

Quality Features

- Double-pole, double-throw (DPDT) relays.
- Spike suppression and polarity protection diodes provided on each relay coil.
- Enclosed design protects relays and components.
- Relay coils are field switchable to AC operation.
- Compact size for convenient installation.

Description

Lowell Models RY-2 and RY-4 are relay modules with two or four heavy duty double-pole, double-throw (DPDT) relays respectively. Each relay coil has a 5A contact rating, includes spike and polarity protection, and is independent to allow for maximum application versatility. The relay may also be field converted to AC operation by installing an electrolytic capacitor (see page 2).

General purpose relay Models RY-2 and RY-4 are reliable building blocks that are used in a wide variety of applications around the world. Equipment connections are made to the externally accessible three-sided barrier strips that are furnished with wire clamps. The protective steel chassis is finished in black semi-gloss powder epoxy and includes holes for screw mount installation to a wall or to pre-punched rack-mount shelf Model L15-310E (order separately - see page 2). Assembly ships with connection diagram on top for easy installation.

Lowell also offers a variety of accessories that may be used in conjunction with the relays such as low voltage switches, a DC power supply and 19"W rackmount shelf (see page 2).

A & E Specifications

Relay module shall be Lowell Model _____ (RY-2, RY-4) to provide _____ (2, 4) heavy duty DPDT relays. The relays shall have three-sided barrier strip terminals with wire clamps. The relay coils shall be independent from one another and have a contact rating of 5 Amps, 24VDC / 240VAC. The relay shall be built with spike suppression capability and polarity protection diodes on each relay coil. The relay module(s) shall be enclosed in a compact steel chassis with holes for wall or shelf mounting. The finish of the chassis shall be semi-gloss black powder epoxy.

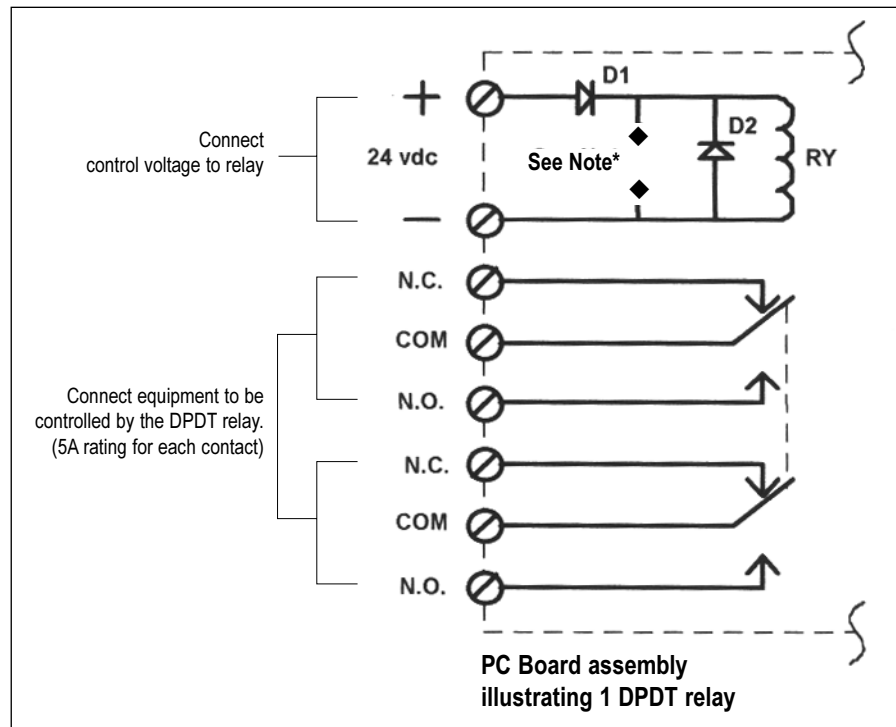


RY-2



RY-4

Model	Relay Coil Input	Relay Contact Type	Contact Rating	Dimensions L x W x H	Weight
RY-2	24 VDC 22 mA (1100 ohm)	2 DPDT	5 Amps 24VDC / 240VAC	5" x 3.28" x 1.688"	.75 lb.
RY-4	24 VDC 22 mA (1100 ohm)	4 DPDT	5 Amps 24VDC / 240VAC	5" x 6.25" x 1.688"	1.25 lbs.



RY2 and RY4 relay PC Board layout (1 DPDT relay shown)

***Note:** To convert the relay to AC operation, install an electrolytic capacitor on the PC board at points indicated by ♦.

Be sure to observe polarity. Recommended capacitor value: 22mfd, 50v.

Be aware that adding a capacitor will delay the release time of the relay by approximately 25 milliseconds. Minimum AC input is 18 volts.



RPS Series
Wall plate and rackmount switches.
Choose maintained or momentary closure
and rocker or key activation.



MSM

PS1224-2



L15-310E

Maintained Switches
(single switch applications)

RPSW-P
RPSW-KP
RPSB-R
RPSB-KR

Momentary Switches
(multiple switch applications-
also requires MSM module)

RPSW-MP
RPSW-MKP
RPSB-MR
RPSB-MKR

Activation Style

Rocker
Key
Rocker
Key

Device Style
(wall plate or rackmount)

Wall plate, 1 gang decora-style, white
Wall plate, 1 gang decora-style, white
Rack panel (1RU), black
Rack panel (1RU), black

Momentary Switch Module (required for multiple switch applications)

MSM Changes maintained closure to momentary for connection of multiple switches, 5"L x 3.279"W x 1.687"H

General Purpose DC Power Supply (2A output)

PS1224-2 DC power supply with 117VAC input, 2A selectable 6V, 12V, 24V output, 7.5"L x 3.25"W x 3.625"H

Rackmount Equipment Shelf with Security Panel

L15-310E 2RU shelf with front panel + mounting and lacing holes for electronics, 19"W x 3.5"H x 10"D

Potential Companion Accessories From Lowell (order separately)