# Resistance Temperature Detectors

## RTD Thermowells

### STYLE RW1
- Insertion Length
- ½” x ½” Closed Nipple Fitting

### STYLE RW2
- Insertion Length
- 3” Tol. ± ½”
- Black Pipe Nipple

### STYLE RW3
- Insertion Length
- 8” Tol. ± 1”
- Nipple, Union, Nipple - Black Pipe Schedule 40 Standard

## Part Number Sequence

<table>
<thead>
<tr>
<th>Code</th>
<th>RW3-AB-5302H4-K2D</th>
</tr>
</thead>
<tbody>
<tr>
<td>RW3</td>
<td>A B 5302H4 K2D</td>
</tr>
<tr>
<td>RW1, RW2, RW3</td>
<td>Table 1 Table 2 Table 3 Table 4 Table 5 Table 6 Table 7</td>
</tr>
</tbody>
</table>

## Table 1: Element Type

<table>
<thead>
<tr>
<th>Code</th>
<th>Element Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>100 ohm .00385 Curve Class B Platinum</td>
</tr>
<tr>
<td>B</td>
<td>100 ohm .00385 Curve Class A Platinum</td>
</tr>
<tr>
<td>D</td>
<td>500 ohm .00385 Curve Class B Platinum</td>
</tr>
<tr>
<td>E</td>
<td>1000 ohm .00385 Curve Class B Platinum</td>
</tr>
<tr>
<td>G</td>
<td>100 ohm .00392 Curve Class B Platinum</td>
</tr>
<tr>
<td>J</td>
<td>120 ohm .00672 Curve Nickel</td>
</tr>
<tr>
<td>K</td>
<td>604 ohm .00520 Curve Nickel Iron</td>
</tr>
</tbody>
</table>

## Table 2: Wiring Configuration

<table>
<thead>
<tr>
<th>Code</th>
<th>Configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Single, 2 Wire</td>
</tr>
<tr>
<td>B</td>
<td>Single, 3 Wire (Minimum sheath diameter .156”)</td>
</tr>
<tr>
<td>C</td>
<td>Single, 4 Wire (Minimum sheath diameter .188”)</td>
</tr>
<tr>
<td>D</td>
<td>Dual, 4 Wire (Minimum sheath diameter .188”)</td>
</tr>
<tr>
<td>E</td>
<td>Dual, 6 Wire (Minimum sheath diameter .250”)</td>
</tr>
</tbody>
</table>

## Table 3: Thermowell Number

See next page for Thermowell Code Numbers

## Table 4: Well Material

<table>
<thead>
<tr>
<th>Code</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>304 Stainless Steel</td>
</tr>
<tr>
<td>6</td>
<td>316 Stainless Steel</td>
</tr>
</tbody>
</table>

## Table 5: Process Connection Material

<table>
<thead>
<tr>
<th>Code</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>K</td>
<td>Black Pipe, Schedule 40</td>
</tr>
<tr>
<td>Y</td>
<td>Galvanized Pipe, Schedule 40</td>
</tr>
<tr>
<td>4</td>
<td>304 Stainless Steel</td>
</tr>
</tbody>
</table>

## Table 6: Spring Loaded Options

<table>
<thead>
<tr>
<th>Code</th>
<th>Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Fixed Fitting</td>
</tr>
<tr>
<td>2</td>
<td>Spring Loaded Fitting</td>
</tr>
</tbody>
</table>

## Table 7: Terminal Heads

<table>
<thead>
<tr>
<th>Code</th>
<th>Head</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>½” NPT Conduit, Aluminum Head</td>
</tr>
<tr>
<td>B</td>
<td>¾” NPT Conduit, Aluminum Head</td>
</tr>
<tr>
<td>C</td>
<td>½” NPT Conduit, Cast Iron Head</td>
</tr>
<tr>
<td>D</td>
<td>¾” NPT Conduit, Cast Iron Head</td>
</tr>
<tr>
<td>M</td>
<td>¼” NPT Conduit Connection, Miniature Plastic Head</td>
</tr>
<tr>
<td>P</td>
<td>½” NPT Conduit, Grey Delrin Head</td>
</tr>
<tr>
<td>R</td>
<td>¾” NPT Conduit, Grey Delrin Head</td>
</tr>
<tr>
<td>W</td>
<td>½” NPT Conduit, White Polypropylene Head</td>
</tr>
<tr>
<td>V</td>
<td>¾” NPT Conduit, White Polypropylene Head</td>
</tr>
<tr>
<td>Z</td>
<td>½” NPT Conduit, Explosion Proof Aluminum Head</td>
</tr>
<tr>
<td>Y</td>
<td>¾” NPT Conduit, Explosion Proof Aluminum Head</td>
</tr>
</tbody>
</table>