UR SERIES
VOLTAGE CONTROL RELAY
UL listed   CSA recognized

- AC or DC Voltage Control
- Manual or Automatic Operation
- Adjustable Threshold
- 5 to 50% Hysteresis Range
- LED Relay Status Indicator

SPECIFICATIONS:

<table>
<thead>
<tr>
<th>Input</th>
<th>24 VDC, 24, 48, 110, 220 VAC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power consumption</td>
<td>24 VAC: 1 VA</td>
</tr>
<tr>
<td></td>
<td>48 VAC: 1.2 VA</td>
</tr>
<tr>
<td></td>
<td>110 VAC: 3.5 VA</td>
</tr>
<tr>
<td></td>
<td>220 VAC: 7 VA</td>
</tr>
</tbody>
</table>

Acceptance load (input) in mV:

<table>
<thead>
<tr>
<th>AC or DC</th>
<th>0.1 to 10 V</th>
<th>0.4 to 40 V</th>
<th>4 to 400 V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resistance</td>
<td>10 kΩ</td>
<td>40 kΩ</td>
<td>400 kΩ</td>
</tr>
<tr>
<td>Permanent load</td>
<td>50 V</td>
<td>100 V</td>
<td>440 V</td>
</tr>
<tr>
<td>Less than 10ms peak max.</td>
<td>100 V</td>
<td>300 V</td>
<td>750 V</td>
</tr>
</tbody>
</table>

Hysteresis selection:

- 5 to 50% of set point

Repeat accuracy:

- ±2% at a constant ambient

Output Relay:

- SPDT Relay

Contact material:

- AgCdO

Maximum loading:

- 10 A AC resistive 8 A DC inductive

Maximum switching voltage:

- 250 VAC 250 VDC

Relay maximum power rating:

- 2200 VA

Transient protection:

- 2500 volts 30 W

Mechanical life of relay:

- 30 x 10⁶ operations

Electrical life of relay:

- 2 x 10⁹ at 2400 VA resistive load

Repetition accuracy:

- ±0.5% at a constant ambient

Response time:

- 100 ms on make 200 ms on break

Operating temperature:

- -4°F to +140°F -20°C to +60°C

Weight:

- 7 oz. (200g)

Option: 24 VDC power – the voltage and the measured current must be from separate sources.

WIRING DIAGRAM:

ORDERING INFORMATION:

D = DIN-rail mounting
L = 11 pin plug-in

Products and specifications subject to change without notice.
Consult factory for application assistance.

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