INDUSTRIAL RTD’S

CODE |
A |
2 |
NIPPLE (NOTE 1)

B |
CODE |
A |
AN |
STAINLESS STEEL |
WATER PROOF |
N |
AE |
ALUMINUM |
EXPLOSION PROOF (NOTE 2) |
E |
SE |
STAINLESS STEEL |
EXPLOSION PROOF, CORROSION RESISTANT (NOTE 2) |
D |
XD |
ALUMINUM |
EXPLOSION PROOF, FM, CSA APPROVED (NOTES 2 & 3) |
C |
A |
CAST IRON |
WEATHER PROOF, RUGGED |
Ax |
POLYPROPYLENE |
WEATHER PROOF, LIGHT WEIGHT |

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

CODE |
F |
STRUCTURE |
SINGLE (LEAVE BLANK) |
D |
DUPLEX |

CODE |
G |
SHEATH DIAMETER (STANDARD 316 STN. STL.) (NOTE 4) |
316 |
3/16" (.188)

CODE |
H |
ELEMENT TYPE (NOTE 4) |
PT5 |
DIN 43760 |
PLATINUM |
.00085 |
100 OHMS (LEAVE BLANK) |
PT1 |
DIN 43760 |
PLATINUM |
.00085 |
500 OHMS |
JBS |
JS-C-1004-81 |
PLATINUM |
.000816 |
100 OHMS |
SA |
RC214-1956 |
PLATINUM |
.003923 |
98.129 OHMS |
CU |
COPPER |
.00427 |
10 OHMS (LT RANGE ONLY) |
NI |
NICKEL |
.00672 |
120 OHMS |

CODE |
J |
TEMPERATURE RANGE |
LT |
-56 to +500° F (-50 to +260° C) |
MT |
-56 to +900° F (+100 to +480° C) |
HT |
-292 to +1322° F (-180 to +700° C) |

CODE |
K |
SYSTEM |
2W |
2 WIRE (4 WIRE TOTAL WITH DUPLEX) |
4W |
4 WIRE (8 WIRE TOTAL WITH DUPLEX) |

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

CODE |
M |
WELL TYPE |
OD-1 |
.750 |
.875 |
.88 |
2.88 |
1.315 |
OD-2 |
.750 |
.875 |
.88 |
2.88 |
1.315 |

CODE |
N |
WELL MATERIAL |
P |
304 STAINLESS STEEL |
Q |
316 STAINLESS STEEL |
R |
316 STAINLESS STEEL |
PlaD |
304/316 B, S, L (LOW CARBON) |
N |
CARBON STEEL |
J |
INCONEL 600 |
H |
HASTELLOY C276 |

CODE |
O |
"F" LENGTH |
IN INCHES (2.25 STD.) |

CODE |
O |
"U" LENGTH |
IN INCHES |

Notes:
2. Standard Unions - Black Malleable Iron, 150#.
3. Optional Stainless Steel Nipples - 304 or 316 Stainless Steel, Schedule 40 or 80.
4. Unions - 304 or 316 Stainless Steel.
5. Example Ordering Code: 4AE 3/4 1/2 8(R or 80). (Rated NEC class 1, Groups B, C and D, ATEX approved EEx d1ICEx T6.)
6. Contact factory for other sheaths and element types.
7. Standard in single construction, 3 wire, class B, Inconel sheath material.
8. 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 PT5 LT 4W CLA — 44 R 2.25 — 10

SECTION INRD

DRILLED VAN STONE WELL ASSEMBLIES
TAPERED CONSTRUCTION
1" & 1 1/2" FLANGE CONNECTION

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

Doc. No.: TE-CO010109-INRD-100

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CONDUIT OPENING
3/8" NPT TUBE OPENING
"A" LENGTH
(2.25 min.)
"F" LENGTH
3/16" FLANGE FACE DIA.
"U" LENGTH
CENTER LINE .25 ID
WELL TYPE
"P" LENGTH
.38 PROCESS FLANGE
3/4" ID
BACKING FLANGE
SUPPLIED ON REQUEST
1/2"NPT TUBE OPENING
NECK DIAMETER
OD-2
OD-1
A B C D E F G H J K L M N P Q