Circuit Breaker Disconnects - No Visible Blades

High Energy Panels (NFPA 70E Category 3 or 4)

Frequently Accessed Panels

Mechanical LOTO: Indicating Zero Energy

Panels with Multiple Power Sources

Three Phase 40-750VAC/30-1000VDC UL-Listed Voltage Indicator for Type 4X/12/13 for 30mm Mounting

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>R-3W</td>
<td>Flashing</td>
</tr>
<tr>
<td>R-3W-KB</td>
<td>Flush Mount Assembly with Bezel and R-3W (UL)</td>
</tr>
<tr>
<td>R-3W-L</td>
<td>Adhesive-Backed Warning Label (slips over installed R-3W)</td>
</tr>
<tr>
<td>R-3W-KB-L</td>
<td>Adhesive-Backed Warning Label (slips over installed R-3W-KB)</td>
</tr>
<tr>
<td>R-3W-SR</td>
<td>Non-Flashing</td>
</tr>
<tr>
<td>R-3W-SR-KB</td>
<td>Flush Mount Assembly with Bezel and R-3W-SR (UL)</td>
</tr>
<tr>
<td>R-3W-SR-L</td>
<td>Adhesive-Backed Warning Label (slips over installed R-3W-SR)</td>
</tr>
<tr>
<td>R-3W-KB-L</td>
<td>Adhesive-Backed Warning Label (slips over installed R-3W-SR-KB)</td>
</tr>
<tr>
<td>R-3W2</td>
<td>Hazardous Location Flashing Voltage Indicator</td>
</tr>
<tr>
<td>R-3W2-KB</td>
<td>Flush Mount Assembly with Bezel and R-3W2 (UL)</td>
</tr>
<tr>
<td>R-3W-L</td>
<td>Adhesive-Backed Warning Label (slips over installed R-3W2)</td>
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<tr>
<td>R-3W-KB-L</td>
<td>Adhesive-Backed Warning Label (slips over installed R-3W2-KB)</td>
</tr>
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</table>

(1) Must be purchased as an assembly for UL Listing
(2) For the R-3W-SR, the LED appearance for differing voltages as follows: 32-159V(FLASH); 160-329V(SHIMMER); 330V+(SOLID)).
(3) See R-3W2 datasheet for specifications and UL information

**FEATURES:**
- Redundant Circuitry / Long Life LED’s
- 40-750VAC / 30-1000VDC / 35-600VAC 1Ø
- Potted Construction with 6’ Leads
- Phase Insensitive
- 30mm Pushbutton or Pilot Hole
- High Surge Immunity
- UL Listed, Type 4X, 12, 13

**APPLICATIONS:**
- Circuit Breaker Disconnects - No Visible Blades
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**Reduced Voltage Exposure and Arc Flash Risk**
Voltage is the common denominator in an electrical accident or an arc flash; no voltage means no accident, no arc flash. While performing electrical LOTO with a thru-door voltage detector installed, the electrician can pre-check the internal voltage state without opening the enclosure. Next, the electrician should replicate a zero voltage reading with his voltmeter as per NFPA 70e 120.1(5). This low-cost, redundant voltage-verification task reduces arc flash risk and increases electrical safety for workers.

**More Productivity in Mechanical LOTO**
Workers performing mechanical LOTO must isolate electrical energy. An externally-mounted voltage detector provides a means to check voltage inside an electrical panel. Without a voltage indicator, a mechanic performing mechanical LOTO would be required to work in tandem with an electrician using a voltmeter to physically verify voltage inside an electrical panel. In this case, the electrician is exposed to voltage. With thru-door voltage detectors, the mechanic can verify zero electrical energy without any exposure to voltage.

**Safer Lock-Out Tag-Out (LOTO)**
Keeping personnel away from live voltage is foundational to electrical safety. Electrical safety demands a precise answer to the question 'Is voltage present?'. Thru-door voltage indicators provide visibility of voltage from outside the enclosure without exposing personnel to voltage.

**Features:**
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- 40-750VAC / 30-1000VDC / 35-600VAC 1Ø
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- 30mm Pushbutton or Pilot Hole
- High Surge Immunity
- UL Listed, Type 4X, 12, 13

**Applications:**
- Circuit Breaker Disconnects - No Visible Blades
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**Precaution:**
Verify an electrical conductor has been de-energized using an adequately rated voltage detector before working on it. Follow appropriate Energy Control (Lockout/Tagout) procedures as per OSHA Subpart S; the current edition of NFPA 70E; and the current edition of CSA Z462.
**OPERATIONAL RANGE:** AC Single or 3-Phase: 40-750V 50/60Hz
Operates up to 400 Hz

**DC OR STORED ENERGY:**
30 to 1000 VDC

**MAXIMUM VOLTAGE:**
750VAC/1000VDC - Surge 4300V for 5 seconds

**POWER CONSUMPTION:**
1.2 Watts @ 750 VAC (Approximately)

**TEMPERATURES:**
Operate: -20ºC to +55ºC, Storage: -45ºC to +85ºC

**FAILURE CURRENT:**
Maximum single component failure fault current is 3.7mA @ 750 VAC

**FUSING:**
Follow all Local, State, and National Electrical Codes when installing this equipment. Overcurrent protection of the supply leads may be necessary. The installation of overcurrent protection shall be in accordance with the requirements in the NEC (NFPA 70) or end product standard(s) when used in the final installation.

**Voltage Indicator Alert Label**
This adhesive-back label fits over an installed power warning alert. Warning language differs for flashing and non-flashing units.

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<th>Part Number</th>
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<tr>
<td>R-3W-L</td>
<td>Label for Flashing and Class 1 Div 2 Voltage Indicator</td>
</tr>
<tr>
<td>R-3W-SR-L</td>
<td>Label for Non-Flashing Voltage Indicator</td>
</tr>
<tr>
<td>R-3W-KB-L</td>
<td>Label for all Bezel Units</td>
</tr>
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**Accessories:**

**NEW! Bezel-mount Installation for Voltage Indicator!**
Create a near-flush look by purchasing your Voltage Indicator with our new bezel.

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<td>Non-Flashing Voltage Indicator with Bezel</td>
</tr>
<tr>
<td>R-3W2-KB</td>
<td>Class 1 Div 2 Voltage Indicator with Bezel</td>
</tr>
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*Corresponding label available for bezel-mount configurations.

**Dimensions of the Bezel - Diameter:** 2.25”
**Outside cabinet depth:** .20”
**Inside cabinet depth:** 3.50”

**Part #: R-3W-NPT125**
A 30mm to 1” NPT conduit adapter. This assembly fits into a standard conduit LB for mounting on the outside of an enclosure.

**Part #: R-3W-DR-C6**
Use this door mount accessory for additional voltage protection. Includes a 30mm adapter and 6’ of NW10 flexible conduit. (Allow 4.5” depth into panel).