RCU-7000
Power Relay Unit for Pump Control

- Low cost relay for switching of larger loads and alternating pumps
- Standard relay outputs
- Programmable alarm status
- 120 VAC or 240 VAC model available
- DIN rail socket is available
- Use with all single point level sensors when switching loads or control functions are required

- Wiring

The RCU-7000 is a control relay for switching higher currents and voltages than for which a reed switch level device might be rated. The RCU-7000 is designed so that multiple units may be used in combination to provide a variety of control functions, including multiple alarms and alternating pumps.

Specifications

PERFORMANCE
- Output SPDT Rating: 240 VAC, 5 A max., 30 VDC, 5 A resistive
- Source to Sensor: 8 VAC, 5 mA max.
- Operating Resistance: 4 K or less
- Release Resistance: 15 K or less
- Indication: Green LED for power status; Red LED for relay status

ELECTRICAL
- Supply Voltage: 90 to 132 VAC; 180 to 264 VAC, 50/60 Hz
- Power Consumption: 1.5 VA

PHYSICAL
- Dimensions: 2 x 3.125 x 4 in. (50 x 84 x 109 mm)
- Materials: ABS
- Weight: 0.61 lbs. (280 g)

ENVIRONMENTAL
- Operational Temperature: 14 to 122°F (-10 to 50°C)

Specifications are subject to change without notice.
RCU-7000 Power Relay Unit for Pump Control

- Single Level Alarm Wiring (ELS)

Power Supply (90-132/180-264 V AC)

![Diagram of Single Level Alarm Wiring (ELS)]

- Control Wiring for High and Low Level Alarm (FLR)

![Diagram of Control Wiring for High and Low Level Alarm (FLR)]

- Dual Level Empty/Fill Control Wiring (ELS)

Power Supply (90-132/180-264 V AC)

![Diagram of Dual Level Empty/Fill Control Wiring (ELS)]

- Control Wiring for High and Low Level Alarm (ELS)

![Diagram of Control Wiring for High and Low Level Alarm (ELS)]
■ Control Wiring for Dual Pumps Emptying with HH Alarm (ELS)

■ RCU-7000 Schematic (typical)
■ Dimensions — in./mm

■ Ordering Information

Configuration

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>7000</td>
<td>With 8 VAC power supply (&lt; 3 k )</td>
</tr>
<tr>
<td>7100</td>
<td>With 8 VAC power supply (&lt; 50 k )</td>
</tr>
</tbody>
</table>

Note: Use 7100 Series relay for any medium with resistance between electrodes exceeding 3 k as measured with an ohmmeter. If resistance exceeds 50 k, select a different control technique.