RS-090 Washing Machine Leak Detection & Shut-Off System

VALVE SIZE: DUAL-PORT 3/4”

- Disables the water supply to your washing machine when a water leak is detected.
- Activates audible alarm and dry contact to send a signal to a home security system or a relay to control power to the washer.
- Kit includes receiver/alarm box, sensor with 8’ lead wire, 2-port side-by-side valve with electric actuator and 120 VAC power supply.
- For use with any standard washing machine. Check with the machine manufacturer before using with high-efficiency units.
- System is reusable – when the alarm sounds, fix the problem and reset the unit for continued protection.
- Powered by a standard wall outlet (120 VAC).

RS-090 Component Dimensions

<table>
<thead>
<tr>
<th>Model #</th>
<th>Alarm Control (L x W x H)</th>
<th>Sensor (Dia. x H)</th>
<th>Wall Plug (L x W x H)</th>
<th>Sensor Range</th>
<th>Hoses (2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RS-090</td>
<td>2.5” x 1” x 2.5”</td>
<td>3” x 1”</td>
<td>2.25” x 2” x 3”</td>
<td>8’</td>
<td>9” steel braided – one straight and one 90-degree elbow connection</td>
</tr>
</tbody>
</table>

Direct-Mount 2-Way, 4-Port Valve Body

Low-zinc bronze alloy, male/male NPT.
- Pressure Rating: ANSI 250 (400 PSI at 32°F to 150°F)
- Maximum Test Pressure: 1200 PSI
- Stem Travel: 4mm
- Maximum Temperature: 250°F
- Valve Stem: Burnished 303 stainless steel
- Valve Stem Packing: Double EPDM
- Valve Seat: Integral bronze
- Valve Disc and Plunger: EPDM
- Valve Spring: Stainless steel
- End Connections: 3/4” hose connection

Valve Dimensions:
**Electric Actuator**

- Housing made of high-temperature composite glass-filled nylon.
- Direct connection of actuator to the valve body is made by M30 x 1.5 brass ring.
- Reversible, brushless synchronis electric motor maintains constant control speed to keep the cycle time constant.
- Maximum stem output is force balance controlled with electronic shut-off when end travel is detected in both directions.

**Electric Actuator Specifications:**

- Maximum Working Force: 48 lbs. or 213N
- Working Time in Seconds: 90 seconds
- Duty Rating: 100%
- Travel: 4.0mm
- Position Indicator: Standard
- Working Temperature: 40°F to 120°F
- Weight: 0.7 lbs.
- Noise Level: 35 dB
- Conforms to CE and ROHS requirements
- Low voltage as per CSA Class ii 24 VAC devices

**Electric Actuator Power Consumption:**

- Input Voltage: 24 VAC
- Frequency: 60/50Hz
- Current: 0.045 Amp
- Power: 1VA

**Actuator Dimensions:**

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value</th>
</tr>
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<tbody>
<tr>
<td>7/8&quot;</td>
<td>2-3/8&quot;</td>
</tr>
<tr>
<td>2-3/8&quot;</td>
<td>3-3/8&quot;</td>
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<tr>
<td>3-1/8&quot;</td>
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</tbody>
</table>

**Valve & Actuator Dimensions:**

<table>
<thead>
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<th>Value</th>
</tr>
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<tbody>
<tr>
<td>1-1/8&quot;</td>
<td>2-1/2&quot;</td>
</tr>
<tr>
<td>2-1/4&quot;</td>
<td></td>
</tr>
<tr>
<td>2-1/4&quot;</td>
<td></td>
</tr>
<tr>
<td>6-3/4&quot;</td>
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</tbody>
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![Diagram of Valve & Actuator Dimensions](image-url)