8-pin Plug-in Alternating Relay

Description
The ALT series alternating relays are used to alternate between two loads. The ALT is commonly used in duplex pumping applications to balance the runtime of both pumps.

The ALT-S is used in single high-level float applications. When the float switch opens, the alternating relay changes state, forcing the other pump to run the next time the float closes. All ALT relays have a built-in debounce feature that prevents the relay from changing state if the switch or float contact bounces momentarily.

The ALT-X has an internal cross-connected relay and is used in dual high-level float applications. These floats are commonly referred to as lead and lag floats.

The pumps alternate as in the ALT-S version but the cross-connected relay configuration allows both pumps to run simultaneously when both the lead and lag floats are closed.

These relays are also available with a built-in switch (SW option) that is used to manually force one of the pumps to run every time the float switch is closed. This is helpful when a pump has been removed for repair or for test purposes. In the case of the ALT-X-SW, the switch essentially forces one pump to be the lead pump, while still allowing the second to run when both floats are closed.

Must use the OT08PC socket for UL Rating!

*Note: Manufacturer’s recommended screw terminal torque for the OT series Octal Sockets is 12 in.-lbs.

Features & Benefits

<table>
<thead>
<tr>
<th>FEATURES</th>
<th>BENEFITS</th>
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<tbody>
<tr>
<td>Debounce time delay</td>
<td>Prevents nuisance actuating causes by waves or spashing in the tank</td>
</tr>
<tr>
<td>Built-in manual/ auto switch</td>
<td>Force lead pump operation when a pump is removed for repair or testing (on select models)</td>
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Ordering Information

<table>
<thead>
<tr>
<th>MODEL</th>
<th>LINE VOLTAGE</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>ALT024-S</td>
<td>20-26 V ac</td>
<td>For single high-level float applications</td>
</tr>
<tr>
<td>ALT024-S-SW</td>
<td>20-26 V ac</td>
<td>For single high-level float applications with built in manual switch</td>
</tr>
<tr>
<td>ALT115-S</td>
<td>95-125 V ac</td>
<td>For single high-level float applications</td>
</tr>
<tr>
<td>ALT115-S-SW</td>
<td>95-125 V ac</td>
<td>For single high-level float applications with built in manual switch</td>
</tr>
<tr>
<td>ALT115-X</td>
<td>95-125 V ac</td>
<td>For dual high-level (lead and lag) float applications</td>
</tr>
<tr>
<td>ALT115-X-SW</td>
<td>95-125 V ac</td>
<td>For dual high-level (lead and lag) float applications with built in manual switch</td>
</tr>
<tr>
<td>ALT230-S</td>
<td>195-250 V ac</td>
<td>For single high-level float applications</td>
</tr>
<tr>
<td>ALT230-S-SW</td>
<td>195-250 V ac</td>
<td>For single high-level float applications with built in manual switch</td>
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<td>ALT230-X</td>
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</tbody>
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Accessories

**OT08PC Octal 8-pin Socket**
8-pin 35 mm DIN rail or surface mount. Rated at 10 A @ 600 V ac. Surface mounted with two #6 screws or snaps onto a 35 mm DIN rail.
## Specifications

### Input Characteristics
- **Supply Current**: 40 mA

### Functional Characteristics
- **Debounce Time Delay**: 0.5 second

### Control Input Impedance (min)
- **24**: 10 kΩ
- **115**: 56 kΩ
- **230**: 100 kΩ

### Output Characteristics
- **Output Contact Rating**: 480 VA @ 240 V ac

## General Characteristics

### Temperature Range
- -40 °C to 50 °C (-40 °F to 122 °F)

### Maximum Input Power
- 5 W

### UL (OT08PC octal socket required)
- UL 508 (File #E68520)
- CSA C22.2 No. 14 (File #46510)

### Dimensions (with socket)
- **H**: 44.45 mm (1.75”)
- **W**: 60.33 mm (2.375”)
- **D**: 104.78 mm (4.125”)

### Weight
- 0.38 lb. (6.08 oz., 172.67 g)

### Mounting Method
- DIN rail or surface mount (plug into OT08PC socket)

### Socket Available
- OT08PC (UL Rating 600 V)

The 600 V socket can be surface mounted or installed on DIN rail.