INDUSTRIAL RTD'S

CODE | HEAD EXTENSION
--- | ---
2 | NIPPLE (NOTE 1)
4 | NIPPLE/UNION/NIPPLE (NOTE 1)

CODE | CONNECTION HEAD | TYPE | NEMA
--- | --- | --- | ---
AN | STAINLESS STEEL | WATER PROOF | 4.4X
SN | STAINLESS STEEL | EXPLOSION PROOF, CORROSION RESISTANT (NOTE 2) | 4
AE | ALUMINUM | EXPLOSION PROOF, CORROSION RESISTANT (NOTE 2) | 4
SE | ALUMINUM | EXPLOSION PROOF, FM, CSA APPROVED (NOTES 2 & 3) | 4
XD | CAST IRON | WEATHER PROOF, RUGGED | 4
A | POLYPROPYLENE | WEATHER PROOF, LIGHT WEIGHT | 4
L | ALUMINUM, LARGEST DEVICE, EPOXY COATED | EXPLOSION PROOF, ATEX APPROVED (NOTE 3) | 4
AX

CODE | CONDUIT OPENING | CODE | TUBE OPENING | CODE | "A" LENGTH
--- | --- | --- | --- | --- | ---
1/2 or 3/4 NPT | 1/2 | 1/2 NPT | IN INCHES

CODE | STRUCTURE
--- | ---
D | DUPLUX

CODE | SHEATH DIAMETER (STANDARD 316 STN. STL.) (NOTE 4)
--- | ---
316 | 3/16 (1.6)
14 | 1/16 (2.5)

CODE | ELEMENT TYPE (NOTE 4)
--- | ---
PT5 | DIN 43760 PLATINUM .0085 100 OHMS (LEAVE BLANK)
PT1 | DIN 43760 PLATINUM .0085 50 OHMS
JIS | BS-C-1504-81 PLATINUM .0085 100 OHMS (LT RANGE ONLY)
SA | RC211-1956 PLATINUM .0085 90-129 OHMS
CU | COPPER .0047 10 OHMS (LT RANGE ONLY)
NI | NICKEL .0072 120 OHMS

CODE | TEMPERATURE RANGE
--- | ---
LT | -56 to -60°F (-50 to -20°C)
MT | -56 to -60°F (-50 to -20°C)
HT | -292 to -392°F (-180 to -200°C)

CODE | SYSTEM
--- | ---
2W | 2 WIRE (4 WIRE TOTAL WITH DUPLUX)
4W | 4 WIRE (8 WIRE TOTAL WITH DUPLUX)

CODE | ACCURACY
--- | ---
ASTM E1137 CLASS B (LEAVE BLANK)
CLA | ASTM E1137 CLASS A

CODE | WELD TYPE
--- | ---
1/2 | 3/4" .500 .750 .260 1.13
1/2" | 3/4" .500 .750 .260 1.13

CODE | WELD MATERIAL
--- | ---
P | 304 STAINLESS STEEL
B | BRASS
R | 316 STAINLESS STEEL
PL/WR | 304/316 S.S. (LOW CARBON)
N | CARBON STEEL

CODE | "F" LENGTH
--- | ---
IN INCHES (1.75" STD.)

CODE | "U" LENGTH
--- | ---
IN INCHES

Notes:
   Standard Unions - Black Malleable Iron, 150#.
2. 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 R/B or R80).
3. Rated NEC class 1, Groups B, C and D.
4. ATEX approved EEx d IIC T5.
5. Contact factory for other sheaths and element types.
7. 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: 4 AE 3/4 - 1/2 - 4 - D 14 PTS LT 4W CLA - 142 R 1.75 - B

SECTION INRD

DRILLED THREADED WELL ASSEMBLIES
STEPDOWN SHANK CONSTRUCTION
3/4 & 1" NPT PROCESS CONNECTIONS

TEMPERATURE MEASUREMENT DESIGNER’S GUIDE
WWW.THERMO-ELECTRIC-DIRECT.COM

Doc. No.: TE-CO010109-INRD-040

The information contained herein shall be considered the sole property of Thermo Electric Company, Inc. The recipient thereof agrees not to disclose or reproduce said information to parties outside the recipient's organization without the written permission of Thermo Electric.