

# Remote Power Controls — low-voltage, surface-mount

## Description:

Lowell RPC-1 series UL Listed remote power controls may be combined with a variety of switches, modules, and/or sequential control devices (manufactured by Lowell or others) to provide a versatile low-voltage method of turning specific equipment on and off from a remote location. The ability to safely control AC power distribution without directly accessing equipment minimizes the potential for accidental or unauthorized system modifications or vandalism. System integration applications include commercial, educational, entertainment, government, and religious facilities where remote power control is required.

RPC-1 controls are typically installed in the rear of an equipment rack in close proximity to the equipment that is to be remotely switched. Low-voltage, 3- or 4-conductor cable is then run from the RPC-1 terminal strip to a control switch such as Lowell RPS-series wall or rackmount switches. Systems may also be configured with multiple RPC-1 controls activated by a single switch (application 1) or with one or more RPC-1 controls activated by multiple switches (application 2). RPC-1 controls are also a key component in Lowell's SCS-series modular low voltage sequential control systems. Each RPC-1 assembly includes a power supply and relay with selection of outlet and termination styles to meet application needs. All models are housed in a steel chassis finished in black powder epoxy. Assemblies are ETL Listed (UL 813).

- **RPC-1 and RPC-1-20A:** feature a 15-amp or 20-amp duplex receptacle respectively. RPC-1 includes a six foot cord; RPC-1-20A is offered with a six foot cord or 6-ft. flexible whip.
- **RPC-1-IG:** features a 20-amp duplex outlet with isolated ground protection to minimize the potential for ground loop and noise problems. Assembly terminates with a 6-ft. flexible whip.
- **RPC-1-TVSS:** includes a 20-amp duplex outlet with a common mode transient voltage surge suppressor for applications where voltage surges and spikes could occur. Termination choices include six foot cord or 6-ft. flexible whip.
- **RPC-1-30A:** features a 30-amp twist-lock receptacle, mating plug, and 6-ft. flexible whip.

## Features:

- Low voltage power controls combine with low voltage switches to achieve remote on/off triggering of AC equipment.
- Compact size surface mounts nearly anywhere
- Low voltage connections allow for cost effective wiring and installation.
- 15A, 20A and 30A models meet multiple application needs
- Termination styles include 6-ft. cord or 6-ft. flexible whip
- ETL Listed in the U.S. and Canada
- Made in the U.S.A.

RPC-1  
Close-up



RPC-1



RPC-1-20A



RPC-1-TVSS



RPC-1-30A



## System Accessories: Order Separately

Remote Switches - Maintained Closure (single switch use) - keylock also available	
RPSW-P	Switch SPST rocker w 1LED maintained 1 ga wallplate
RPSB-R	Switch SPST rocker w 1LED maintained 1U rackpanel

Remote Switches - Momentary Closure (multiple switch use) - keylock also available	
RPSW-MP	Switch SPST rocker w 1LED momentary 1 ga wallplate
RPSW2-MP	Switch SPST rocker w 2LED momentary 1 ga wallplate
RPSB-MR	Switch SPST rocker w 1LED momentary 1U rackpanel
RPSB2-MR	Switch SPST rocker w 2LED momentary 1U rackpanel

Momentary Switch Module (req. for multiple momentary switches)	
MSM2	Momentary switch module for multiple switches

Model	Description	Power Rating	Outlet Type	Size	Termination	Switch Type	Other
RPC-1	Power control, low-voltage	15A, 125VAC	1 duplex	7.5"L x 3.25"W x 1.75"H	6 foot cord	Dry contact*	—
RPC-1-20A-MC	Power control, low-voltage	20A, 125VAC	1 duplex	7.5"L x 3.25"W x 2.75"H	6 foot whip	Dry contact*	—
RPC-1-20A-CD	Power control, low-voltage	20A, 125VAC	1 duplex	7.5"L x 3.25"W x 2.75"H	6 foot cord	Dry contact*	—
RPC-1-IG-MC	Power control, low-voltage	20A, 125VAC	1 iso-grd duplex	7.5"L x 3.25"W x 2.75"H	6 foot whip	Dry contact*	—
RPC-1-TVSS-MC	Power control, low-voltage	20A, 125VAC	1 duplex	7.5"L x 3.25"W x 2.75"H	6 foot whip	Dry contact*	Surge suppressor**
RPC-1-TVSS-CD	Power control, low-voltage	20A, 125VAC	1 duplex	7.5"L x 3.25"W x 2.75"H	6 foot cord	Dry contact*	Surge suppressor**
RPC-1-30A-MC	Power control, low-voltage	30A, 125VAC	1 twist lock	7.5"L x 3.25"W x 2.75"H	6 foot whip	Dry contact*	Mating plug included

\*Minimum rating 30 vdc, 40 mA.

\*\*Common mode (L-G, L-N, N-G) surge suppressor for transient voltage meets UL1449 for suppression; UL1283 for noise filtering.

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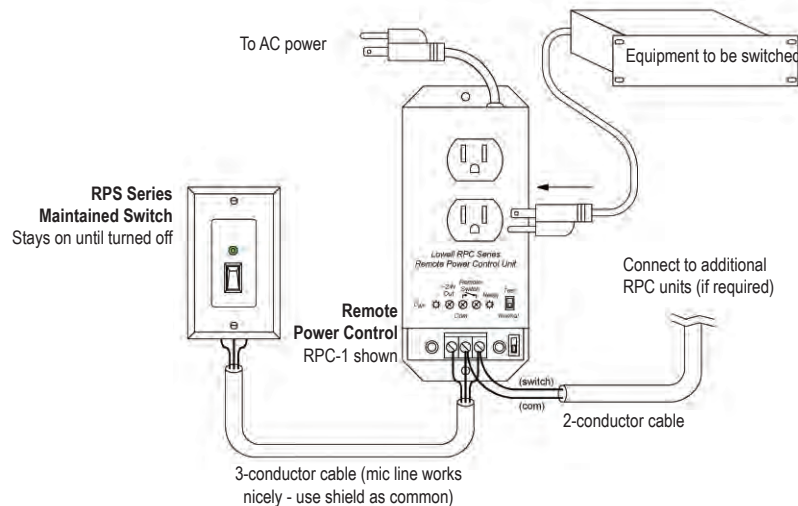
## A & E Specifications:

Device for remotely controlling AC power shall be Lowell remote power control Model \_\_\_\_\_. Device shall include a power supply and relay housed within a 7.5"L x 3.25"W x \_\_\_\_\_ H (1.75", 2.75") steel chassis. Unit shall include one (1) \_\_\_\_\_ (duplex, isolated ground duplex, twist-lock) outlet with a power rating of \_\_\_\_\_ (15A, 20A, 30A). Power control device shall terminate with a \_\_\_\_\_ (6-ft. cord, 6-ft. flexible whip). Device \_\_\_\_\_ (shall, shall not) include surge protection for transient voltage.

**Single Switch Applications:** Remote switching device for single switch applications shall be Lowell RPS-series maintained contact wall switch Model \_\_\_\_\_ or maintained contact rackpanel model \_\_\_\_\_.

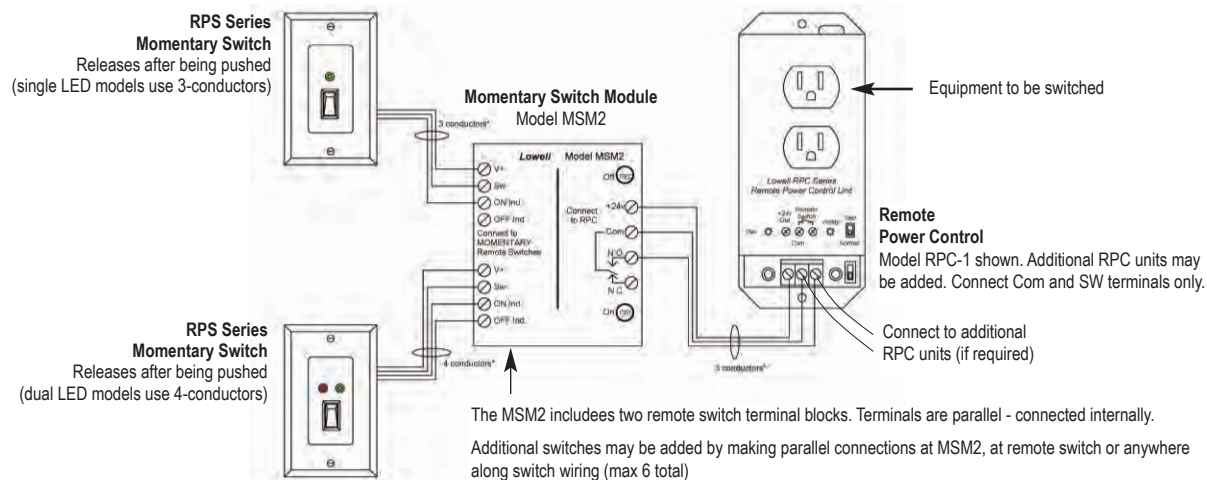
**Multiple Switch Applications:** To remotely control one or more RPC units, Lowell momentary switch module Model MSM2 and Lowell RPS-series momentary contact wall switch Model \_\_\_\_\_ or momentary rackpanel switch model \_\_\_\_\_ shall be used.

## Application 1: One or multiple RPC controls activated by a single maintained switch



Wiring Notes: Maximum distance between switch and RPC is: 22 ga: Max distance is 6,600 ft. (1.25 miles), 18 ga: Max distance is 17,160 ft. (3.25 miles)

## Application 2: One or multiple RPC controls activated by multiple momentary switches



Wiring Notes: Maximum distance between switches, MSM2 and RPC is: 22 ga: Max distance is 6,600 ft. (1.25 miles), 18 ga: Max distance is 17,160 ft. (3.25 miles)