

**Cast Aluminum Epoxy Coated Instrument Connection**

**Optional Thermowell**

**Conduit Connection**

**\*\*Cenelec Approved**

**See Part Number For Terminal Block**

**When attaching thermowells to assemblies on this page please refer to the ALLTEMP SENSORS "Thermowell Catalogue"**

**Model AE**  
 NPT NPT  
 A (Installed Length)  
 (A=Thermowell Stem Length)  
 (Includes Approx. 0.5" Spring Loading)  
 .35" for 1/2" NPT  
 .45" for 3/4" NPT  
 nipple

**Model AF**  
 NPT NPT  
 A (Installed Length)  
 (A=Thermowell Stem Length)  
 (Includes Approx. 0.5" Spring Loading)  
 .35" for 1/2" NPT  
 .45" for 3/4" NPT  
 nipple-union-nipple

**Model AG**  
 1" A  
 fixed bushing  
 NPT NPT  
 Fillet Weld

**Model AK**  
 1" A (Installed Length)  
 (A=Thermowell Stem Length)  
 (Includes Approx. 0.5" Spring Loading)  
 spring-loaded bushing  
 .35" for 1/2" NPT  
 .45" for 3/4" NPT

**Model AI**  
 N A  
 remote-mount  
 NPT

**Certified with a thermowell**  
 NRTL/C  
 Class I Division I Groups BCD  
 Class II Division I Groups EFG  
 Class III; Encl. Type 4X

**Certified without a thermowell**  
 NRTL/C  
 Class I Division I Groups BCD  
 Class II Division I Groups EFG  
 Class III; Encl. Type 4X

**Certified with a thermowell**  
 NRTL/C  
 Class I Division I Groups BCD  
 Class II Division I Groups EFG  
 Class III; Encl. Type 4X

**Certified without a thermowell**  
 NRTL/C  
 Class I Division II Groups BCD  
 Encl. Type 4X

**\*\*Cenelec Approved Explosion-Proof Enclosure.**

**Ordering Code**

Model (see above) - 7 - Instrument Connection - Terminal Block (See Page D17a) - RTD Type - Number of Lead Wires: 2, 3, 4A, 4B - Temperature Rating - 'A'-length (inches) - 'N'-length (inches)

**Instrument Connection**  
 1/2" NPT = 1  
 3/4" NPT = 3

**Conduit Connection**  
 1/2" NPT = 1  
 3/4" NPT = 3

**RTD Type**  
 a=0.00385, 100 ohm Pt (1/10 DIN) = 1  
 a=0.00385, 100 ohm Pt (Class A) = 2  
 a=0.00392, 100 ohm Pt = 3  
 a=0.00427, 10 ohm Cu = 4  
 a=0.00672, 120 ohm Ni = 5

**RTD Diameter**  
 14 = 1/4"  
 18 = 1/8"  
 21 = 0.215"  
 36 = 3/16"  
 6M = 6mm

**Temperature Rating**  
 LT = low temperature max. 200°C  
 HT = high temperature max. 450°C  
 UT = ultra high temperature max. 600°C and high vibration

**Number of Lead Wires: 2, 3, 4A, 4B**

2-Wire 3-Wire 4-Wire, type A 4-Wire, type B

**Optional Thermowell Part No.**

**Sample Order Code: AE-7113-T04-2-14-3-LT-6-12**

**D16**