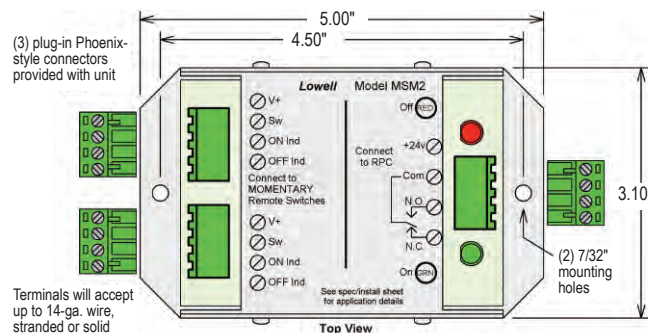Model: MSM2
Momentary Switch Module

Description:

The momentary switch module (MSM2) allows equipment that's connected to a remote power control (RPC-series) or 4-step sequencer (SCS-4) to be switched from multiple locations. The MSM2 is placed between the RPC (or SCS-4) and multiple momentary switches. It converts the normally open momentary contact closures to latching, maintained closures. This allows multiple switches in a variety of locations to activate connected equipment. When the MSM2 is connected, a momentary closure on any remote switch causes the MSM2 to change the state from open to closed or from closed to open, turning the RPC (or SCS-4) on or off. The MSM2 features dual terminal strips to connect (2) SPST momentary-style switches. Additional switches can be added in parallel (6 total for use with RPC-series or 12 total for use with the SCS-4). LED indicators display system status (on or off). The MSM2 does not require an external power source as it draws power from the host unit (RPC-series or SCS-4).

Features:

• Compact unit (5"L x 3.279"W x 1.687"H)

• Steel chassis with black powder epoxy finish includes mounting holes and connection diagram.

• Mount to a blank rack panel or rack shelf that's pre-punched for electronic devices (Lowell Model No's. USE-210 or USE-310, order separately)

• Made in the USA

A & E Specifications:

The device for converting normally open momentary contact closures to latching maintained closures shall be Lowell momentary switch module Model No. MSM2. It shall allow for multiple momentary style switches to be used to activate equipment that is connected to Lowell RPC-series remote power controls or Lowell SCS-4 sequence controller. The MSM2 device shall include 1 terminal strip for connection to remote power control Model No._____(RPC-series) or sequence controller Model No. SCS4. It shall also include 2 terminal strips to connect up to 4 momentary switches Model No._____(RPSB-series) when connected to a remote control (RPC-series) host; or up to 12 momentary switches Model No._____(RPSB-series) when connected to sequence controller Model No. SCS-4 as a host.

Compatible Host Devices: (order separately)	
RPC-1	Remote power control (15A, 1 duplex, cord)
RPC-1-20A-CD	Remote power control (20A, 1 duplex, cord)
RPC-1-20A-MC	Remote power control (20A, 1 duplex, hardwired)
RPC-1-30A-MC	Remote power control (30A, 1 twistlock, hardwired)
RPC-1-IG-MC	Remote power control (20A, 1 IG duplex, hardwired)
RPC-1-TVSS-CD	Remote power control (20A, 1 duplex, cord)
RPC-1-TVSS-MC	Remote power control (20A, 1 duplex, hardwired)
RPC-4-CD	2U rackmount panel with remote control (15A, 4 duplex, cord)
RPC-4-MC	2U rackmount panel with remote control (15A, 4 duplex, hardwired)
ACS-1510-RPC	Power strip with remote control (15A, 5 duplex, cord)
ACS-2010-RPC-HW	Power strip with remote control (20A, 5 duplex, hardwired)
ACS-2010-IG-RPC-HW	Power strip with remote control (20A, 5 IG duplex, hardwired)
ACS-2018-5C-RPC-HW	Power strip with remote control (20A, 9 duplex, 5 circuit, hardwired)
ACS-2018-IG-5C-RPC-HW	Power strip with remote control (20A, 9 IG duplex, 5 circuit, hardwired)
SCS-4	Sequence controller

Compatible Remote Switches: (order separately)

Momentary closure switch — three conductors:

RPSB-MP	Black Decora wall plate switch (rocker switch, 1 LED)
RPSW-MP	White Decora wall plate switch (rocker switch, 1 LED)
RPSB-MKP	Black Decora wall plate switch (key switch, 1 LED)
RPSW-MKP	White Decora wall plate switch (key switch, 1 LED)
RPSB-MR	IU rackmount switch (rocker switch, 1 LED)
RPSB-MKR	IU rackmount switch (key switch, 1 LED)

Momentary closure switch — four conductors:

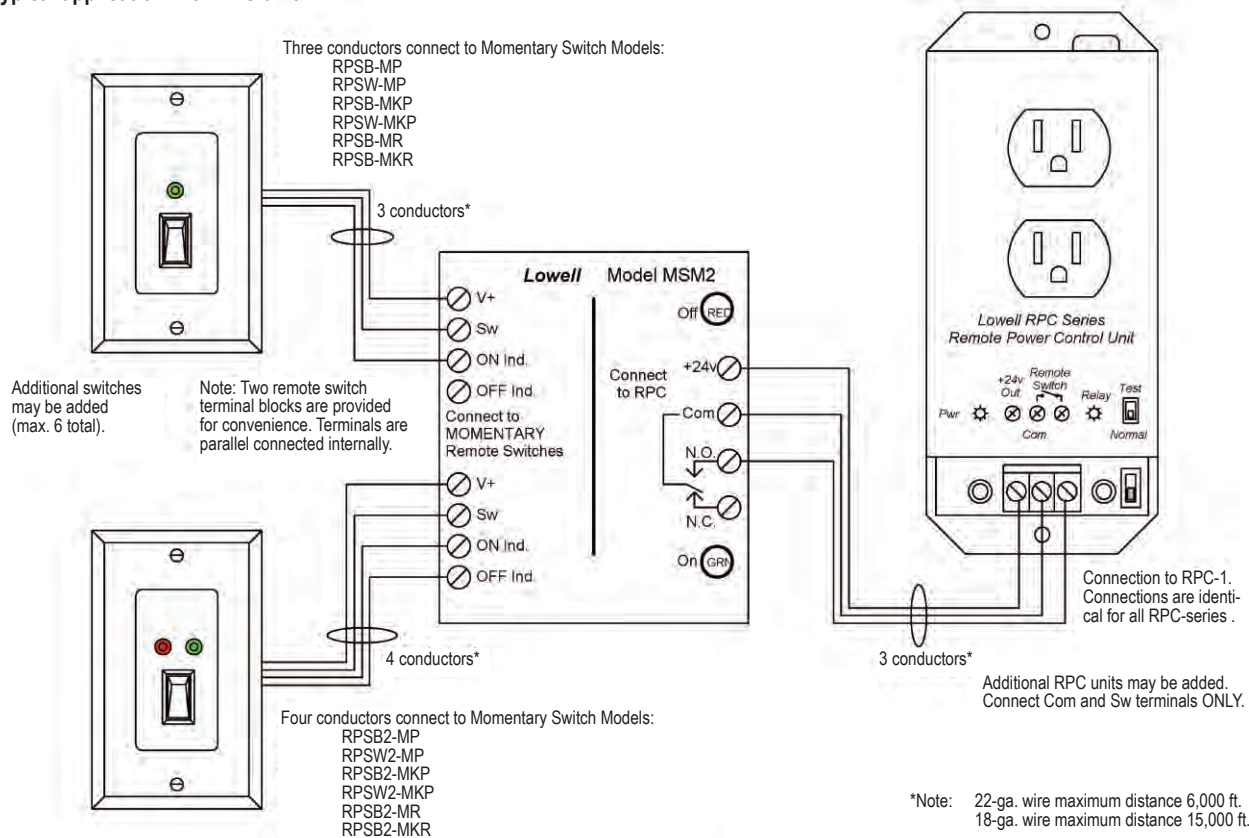|	
RPSB2-MP	Black Decora wall plate switch (rocker switch, 2 LEDs)
RPSW2-MP	White Decora wall plate switch (rocker switch, 2 LEDs)
RPSB2-MKP	Black Decora wall plate switch (key switch, 2 LEDs)
RPSW2-MKP	White Decora wall plate switch (key switch, 2 LEDs)
RPSB2-MR	IU rackmount switch (rocker switch, 2 LEDs)
RPSB2-MKR	IU rackmount switch (key switch, 2 LEDs)

Model No.	Description	Power Requirements (drawn from host)	Remote Switch Maximum
MSM2	Momentary Switch Module	24VDC, 30mA	6 with RPCs (100mA max) or 12 with SCS-4 (200mA max)

Model: MSM2
Momentary Switch Module

Typical application with RPC unit:

Three conductors connect to Momentary Switch Models:
RPSB-MP
RPSW-MP
RPSB-MKP
RPSW-MKP
RPSB-MR
RPSB-MKR

3 conductors*

Additional switches may be added (max. 6 total).

Note: Two remote switch terminal blocks are provided for convenience. Terminals are parallel connected internally.

Lowell Model MSM2

V+
Sw
ON Ind.
OFF Ind.
Connect to MOMENTARY Remote Switches

V+
Sw
ON Ind.
OFF Ind.

Off RED
Connect to RPC
+24v
Com
N.O.
N.C.
On GRN

Lowell RPC Series Remote Power Control Unit

+24v Out   Remote Switch   Relay   Test
Pwr   Com   Normal

Connection to RPC-1. Connections are identical for all RPC-series.

4 conductors*

3 conductors*

Additional RPC units may be added. Connect Com and Sw terminals ONLY.

Four conductors connect to Momentary Switch Models:
RPSB2-MP
RPSW2-MP
RPSB2-MKP
RPSW2-MKP
RPSB2-MR
RPSB2-MKR

*Note: 22-ga. wire maximum distance 6,000 ft.
18-ga. wire maximum distance 15,000 ft.

Toggle (flip-flop) between two RPC units:

SPST normally open momentary switches (unlimited quantity).

No Conn.

Lowell Model MSM2

V+
Sw
ON Ind.
OFF Ind.
Connect to MOMENTARY Remote Switches

V+
Sw
ON Ind.
OFF Ind.

No Conn.

Off RED
Connect to RPC
+24v
Com
N.O.
N.C.
On GRN

Lowell RPC Series Remote Power Control Unit

+24v Out
Com
Switch

No Conn.

Lowell RPC Series Remote Power Control Unit

+24v Out
Com
Switch

Note: Two remote switch terminal blocks are provided for convenience. Terminals are parallel connected internally.

Lowell™