### INDUSTRIAL RTD'S

#### CONNECTION HEAD

<table>
<thead>
<tr>
<th>CODE</th>
<th>MATERIAL</th>
<th>TYPE</th>
<th>NEMA</th>
</tr>
</thead>
<tbody>
<tr>
<td>AN</td>
<td>ALUMINUM</td>
<td>WATER PROOF, CORROSION</td>
<td>4.4X</td>
</tr>
<tr>
<td>SN</td>
<td>STAINLESS STEEL</td>
<td>WATER PROOF, CORROSION</td>
<td>4.4X</td>
</tr>
<tr>
<td>AE</td>
<td>ALUMINUM</td>
<td>EXPLOSION PROOF (NOTE 2)</td>
<td>4</td>
</tr>
<tr>
<td>SE</td>
<td>STAINLESS STEEL</td>
<td>EXPLOSION PROOF, CORROSION RESISTANT (NOTE 2)</td>
<td>4.4X</td>
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<tr>
<td>XO</td>
<td>ALUMINUM</td>
<td>EXPLOSION PROOF, FM, CSA APPROVED (NOTES 2 &amp; 3)</td>
<td>4.4X</td>
</tr>
<tr>
<td>V</td>
<td>CAST IRON</td>
<td>WEATHER PROOF, RUGGED</td>
<td>4</td>
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<tr>
<td>L</td>
<td>POLYPROPYLENE</td>
<td>WEATHER PROOF, LIGHT</td>
<td>4</td>
</tr>
<tr>
<td>AX</td>
<td>ALUMINUM/LARGE DEVICE, EPOXY COATED</td>
<td>EXPLOSION PROOF, ATEX APPROVED (NOTE 3)</td>
<td>4</td>
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</tbody>
</table>

#### CONDUIT OPENING

- 1/2 or 3/4 NPT

#### TUBE OPENING

- 1/2
- 1/2 NPT

#### "A" LENGTH

- IN INCHES

#### STRUCTURE

- SINGLE (LEAVE BLANK)
- DUPLEX

#### SHEATH DIAMETER (STANDARD 316 STN. STL.)

- 3/16 (1/8)
- 1/4 (5/32)

#### ELEMENT TYPE (NOTE 4)

<table>
<thead>
<tr>
<th>CODE</th>
<th>STANDARD</th>
<th>MATERIAL</th>
<th>TCR</th>
<th>RESISTANCE @ 0°C</th>
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<tbody>
<tr>
<td>PT5</td>
<td>DIN 43760</td>
<td>PLATINUM</td>
<td>0.0085</td>
<td>100 OHMS (LEAVE BLANK)</td>
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<tr>
<td>PT1</td>
<td>DIN 43760</td>
<td>PLATINUM</td>
<td>0.0085</td>
<td>500 OHMS</td>
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<tr>
<td>PT11</td>
<td>DIN 43760</td>
<td>PLATINUM</td>
<td>0.0085</td>
<td>1000 OHMS (LT RANGE ONLY)</td>
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<tr>
<td>JS</td>
<td>316 STAINLESS STEEL</td>
<td>PLATINUM</td>
<td>0.00916</td>
<td>100 OHMS</td>
</tr>
<tr>
<td>SA</td>
<td>RC219-1966</td>
<td>PLATINUM</td>
<td>0.00923</td>
<td>90,129 OHMS</td>
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<tr>
<td>CU</td>
<td>COPPER</td>
<td>0.00427</td>
<td>10 OHMS (LT RANGE ONLY)</td>
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<tr>
<td>NI</td>
<td>NICKEL</td>
<td>0.00672</td>
<td>120 OHMS</td>
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</tbody>
</table>

#### TEMPERATURE RANGE

- LT: -58 to +65°F (-50 to +180°C)
- MT: -292 to +1322°F (-180 to +720°C)
- HT: -292 to +1322°F (-180 to +720°C) (NOTE 5)

#### CODE SYSTEM

- 2W: 2 WIRE (4 WIRE TOTAL WITH DUPLEX)
- 3W: 3 WIRE (LEAVE BLANK)
- 4W: 4 WIRE (4 TOTAL WITH DUPLEX)

#### ACCURACY

- ASTM E1137 CLASS B (LEAVE BLANK)
- ASTM E1137 CLASS A

### Notes:

   - Standard Unions - Black Malleable Iron, 150#
   - OPTIONAL STAINLESS STEEL
   - Nipples - 304 or 316 Stainless Steel, Schedule 40 or 80.
   - Unions - 304 or 316 Stainless Steel.
   - Example Ordering Code: 4AE 3/4 1/2 0R (T or R80).
2. (2) Rated NEC class 1, Group B, C and D.
3. ATEX approved Ex d IIC, T6.
4. Contact factory for other sheaths and element types.
5. Standard 316 single construction, 3 wire, class B, Inconel sheath material.
6. (6) For an item that does not fall within the catalog description an (SP) can be added to the ordering code as part of a custom construction.

#### EXAMPLE ORDERING CODE:

- AE: 4
- 2: 1
- 1: 4
- D: 1
- 14 PTS: LT
- 4W: CLA:
- 47 R: 2.25
- 12: 1.5
- 300 RF: (N) (FP)