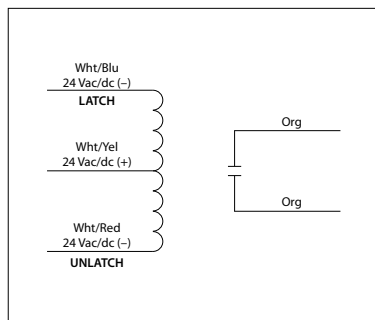


## LATCHING RELAYS

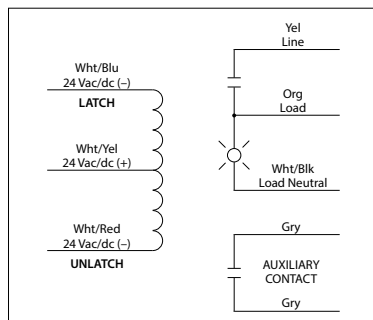
### RIBL24B

Mechanically Latching Relay, 20 Amp SPST, 24 Vac/dc Coil, NEMA 1 Housing



### RIBL24BM

Mechanically Latching Relay, 20 Amp SPST, 24 Vac/dc Coil, Status LED, Auxiliary Output, NEMA 1 Housing



**RIBL24B-RD**  
• Red housing

**RIBL24B-N4**  
• NEMA 4X housing  
(Not available on switched models)



## SPECIFICATIONS

**# Relays & Contact Type:** One (1) SPST Latching Relay, Dual Coil  
**Expected Relay Life:** 1 million cycles minimum mechanical  
**Operating Temperature:** -30 to 140° F  
**Humidity Range:** 5 to 95% (noncondensing)  
**Operate Time:** 50ms  
**Maximum Pulse Length:** 30 seconds  
**Relay Status / Auxiliary:** See **Housing A** (RIBL24B) or **Housing B** (RIBL24BM)  
**Contact Closed:** LED On = Voltage Detected on Load Wire (RIBL24BM)  
**Dimensions:** 1.70"H x 2.80"W x 1.50"D with 0.50" NPT nipple (RIBL24B)  
 2.39"H x 3.31"W x 1.81"D with 0.50" NPT nipple (RIBL24BM)  
**Housing Detail:** See **Housing A** (RIBL24B) or **Housing B** (RIBL24BM)  
 in housing guide for dimensions  
**Origin:** Made of US and non-US parts  
**Wires:** 16", 600V Rated  
**Approvals:** UL Listed, UL60947, C-UL, CE, RoHS  
**Housing Rating:** UL Accepted for Use in Plenum, NEMA 1  
**Gold Flash:** No

### Contact Ratings:

20 Amp Resistive @ 120-277 Vac  
 20 Amp Ballast @ 120-277 Vac  
 16 Amp Electronic Ballast @ 120-277 Vac  
 5540 Watt Tungsten @ 277 Vac  
 720 VA Pilot Duty @ 120-277 Vac  
 2 HP @ 277 Vac  
 3 HP @ 240 Vac  
 1.5 HP @ 120 Vac

### Notes:

- Application of voltage on latch coil (Wht/Blu & Wht/Yel) will close the contact.
- Application of voltage on unlatch coil (Wht/Red & Wht/Yel) will open the contact.
- Voltage should not be applied to the coil for more than 30 seconds.
- Auxiliary contact and status LED activate when 120-277 Vac is applied between Load (Org) wire and Load Neutral (Wht/Blk) wire. (RIBL24BM)

### Coil Current:

175 mA @ 20 Vac  
 210 mA @ 24 Vac  
 92 mA @ 20 Vdc  
 110 mA @ 24 Vdc  
 138 mA @ 30 Vdc

### Latch / Unlatch:

Min. 20 Vdc / 22 Vac

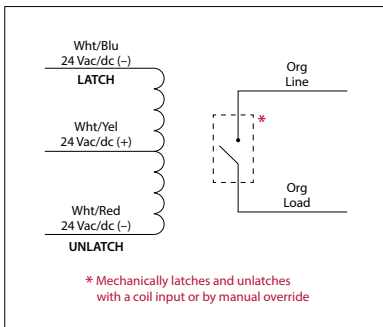
### Auxiliary Contact:

3 Amp @ 30 Vac/dc max. (RIBL24BM)

## LATCHING RELAYS

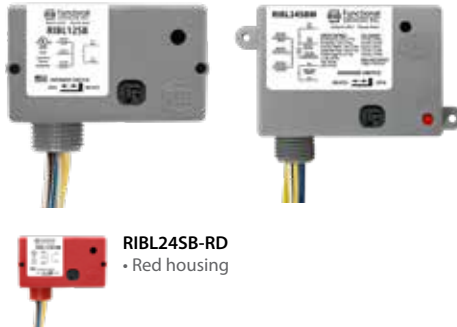
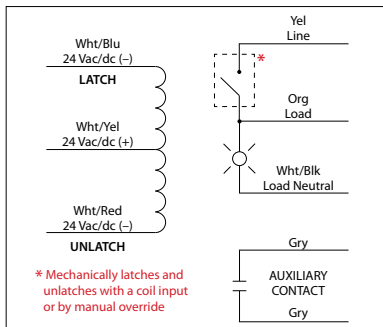
### RIBL24SB

Mechanically Latching Relay, 20 Amp SPST + True Override, 24 Vac/dc Coil, NEMA 1 Housing



### RIBL24SBM

Mechanically Latching Relay, 20 Amp SPST + True Override, 24 Vac/dc Coil, Status LED, Auxiliary Output, NEMA 1 Housing



**RIBL24SB-RD**  
• Red housing



## SPECIFICATIONS

**# Relays & Contact Type:** One (1) SPST Latching Relay, Dual Coil  
**Expected Relay Life:** 1 million cycles minimum mechanical  
**Operating Temperature:** -30 to 140° F  
**Humidity Range:** 5 to 95% (noncondensing)  
**Operate Time:** 50ms  
**Maximum Pulse Length:** 30 seconds  
**Relay Status / Auxiliary:** (RIBL24SBM)  
**Contact Closed:** LED On = Voltage Detected on Load Wire (RIBL24SBM)  
**Dimensions:** 1.70"H x 2.80"W x 1.50"D with 0.50" NPT nipple (RIBL24SB)  
 2.39"H x 3.31"W x 1.81"D with 0.50" NPT nipple (RIBL24SBM)  
**Housing Detail:** See **Housing A** (RIBL24SB) or **Housing B** (RIBL24SBM)  
 in housing guide for dimensions  
**Origin:** Made of US and non-US parts  
**Wires:** 16", 600V Rated  
**Approvals:** UL Listed, UL60947, C-UL, CE, RoHS  
**Housing Rating:** UL Accepted for Use in Plenum, NEMA 1  
**Gold Flash:** No  
**Override Switch:** Yes

### Contact Ratings:

20 Amp Resistive @ 120-277 Vac  
 20 Amp Ballast @ 120-277 Vac  
 16 Amp Electronic Ballast @ 120-277 Vac  
 5540 Watt Tungsten @ 277 Vac  
 720 VA Pilot Duty @ 120-277 Vac  
 2 HP @ 277 Vac  
 3 HP @ 240 Vac  
 1.5 HP @ 120 Vac

### Notes:

- Application of voltage on latch coil (Wht/Blu & Wht/Yel) will close the contact.
- Application of voltage on unlatch coil (Wht/Red & Wht/Yel) will open the contact.
- Voltage should not be applied to the coil for more than 30 seconds.
- Auxiliary contact and status LED activate when 120-277 Vac is applied between Load (Org) wire and Load Neutral (Wht/Blk) wire. (RIBL24SBM)

### Coil Current:

175 mA @ 20 Vac  
 210 mA @ 24 Vac  
 92 mA @ 20 Vdc  
 110 mA @ 24 Vdc  
 138 mA @ 30 Vdc

### Latch / Unlatch:

Min. 20 Vdc / 22 Vac

### Auxiliary Contact:

3 Amp @ 30 Vac/dc max. (RIBL24SBM).