## Magnecraft™ Latching Relay Wiring

Detailed wiring descriptions and diagrams

### 2-Wire, Unidirectional Pulse:
The contacts transfer and reset when a unidirectional pulse is applied to the single coil using two (2) control wires. Available for AC & DC circuits.

### 2-Wire, Alternating Polarity:
The contacts transfer and reset when the voltage polarity is alternated into the single coil using two (2) control wires. Available for DC circuits only.

### 3-Wire:
The contacts transfer and reset when the voltage is alternated between two (2) control wires while utilizing a third (common) wire. This single coil has internal diodes. Available for AC circuits only.

### 4-Wire:
The contacts transfer and reset when the voltage is alternated between two (2) unique coils using four (4) control wires. Available for DC circuits only.

**Wire Setup**

<table>
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<th>2-Wire, Unidirectional Pulse:</th>
<th>2-Wire, Alternating Polarity:</th>
<th>3-Wire:</th>
<th>4-Wire:</th>
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<tbody>
<tr>
<td>Contacts Open</td>
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<td>Contacts Closed</td>
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<td>Relays</td>
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</tbody>
</table>

**Wiring Diagrams**

- **2-Wire, Unidirectional Pulse:**
  - Contacts Open
  - Contacts Closed
- **2-Wire, Alternating Polarity:**
  - Contacts Open
  - Contacts Closed
- **3-Wire:**
  - Contacts Open
  - Contacts Closed
- **4-Wire:**
  - Contacts Open
  - Contacts Closed

**Relays**

- 711
- 303 785
- 303 755 785
- 303 385 755 785

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