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, adjustments, 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 cabinet, in close proximity to the equipment that is to be remotely switched. Low-voltage, 3-conductor cable is then run from the RPC-1 terminal strip to a control switch such as Lowell wall switch Model RPSW-P (figure 1) or rack-mount panel switch Model RPSB-R. Systems may also be configured with multiple RPC-1 controls activated by a single switch (figure 1) or with one or more RPC-1 controls activated by multiple switches (figure 2). RPC-1 controls are also a key component in Lowell's modular sequential control systems for installations where equipment must be activated in a time/delay sequence (see SCS Series spec sheet # 1c-401).

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 7.5"L x 3.25"W x 2.75"H steel chassis finished in black powder epoxy. Assemblies are UL Listed under Standard 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 foot conduit 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 six foot conduit 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 six foot conduit whip.

RPC-1-30A features a 30-amp twist-lock receptacle, mating plug, and six foot conduit whip.

Series RPC-1, RPC-1-20A, RPC-1-IG

Series RPC-1-TVSS

Series RPC-1-30A

Termination Styles

RPC-1 Series UL and CUL Listed* Remote Power Controls

Model	Power Rating	Outlet Type	Size	Termination	Switch Type	Other
RPC-1	15A, 125vac	1 duplex	7.5"L x 3.25"W x 1.75"H	6 foot cord	Dry contact**	—
RPC-1-20A-MC	20A, 125vac	1 duplex	7.5"L x 3.25"W x 1.75"H	6 foot conduit whip	Dry contact**	—
RPC-1-20A-CD	20A, 125vac	1 duplex	7.5"L x 3.25"W x 1.75"H	6 foot cord	Dry contact**	—
RPC-1-IG-MC	20A, 125vac	1 isolated ground duplex	7.5"L x 3.25"W x 1.75"H	6 foot conduit whip	Dry contact**	—
RPC-1-TVSS-MC	20A, 125vac	1 duplex	7.5"L x 3.25"W x 1.75"H	6 foot conduit whip	Dry contact**	Surge suppressor***
RPC-1-TVSS-CD	20A, 125vac	1 duplex	7.5"L x 3.25"W x 1.75"H	6 foot cord	Dry contact**	Surge suppressor***
RPC-1-30A-MC	30A, 125vac	1 twist lock	7.5"L x 3.25"W x 1.75"H	6 foot conduit whip	Dry contact**	Mating plug included

*UL File No. E210920 (UL 813). **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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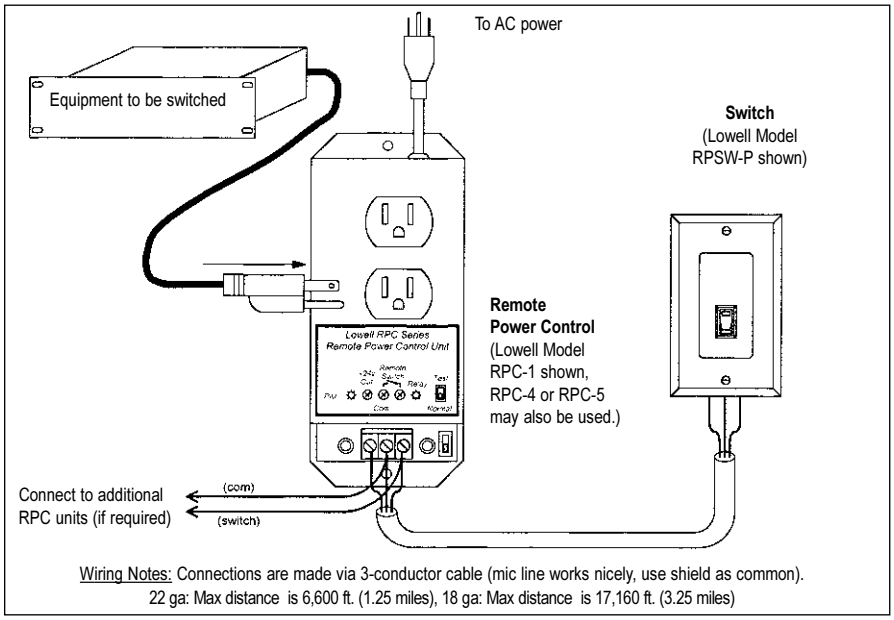
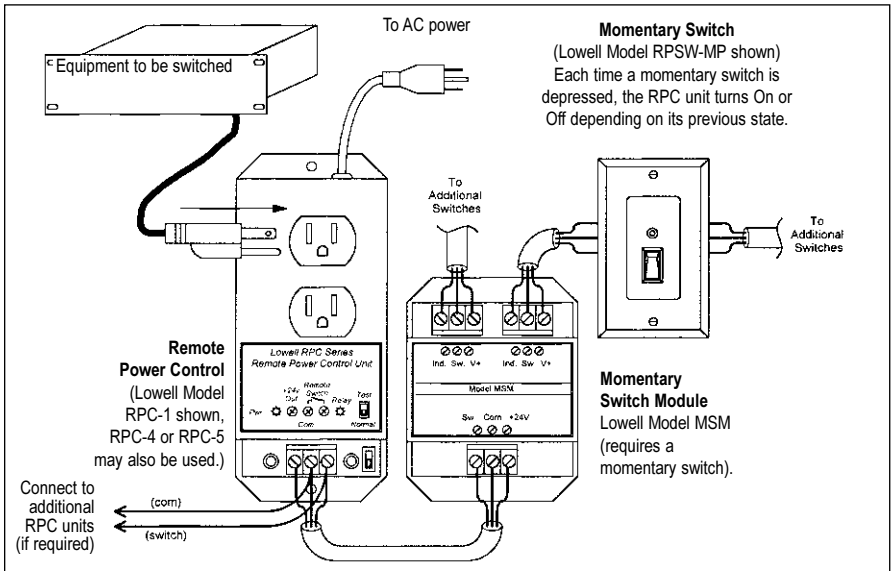


Wiring Notes: Connections are made via 3-conductor cable (mic line works nicely, use shield as common).
22 ga: Max distance is 6,600 ft. (1.25 miles), 18 ga: Max distance is 17,160 ft. (3.25 miles)

Figure 1
One or multiple RPC controls activated by a single switch.



Wiring Notes: Connections are made via 3-conductor cable (mic line works nicely, use shield as common).
22 ga: Max distance is 6,600 ft. (1.25 miles), 18 ga: Max distance is 17,160 ft. (3.25 miles)

Figure 2
One or multiple RPC controls activated by multiple switches.

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 2.75"H steel chassis. Model 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 foot cord, 6 foot conduit whip). Device _____ (shall, shall not) include surge protection for transient voltage.

Single Switch Applications:
Remote switching device for single switch applications shall be Lowell wall switch Model _____(RPSW-P with rocker switch, RPSW-KP with keylock switch) or rack panel switch Model _____(RPSB-R with rocker switch, RPSB-KR with keylock switch).

Multiple Switch Applications:
To remotely control one or more RPC units, Lowell momentary switch module Model MSM **and** momentary wall switch Model _____ (RPSW-MP with rocker switch, RPSW-MKP with keylock switch) or momentary rack panel switch Model _____ (RPSB-MR with rocker switch, RPSB-MKR with keylock switch) shall be used.

Remote Switches - Maintained Closure (single switch use)	
RPSW-P	Switch SPST rocker w LED maintained 1 ga wallplate
RPSW-KP	Switch SPST key w LED maintained 1 ga wallplate
RPSB-R	Switch SPST rocker w LED maintained 1RU rackpanel
RPSB-KR	Switch SPST key w LED maintained 1RU rackpanel
Remote Switches - Momentary Closure (multiple switch use)	
RPSW-MP	Switch SPST rocker w LED momentary 1 ga wallplate
RPSW-MKP	Switch SPST key w LED momentary 1 ga wallplate
RPSB-MR	Switch SPST rocker w LED momentary 1RU rackpanel
RPSB-MKR	Switch SPST key w LED momentary 1RU rackpanel
Momentary Switch Module (req. for SCS4 with multiple momentary switches)	
MSM	Momentary switch module for SCS-4 with multiple switches

Lowell accessory devices
(order separately)


RPSW-P
RPSW-MP


RPSB-R
RPSB-MR


MSM