The Taco Zone Sentry® Zone Valve enhances the overall performance of any zone valve system. The unique patented technology in the Zone Sentry utilizes a microcircuit based logic to control a gear driven electronic actuator which drives a ball valve based body design. All this adds up to a zone valve that leads the industry in energy efficiency, flow capacity (Cv), shutoff pressure rating, ease of installation, diagnostic capability and the number of valves (12) that can be use on a standard 40VA transformer. Taco Zone Sentry zone valves are available in sweat, threaded, 3/4” Press Connection, Inverted Flare 3/4” sweat and 3-way configurations.
### Product Specifications

- **Max. Operating Pressure**: 350 PSI (2408 kPa)
- **Max. Shutoff Pressure**: 125 PSI (857 kPa)
- **Max. Ambient Temp.**: 135°F
- **Fluid Temp. Range**: 20-240°F (7-115°C)
- **Service**: Water or Glycol up to 50% Glycol
- **Close Systems**: 20% Glycol
- **Zone Sentry Dimensions**: (FOR REFERENCE PURPOSES)
  - **Ball Rotation Speed**: 90° turn, approx. 5 seconds
  - **Engineered Polymer Gears**: High Performance Internally Lubricated
  - **O-Rings**: EPDM
  - **Seat**: Modified Teflon®
  - **Ball**: Brass (Chrome Plated)
  - **Press Ring**: Brass
  - **Stem**: Brass

### Materials of Construction, Actuator:

- **Body**: High Performance Engineered Polymer
- **Gears**: High Performance Internally Lubricated Engineered Polymer
- **Electrical Rating**: 24 VAC, 60Hz, 0.48 Amps
- **Power Consumption**: 1.44W, 0.06 Amps
- **Heat Anticipator Setting**: 0.5 Amps
- **End Switch Rating**: 1 Amp @ 24 VAC

### Materials of Construction, Valve:

- **Body**: Forged Brass
- **Stem**: Brass
- **Press Ring**: Brass (Chrome Plated)
- **Ball**: Modified Teflon®
- **O-Rings**: EPDM

### Ease of Installation / Operation:

The Taco Zone Sentry is the most technologically advanced zone valve ever made. It’s also simple to install and operate. The valve can be installed in any direction, in any orientation. We then went a step further, allowing the operator to be mounted to the 2-way valve body in either direction, great for those tight baseboard jobs. Snap-in quick connect on the back of the valve make for a simple, secure and fast wiring hook-up. A green LED light shows full functionality of the valve’s operation and thermostat status. Under a no power situation the manual override button located on the top of the valve allows the ball to be rotated up to 90° and is also marked with a slot to indicate the position of the valve.

### Zone Sentry® Ball Valve Zone Valve

### Application:

Taco Zone Sentry® Zone Valves provide on-off, normally open or normally closed control in both open and closed hydronic systems. The valves can be used in a wide variety of heating and non condensing cooling applications, primarily designed for use with baseboard, fan coils, radiators, convectors, air handlers, heat pumps and radiant applications.

### Typical Zone Sentry Zone Valve Wiring:

![Typical Zone Sentry Zone Valve Wiring](image)

### Zone Sentry Dimensions: (FOR REFERENCE PURPOSES)

<table>
<thead>
<tr>
<th>Valve Size</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E (Sweat/Press)</th>
<th>E (Threaded)</th>
<th>F</th>
<th>G</th>
<th>H (3-way)</th>
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</thead>
<tbody>
<tr>
<td>1/2&quot;</td>
<td>3</td>
<td>76.2</td>
<td>2.375</td>
<td>60.3</td>
<td>4.125</td>
<td>104.7</td>
<td>3.06</td>
<td>77.72</td>
<td>3.125</td>
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<tr>
<td>3/4&quot;</td>
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<td>76.2</td>
<td>2.375</td>
<td>60.3</td>
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<tr>
<td>1&quot;</td>
<td>3</td>
<td>76.2</td>
<td>2.375</td>
<td>60.3</td>
<td>4.125</td>
<td>104.7</td>
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<tr>
<td>Inverted Flare</td>
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<td>2.375</td>
<td>60.3</td>
<td>3.5</td>
<td>99.1</td>
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</tr>
<tr>
<td>3/4&quot; Press Connect</td>
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<td>60.3</td>
<td>4.125</td>
<td>104.7</td>
<td>3.12</td>
<td>79.25</td>
<td>6.2***</td>
</tr>
</tbody>
</table>

* Includes inverted flare fitting  ** Less fittings  *** Press Dimension

Consult factory for additional model numbers.