

Lowell Remote Power Controls (RPC) can be combined with a variety of switches or sequential control devices that provide a dry contact closure for 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 accidental or unauthorized activation. Typical applications include commercial, entertainment, government, education and house-of-worship venues where remote power control is often required.

RPCs are typically installed in close proximity of 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. 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 (SCS Series).



Remote Power Control
Model No. RPC-15



Remote Power Control
Model No. RPC-15S
includes surge protection



Features:

- Compact steel chassis with black powder epoxy finish
- Power Rating: 15A 125VAC
- One duplex outlet
- 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.
- Model No. RPC-15S also includes surge protection up to 20,000A

A&E Specifications:

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

Accessories: (order separately)

- **RPS Series Switch.** Selection of rackmount and wall-mount SPST maintained and momentary switches with rocker or key activation.
- **SCS Series Sequencers.** Selection of modular low voltage sequencers.
- **MSM2.** Momentary Switch Module used with momentary contact switches.

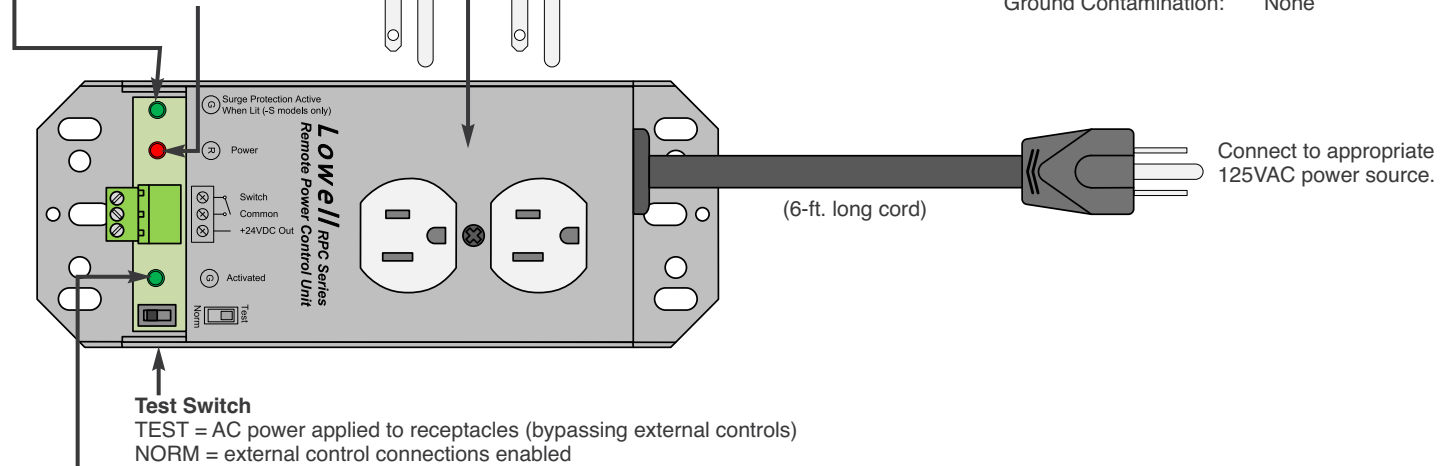
Model No.	Length	Width	Height	Termination	Switch Type*	Surge Protection
RPC-15	7.5 in.	3.25 in.	2.75 in.	6 ft. cord with plug	dry contact	---
RPC-15S	7.5 in.	3.25 in.	2.75 in.	6 ft. cord with plug	dry contact	Yes

*Minimum rating 30 vdc, 40 mA.

Features:

Green LED (surge protection)
— MODEL NO. RPC-15S ONLY
 ON = protection active
 OFF = protection compromised

Red LED (AC power indicator)
 ON = power applied to unit
 OFF = no power to unit



MODEL NO. RPC-15S ONLY:
Surge Protection Specifications
 Maximum Surge Current: 20,000A
 VPR (UL 1449-3): 400V
 Response Time: 1 nanosecond
 EMI/RFI Noise Reduction: 20dB@100kHz
 Protection Mode: Line to Neutral
 Ground Contamination: None

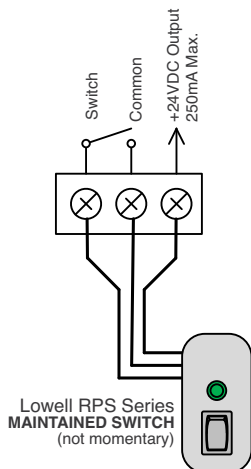
Connect to appropriate 125VAC power source.

Test Switch
 TEST = AC power applied to receptacles (bypassing external controls)
 NORM = external control connections enabled

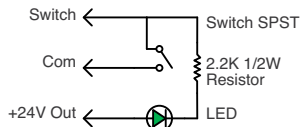
Green LED (receptacle power indicator)
 ON = power applied to receptacles (i.e. receptacles active)
 OFF = no power to receptacles

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

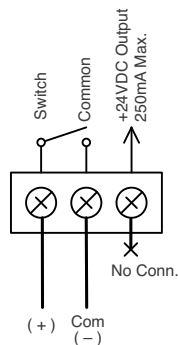
EXAMPLE 1



Switch Schematic



EXAMPLE 2



Dry Contact Closure or open-collector transistor switch provided by external sequencer (Lowell SCS Series) or control system (by others). Follow polarity indicators, if any, on sequencer/controller. (min. rating: 24V, 40mA)
 ON = connection applied (closed)
 OFF = connection removed (open)

Fire Alarm Panel Interface

Application example: RPC provides power for retail store music/paging system. Fire Alarm Panel forces music/paging system OFF so alarm can be heard.

NOTE: Use normally closed (NC) contact from Fire Alarm Panel.

