COMPACT, PLUG IN, STYLE RELAYS
Designed to operate from electrodes or probes contacting conductive liquids, they are suited to level control applications such as vending, dispensing, ice-making machines, water softeners, dishwashers, and coffee makers, plus many types of operating equipment in the food, drug, dairy, brewing, distilling and chemical processing industries.

Series 5400 Relays have a low energy sensing circuit with a lock-in holding feature that permits operation over a range of levels, or from momentary contact pilot devices such as float, flow, pressure and limit switches, thermostats and push-button actuators, etc. They are equally suitable for use as original equipment components in many products and systems that require monitoring and control of such process variables as temperature, pressure, humidity, flow, voltage and current, etc.

**BASIC SPECIFICATIONS**

- **Voltage:**
  - 120 volts ac, 50/60 hertz
  - 24 volts ac, 50/60 hertz (special order)

- **Power Required:**
  - 1.2 volt-amperes max.

- **Load Contacts:**
  - Single pole, double throw. Silver Cadmium Oxide

- **Contact Ratings:**
  - 10 amps resistive load or 1/3 hp at 120 volts ac; 6 amps at 240 volts ac or 28 volts dc. Minimum load is 100 mA at 5 vdc.

- **Sensing Voltage:**
  - 18 vac RMS max.

- **Sensing Current:**
  - 2.0 mA RMS max.

- **Sensitivity:**
  - Adjustable 1K to 250K ohms +/- 10%. Factory set at 100k OHMS +/- 10%

- **Mounting:**
  - 8 pin octal base socket (sold separately)

- **Time Delay:**
  - 5 seconds +/- 10%, other delay times available on 5400-A and 5400-B series only

**Series 5400 Dimensions**

- **Telephones Pair:**
  - Two #14 in open air
  - Two #14 in 1/2" conduit
  - Two #14 in lead sheath

- **Minimum (1.0k ohms) Sensitivity:**
  - In excess of 50,000 feet

- **Maximum (250K ohms) Sensitivity:**
  - 700 feet
  - 530 feet
  - 265 feet
  - 35 feet

**5400 Wiring Diagram**

**Ordering Information**

<table>
<thead>
<tr>
<th>SINGLE LEVEL</th>
<th>DUAL LEVEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct Operation (High Level Alarm)</td>
<td>Inverse Operation (Low Level Alarm)</td>
</tr>
<tr>
<td>110 Volts A.C.</td>
<td>5400-A-L1</td>
</tr>
</tbody>
</table>