Enclosed Latching Relays

- Prepackaged for convenience
- Electromechanical relay
- Mechanically latching
- Status output contact
- Electronic ballast rating
- 20 Amp rating

**Enclosed**

- Made in the USA

**Coil Voltage Contact Ratings**

<table>
<thead>
<tr>
<th>Model #</th>
<th>AC/DC</th>
<th>AC</th>
<th>Relays</th>
<th>Contacts</th>
<th>Resistive</th>
<th>Motor</th>
<th>Ballast</th>
<th>Tungsten</th>
<th>Pilot Duty</th>
<th>Override Switch</th>
<th>Gold Flash</th>
<th>Auxiliary Output</th>
<th>Notes</th>
<th>Spec Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>RIBL12B</td>
<td>*</td>
<td>12</td>
<td>1</td>
<td>SPST</td>
<td>20A</td>
<td>1.5 HP</td>
<td>20A</td>
<td>5540W</td>
<td>720VA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>44</td>
</tr>
<tr>
<td>RIBL12BM</td>
<td>*</td>
<td>12</td>
<td>1</td>
<td>SPST</td>
<td>20A</td>
<td>3 HP</td>
<td>20A</td>
<td>5540W</td>
<td>720VA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>44</td>
</tr>
<tr>
<td>RIBL12SB</td>
<td>*</td>
<td>12</td>
<td>1</td>
<td>SPST</td>
<td>20A</td>
<td>1.5 HP</td>
<td>20A</td>
<td>5540W</td>
<td>720VA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>44</td>
</tr>
<tr>
<td>RIBL12SBM</td>
<td>*</td>
<td>12</td>
<td>1</td>
<td>SPST</td>
<td>20A</td>
<td>3 HP</td>
<td>20A</td>
<td>5540W</td>
<td>720VA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>44</td>
</tr>
<tr>
<td>RIBL24B</td>
<td>*</td>
<td>24</td>
<td>1</td>
<td>SPST</td>
<td>20A</td>
<td>1.5 HP</td>
<td>20A</td>
<td>5540W</td>
<td>720VA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>45</td>
</tr>
<tr>
<td>RIBL24BM</td>
<td>*</td>
<td>24</td>
<td>1</td>
<td>SPST</td>
<td>20A</td>
<td>3 HP</td>
<td>20A</td>
<td>5540W</td>
<td>720VA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>45</td>
</tr>
<tr>
<td>RIBL24SB</td>
<td>*</td>
<td>24</td>
<td>1</td>
<td>SPST</td>
<td>20A</td>
<td>1.5 HP</td>
<td>20A</td>
<td>5540W</td>
<td>720VA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>45</td>
</tr>
<tr>
<td>RIBL24SBM</td>
<td>*</td>
<td>24</td>
<td>1</td>
<td>SPST</td>
<td>20A</td>
<td>3 HP</td>
<td>20A</td>
<td>5540W</td>
<td>720VA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>45</td>
</tr>
</tbody>
</table>

= UL Listed: UL60947 Low-Voltage Switchgear and Controlgear

Local Power

120-277 Vac Lighting

Status to Controller

N/O Momentary Wall Switch

Controller

24 Vac Supply

Latch

Un latch

N/O Momentary Wall Switch

N/O Momentary Wall Switch

On

Common

Off
# RIBL12B
Enclosed Mechanically Latching Relay 20 Amp SPST with 12 Vac/dc Coil

- **Specifications**
  - **Relays & Contact Type:** One (1) SPST Latching Relay, Dual Coil
  - **Operating Temperature:** -30 to 140°F
  - **Humidity Range:** 5 to 95% (noncondensing)
  - **Maximum Pulse Length:** 30 seconds
  - **Maximum Pulse Length:**
    - **Relay Status / Auxiliary Contacts:**
      - **Contact Closed:** LED on = Voltage Detected on Load Wire (RIBL12BM)
      - **Dimensions:** 1.70” x 2.80” x 1.50” with .50” NPT Nipple (RIBL12BM)
      - **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

# RIBL12BM
Enclosed Mechanically Latching Relay 20 Amp SPST with 12 Vac/dc Coil, Status LED and Auxiliary Output

- **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)
  - **Maximum Pulse Length:** 50ms
  - **Maximum Pulse Length:**
    - **Relay Status / Auxiliary Contacts:**
      - **Contact Closed:** LED on = Voltage Detected on Load Wire (RIBL12BM)
      - **Dimensions:** 1.70” x 2.80” x 1.50” with .50” NPT Nipple (RIBL12BM)
      - **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
  - 20 Amp 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.
  - Auxiliary contact and status LED activate when 120-277 Vac is applied between Load (Org) wire and Load Neutral (Wht/Blk) wire. (RIBL12BM)

# RIBL12SB
Enclosed Mechanically Latching Relay 20 Amp SPST + Override with 12 Vac/dc Coil

- **Specifications**
  - **Relays & Contact Type:** One (1) SPST Latching Relay, Dual Coil
  - **Operating Temperature:** -30 to 140°F
  - **Humidity Range:** 5 to 95% (noncondensing)
  - **Maximum Pulse Length:** 30 seconds
  - **Maximum Pulse Length:**
    - **Relay Status / Auxiliary Contacts:**
      - **Contact Closed:** LED on = Voltage Detected on Load Wire (RIBL12BM)
      - **Dimensions:** 1.70” x 2.80” x 1.50” with .50” NPT Nipple (RIBL12BM)
      - **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
  - 20 Amp 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.
  - Auxiliary contact and status LED activate when 120-277 Vac is applied between Load (Org) wire and Load Neutral (Wht/Blk) wire. (RIBL12BM)
RIBL24B
Enclosed Mechanically Latching Relay 20 Amp SPST with 24 Vac/dc Coil

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)
- **Maximum Pulse Length:** 30 seconds
- **Relay Status / Auxiliary**
  - **Contact Closed:** LED On = Voltage Detected on Load Wire (RIBL24BM)
  - **Dimensions:** 1.70” x 2.80” x 1.50” with .50” NPT Nipple (RIBL24BM)
  - **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
- 20 Amp 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 unlatch coil (Wht/Red & Wht/Yel) will open the contact.
- Auxiliary contact and status LED activate when 120-277 Vac is applied between Load (Org) wire and Load Neutral (Wht/Blk) wire. (RIBL24BM)

RIBL24BM
Enclosed Mechanically Latching Relay 20 Amp SPST + Override with 24 Vac/dc Coil, Status LED and Auxiliary Output

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)
- **Maximum Pulse Length:** 50ms
- **Relay Status / Auxiliary**
  - **Contact Closed:** LED On = Voltage Detected on Load Wire (RIBL24BM)
  - **Dimensions:** 2.30” x 3.20” x 1.80” with .50” NPT Nipple (RIBL24BM)
  - **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
- 20 Amp 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 unlatch coil (Wht/Red & Wht/Yel) will open the contact.
- Auxiliary contact and status LED activate when 120-277 Vac is applied between Load (Org) wire and Load Neutral (Wht/Blk) wire. (RIBL24BM)