



Model No's.

# RPC-15-SCD-RJ

**Stand-alone unit with cord, surge protection, RJ45 connector**

Lowell's Remote Power Controls can be utilized with a variety of switches and control systems or devices that provide either a dry contact closure or voltage output (5V-24V, AC or DC, 3mA) to provide an intrinsically safe low voltage method of controlling AC power to equipment at a remote location. The ability to safely control AC power distribution without directly accessing equipment minimizes the potential for unauthorized activation. Typical applications include commercial, entertainment, government, education and house-of-worship venues where remote power control is often required.

### Installation

RPCs are typically installed in close proximity to equipment to be controlled. Low-voltage cable is run from the RPC terminal strip to a control switch (such as a switch from Lowell's RPS Series) or other control method. Systems can be configured with multiple RPCs activated by a single switch or trigger voltage source. Systems can also be configured with multiple switches or trigger voltage sources controlling a single RPC. (See connection diagrams on next page.) RPCs also serve as a key component in Lowell's low voltage sequential control systems (SEQ Series).

### Construction & Features

- Compact steel chassis with black powder epoxy finish
- Power Rating: 15A 125VAC
- One duplex outlet (NEMA 5-15R)
- Terminates with 6-ft. cord and NEMA 5-15P plug
- ETL Listed (UL 60065) in U.S.A. and Canada
- Made in the U.S.A. with domestic and global parts
- Surge Protection:  
 Maximum Surge Current:..... 20,000A  
 VPR:.....400V  
 Response Time: .....1 nanosecond  
 EMI/RFI Noise Reduction: .....20dB@100kHz  
 Protection Mode: .....Line to Neutral  
 Ground Contamination: .....None



### A&E Specifications

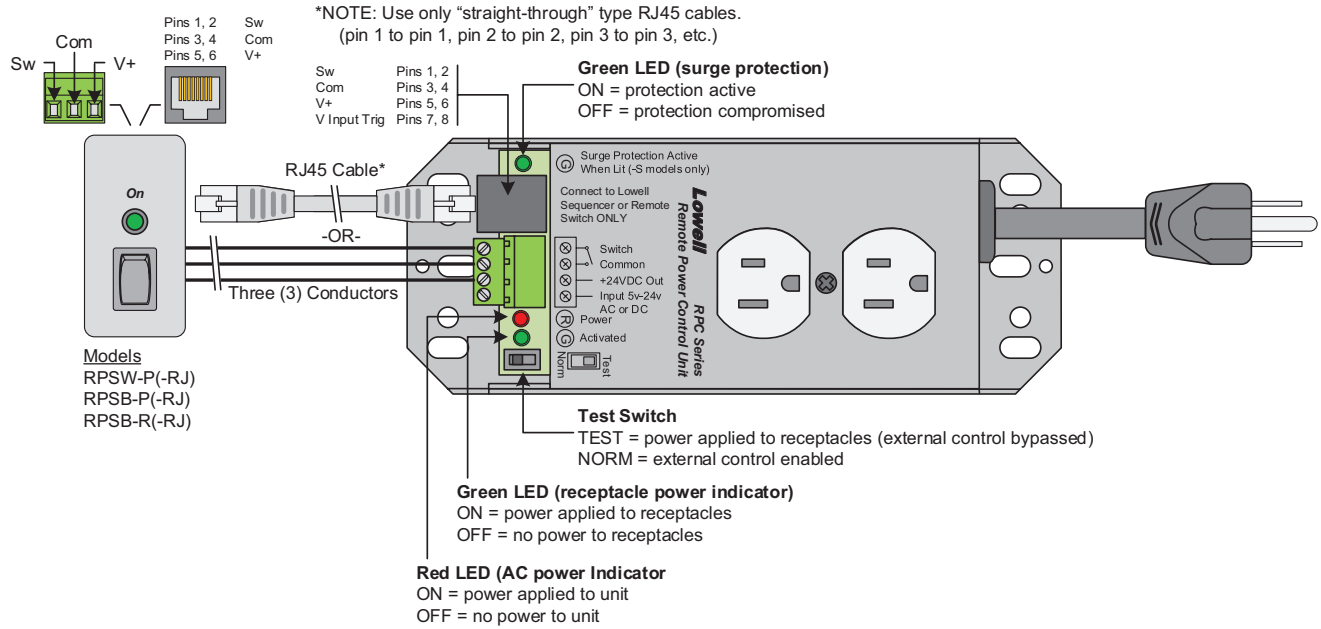
The device for remotely controlling AC power shall be Lowell Model No. RPC-15-SCD-RJ, which shall include a power supply and relay housed in a 7.5"L x 3.25"W x 2.75" steel chassis with black powder epoxy finish. The unit shall include one duplex outlet with 15A power rating and six ft. cord with NEMA 5-15P plug termination and basic surge protection up to 20,000A.

### Related Accessories (order separately)

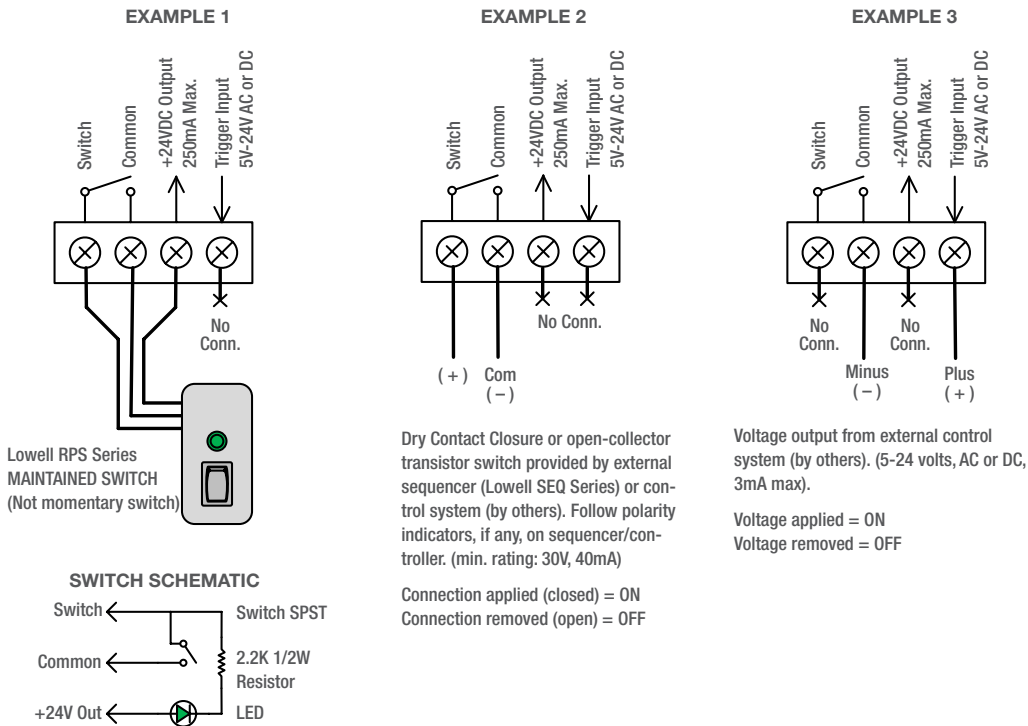
- RPS Series: Rackmount and wall-mount SPST maintained and momentary switches with rocker or key activation.
- SEQ Series: Modular low voltage sequencers.
- MSM2: Momentary Switch Module used with momentary contact switches.
- RJ45-Y: adaptor
- CBL453: Blue, 3-ft. long RJ45 cable

### Model Number Summary

Model No.	Description	Chassis Length	Chassis Width	Chassis Height	Total Outlets	Surge Protection
RPC-15-SCD-RJ	Remote power control with RJ45 connector	7.5"	3.25"	2.75"	2 (15A 125VAC)	yes
RJ45-Y	Y-adaptor for RJ45 connector					
CBL453	Blue, 3-ft. long RJ45 cable (pack of 5)					



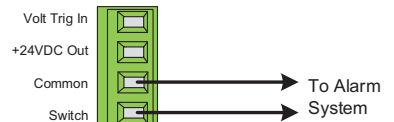
## Typical RPC Control Methods: low voltage, current limited Class 2 wiring



### Fire Alarm Panel Interface

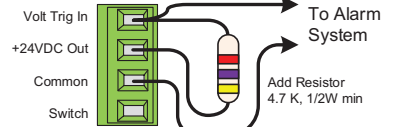
Application example: The RPC unit controls the power to a music/paging system. A signal from the Fire Alarm Panel forces the music/paging system OFF so that the alarms can be heard.

#### Normally Closed (NC) line from Fire Alarm System



(Closed "loop" from Fire Alarm Panel holds the RPC "ON". When loop is opened by the Fire Alarm Panel, RPC turns "OFF".)

#### Normally Open (NO) line from Fire Alarm System



(Voltage from +24V Out through resistor to Trigger Input holds power to receptacle "ON". Shorting the Trigger Input to Com via Fire Alarm Panel contact closure forces power to receptacle "OFF".)