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.

**Features & Benefits**

- **Debounce time delay**: Prevents nuisance actuating causes by waves or spashing in the tank
- **Built-in manual/auto switch**: Force lead pump operation when a pump is removed for repair or testing (on select models)

**Ordering Information**

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<tr>
<th>MODEL</th>
<th>LINE VOLTAGE</th>
<th>DESCRIPTION</th>
</tr>
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<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>
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<tr>
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<td>95-125 V ac</td>
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<tr>
<td>ALT115-X</td>
<td>95-125 V ac</td>
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<tr>
<td>ALT230-S</td>
<td>195-250 V ac</td>
<td>For single high-level float applications</td>
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*Note: Manufacturer’s recommended screw terminal torque for the OT series Octal Sockets is 12 in.-lbs.*

**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.

*ALT024-S and ALT024-S-SW are not UL Listed*
## 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

### Safety Marks
- 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

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

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