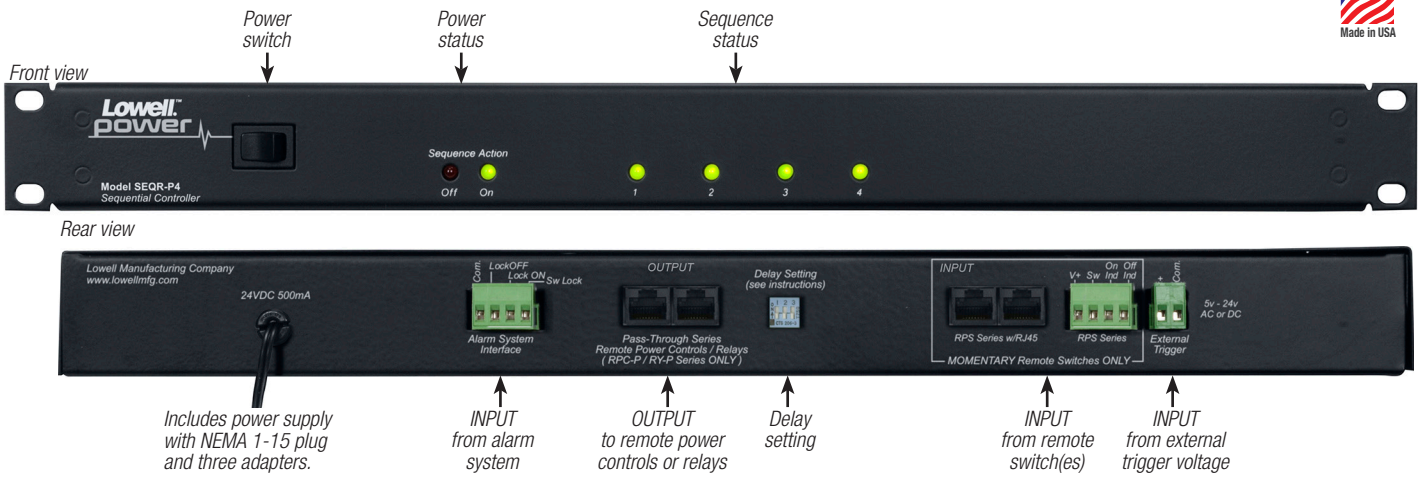
Lowell™
Distributed Audio, Power & Rack Solutions

Rackmount Sequencer w/pass-through connections: SEQR-P4

Made in USA



DESCRIPTION: This low voltage power sequencer with pass-through RJ45 jacks for quick connections works with compatible remote power controls (RPC-P Series) and relays (RY-P Series) to provide time-delayed activation and deactivation of AC powered equipment at remote locations.

FEATURES:

- **Activation:**
  - **Rocker Switch:** Sequencing is typically initiated by the front rocker switch. Activation in mid-cycle reverses direction.
  - **Alarm Interface & Remote Triggers:** Rear input connections allow activation via alarm system or remote triggers (not included).

    Alarm System: Terminal block with Lock On, Lock Off and Switch Lock for alarm system or master control panel.

    Remote Switch: For SPST switches with MOMENTARY closure. Use the barrier strip terminal block (up to 8 switches) or RJ45 jacks (up to 2 switches).

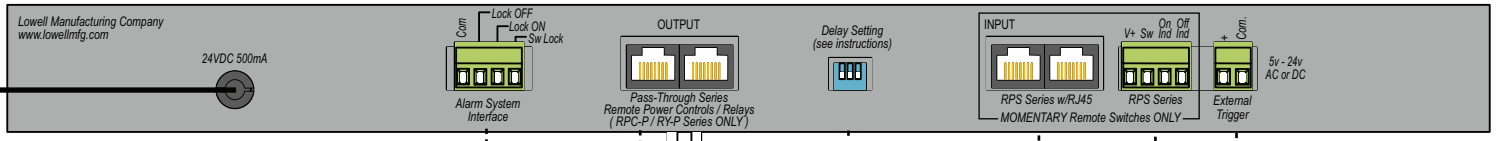
    DSP Connection: External trigger voltage input from DSP connection.

    System Switch: Connect any switch or control system that provides a dry contact closure.
- **Sequencing: Four Step Delay**
  - Delayed closure circuits activate in sequential order (1,2,3,4) and deactivate in reverse order (4,3,2,1).
  - Delay between steps is easily adjusted with DIP switches. Choose equal delays (Normal) or varied delays with long delay between steps 1–2 (Long Delay). See chart page 2.
  - LEDs indicate status and verify power is supplied to the unit. A green LED flashes when the system is cycling up, remains steady when the system is on. A red LED flashes when the system is cycling down, remains steady when the system is off.
- **Power Supply:** Includes an attached UL Listed power supply (100-240VAC input, 24VDC 500mA output, 6 ft. cable with NEMA 1-15 plug), plus 3 adapters for international use (Schuko CEE 7/16, BS1362, AS3112).
- **Output Connections:** Order remote devices separately (see compatible device chart on last page).
  - Use cat5/6 cable to connect a remote power control or relay to the RJ45 jack. A second RJ45 jack is provided to connect a separate remote or relay, allowing control to proceed via two paths. Use either or both jacks, as needed.
  - Because the sequence step (start position) is selected via a switch located on each remote power control or relay, the start order can be easily changed without the need to re-wire.
- **Installation:** Sequencers can be installed in any convenient location, while remote power controls and relays are usually installed near the equipment to be controlled.
  - Maximum distance between sequencer and furthest remote power control or relay using Cat5/6 cable: 5,000 ft.
  - System Capacity: Accepts up to 20 remote devices per step.
- **Chassis:** 19" x 9" x 1.75" steel chassis with black powder epoxy finish. 9 lbs.
- **Country of Origin:** Made in the U.S.A. with global components.

A&E SPECIFICATIONS: The power sequencer shall be Lowell model SEQR-P4, which shall feature a 19" x 9" x 1.75" (1U) steel rackmount chassis with black powder epoxy finish and a UL Listed power supply with 100-240VAC input, 24VDC 500mA output and 6 ft. cable. The sequencer shall feature four delayed closure circuits in two RJ45 output jacks to activate and deactivate connected devices in a predetermined order, providing adjustable time delays between steps. Activation shall be via a rocker switch on the front panel, however, the unit shall accept remote activation via an external trigger such as an SPST momentary switch, DSP connection, or system switch with dry contact closure. The unit shall include an alarm interface for use where required by building code. All remote triggers shall be ordered separately or provided by others. The sequencer shall only work with compatible remote power controls and relays that feature pass-through RJ45 jacks (Lowell RPC-P Series and RY-P Series only), which shall be ordered separately.

INTERNAL USE ONLY: PN 24376

SEQR-P4 Rear View



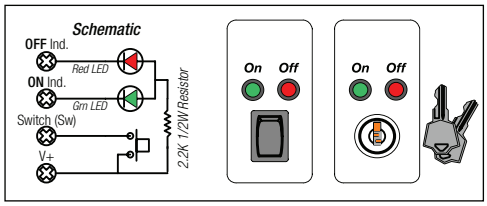
ALARM SYSTEM: If required by local building code, facility usage, or the Fire Marshal; system switches can be overridden and the system controlled by contact closures provided by the fire alarm panel or another similarly installed device. A maintained contact between the 'Com' terminal and any of the terminals shown will provide the following functions. CAUTION: Do not allow alarm system to make more than one of the contacts described below at the same time—it could cause controller board damage

- 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: When connection from alarm system is released, the sequencer will revert to its previous state, either On or Off.

EXTERNAL TRIGGER: Connect to any device or control system that will provide a voltage output between 5v and 24v, AC or DC.
If DC, observe polarity: Common = Negative
Trigger Input = Positive

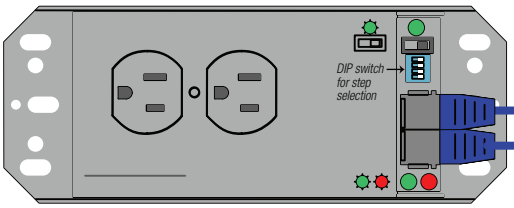
REMOTE SWITCH(ES): See RPS Series – pg. 3
Momentary Switch
Normally Open (N.O.)
Single Pole, Single Throw (SPST)
Rocker or Key Switch

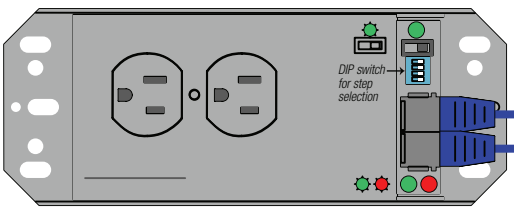


REMOTE POWER CONTROLS / RELAYS: Two RJ45 jacks on the rear panel allow wiring in multiple directions. Use either or both jacks to connect any combination of compatible remote power controls (RPC-P Series) or relays (RY-P Series) up to a maximum of 60 devices per step using standard Cat5/6 cable with RJ45 connectors.

Sequencing Order: Each compatible remote power control or relay has its own DIP switch where the sequence step (start position) is assigned. To change the sequencing order, just flip the switch on the device(s) you want to change—there's no need to rewire.

Any combination of RPC-P Series and/or RY-P Series (see pg. 3)
Maximum units per sequence step = 60
Maximum units per system = 240
Maximum distance to farthest unit = 5,000 ft.

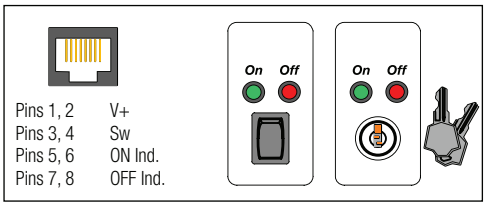




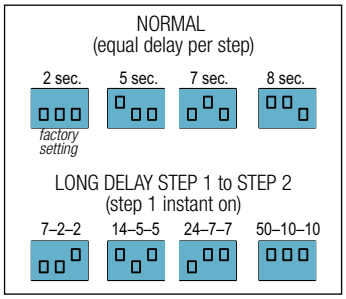
Standard Cat5/6 cables with RJ45 connectors. Maximum distance to farthest unit = 5,000 ft.

To additional RPC-P Series or RY-P Series units. The sequence step is assigned at each unit.

REMOTE SWITCH(ES), RJ45: See RPS Series w/RJ45 – pg. 3
Momentary Switch
Normally Open (N.O.)
Single Pole, Single Throw (SPST)
Rocker or Key Switch



DELAY SETTING: Note: Unit turns off faster than it turns on.



COMPATIBLE PASS-THROUGH DEVICES: Order separately.

All pass-through devices require sequencer SEQ-P4 or SEQR-P4 for activation. Optional add-on compatible devices are also listed in the chart below. See individual product spec sheets for more information.

Model No.	*Description*	*Power Rating*	*Power Input Connection*	*Output Connection*	*Output Voltage Rating*	*Surge Supp.*	*Activation Trigger*
SEQ-P4	Sequencer		Power supply				External switch or DSP conn*
This spec **SEQR-P4**	**Sequencer, rackmount**		**Power supply**				**Built-in sw, external sw or DSP***
RPC-P15	Remote Power Control	125VAC 15A	5-15P cord	5-15R duplex			SEQ-P4 or SEQR-P4**
RPC-P15-U	Remote Power Control	100-240VAC 15A	C14 cord	C13 duplex			SEQ-P4 or SEQR-P4**
RPC-P15-S	Remote Power Control	125VAC 15A	5-15P cord	5-15R duplex		✓	SEQ-P4 or SEQR-P4**
RPC-P20-SCD	Remote Power Control	125VAC 20A	5-20P cord	5-20R duplex		✓	SEQ-P4 or SEQR-P4**
RPC-P20-SHW	Remote Power Control	125VAC 20A	Flexible whip	5-20R duplex		✓	SEQ-P4 or SEQR-P4**
RPC-P30-SHW	Remote Power Control	125VAC 30A	Flexible whip	L5-30R twistlock		✓	SEQ-P4 or SEQR-P4**
RY-P1	Relay (1 DPDT)		Power supply		DPDT Relay 5A		SEQ-P4 or SEQR-P4**
RY-P2	Relay (2 DPDT)		Power supply		DPDT Relay 5A		SEQ-P4 or SEQR-P4**
ACS-2018-5C-RPCP-HW	Power Strip w/remote	120VAC 20A	Flexible whip	5-20R duplex (9)		✓	SEQ-P4 or SEQR-P4**

** Order activation trigger separately, as needed.*

*** Note that only the first remote device in a string requires connection to the sequencer for activation. A second device would connect to the first using the pass-through RJ45 jacks. Additional devices can be connected to each other in a similar way (up to 20 devices per step).*

COMPATIBLE SWITCHES (RPS Series w/Momentary closure): Order separately.

Model No.	*Plate Color*	*Mounted In*	*LEDs*	*Closure Type*	*Activator*	*Connections*
RPSB2-MP	Black	Wall Plate	2 (on/off)	MOMENTARY	Rocker	TS (4 wire)
RPSB2-MP-RJ	Black	Wall Plate	2 (on/off)	MOMENTARY	Rocker	TS (4 wire) / RJ45
RPSB2-MKP	Black	Wall Plate	2 (on/off)	MOMENTARY	Key	TS (4 wire)
RPSB2-MKP-RJ	Black	Wall Plate	2 (on/off)	MOMENTARY	Key	TS (4 wire) / RJ45
RPSB2-MR	Black	Rackmount Panel	2 (on/off)	MOMENTARY	Rocker	TS (4 wire)
RPSB2-MR-RJ	Black	Rackmount Panel	2 (on/off)	MOMENTARY	Rocker	TS (4 wire) / RJ45
RPSB2-MKR	Black	Rackmount Panel	2 (on/off)	MOMENTARY	Key	TS (4 wire)
RPSB2-MKR-RJ	Black	Rackmount Panel	2 (on/off)	MOMENTARY	Key	TS (4 wire) / RJ45
RPSW2-MP	White	Wall Plate	2 (on/off)	MOMENTARY	Rocker	TS (4 wire)
RPSW2-MP-RJ	White	Wall Plate	2 (on/off)	MOMENTARY	Rocker	TS (4 wire) / RJ45
RPSW2-MKP	White	Wall Plate	2 (on/off)	MOMENTARY	Key	TS (4 wire)
RPSW2-MKP-RJ	White	Wall Plate	2 (on/off)	MOMENTARY	Key	TS (4 wire) / RJ45

TS = Terminal Strip (phoenix type)