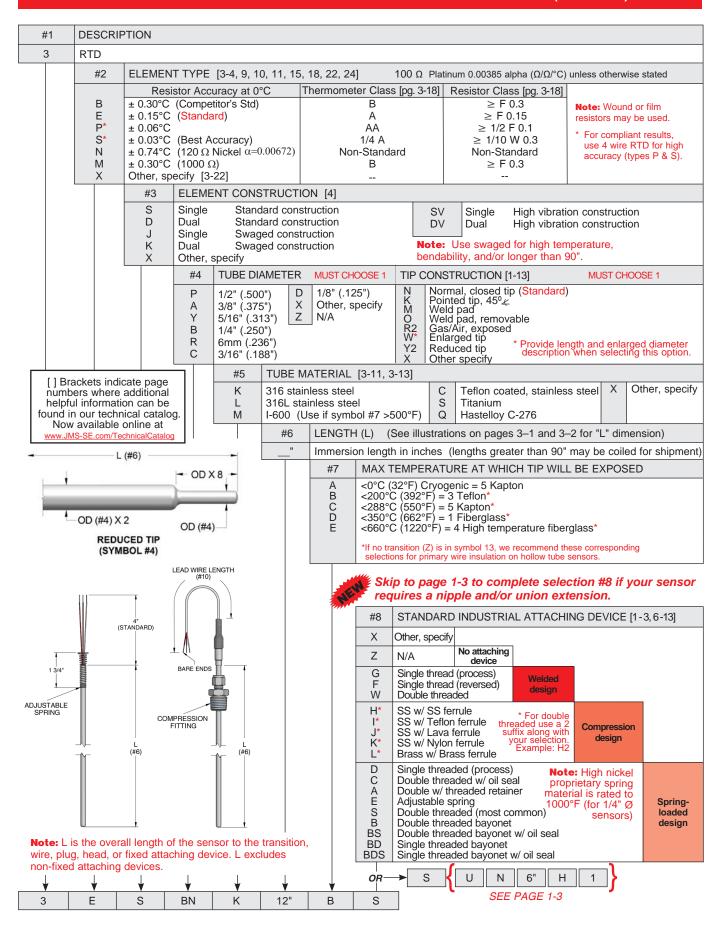
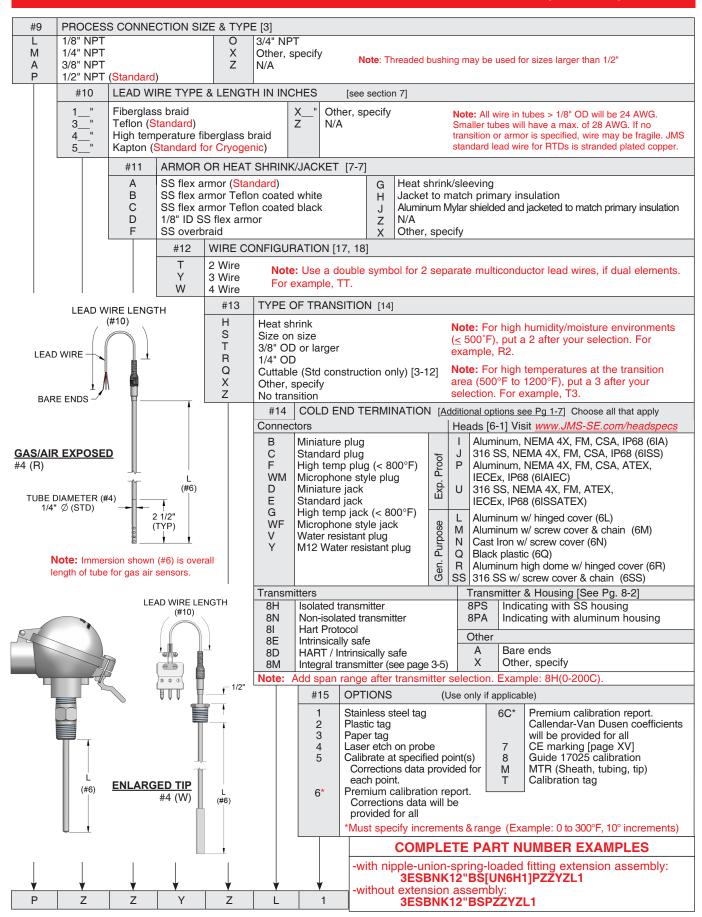
# RESISTANCE TEMPERATURE DEVICES (RTDS)



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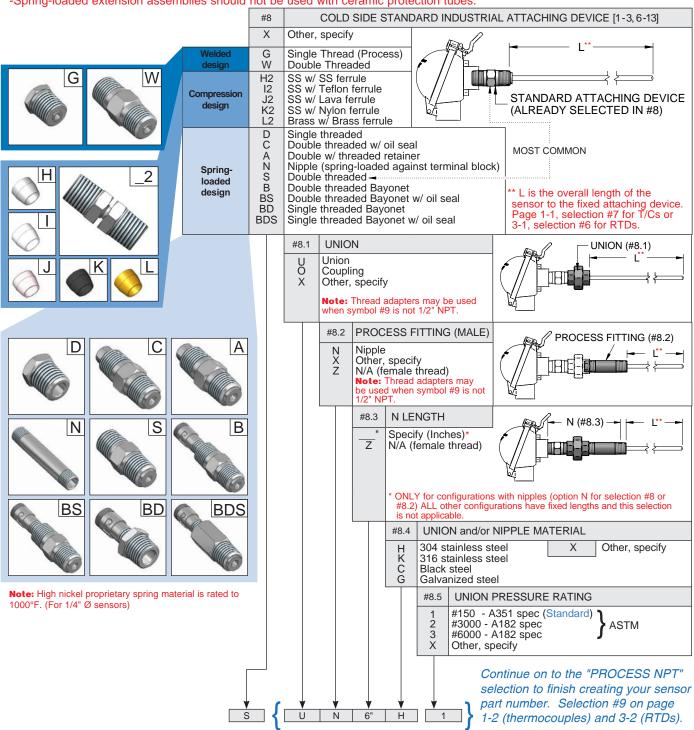
### CUSTOM NIPPLE/UNION EXTENSION CONFIGURATOR

An extension assembly provides extra length extending the sensor head past insulation and away from heat. Standard unions are 1/2" FNPT on both ends. The union joins two nipples in an extension assembly and has a standard pressure rating of 150 PSIG.

When a nipple-union-nipple assembly is selected and spring-loading of the thermocouple element is required, there are two different methods of spring-loading the sensor. JMS's standard, recommended method is to use the machined 1/2" x 1/2" NPT spring-loaded stainless steel fitting as one of the nipples. With this design, the probe is secured within the fitting and mounted to the head in a rigid manner instead of spring-loading against a terminal block, as is the case with a standard nipple-union-nipple. Due to stress exerted by spring, selection #8, option N "nipple" should never be used with an in-head transmitter. Any of the other options within option #8 are compatible with in-head transmitters.

#### Notes:

- -The standard JMS spring designed specifically for a 1/4" OD sensor is made of high nickel proprietary spring wire which allows users to successfully maintain 1/2" of spring-loading even up to 1000°F.
- -Spring-loaded extension assemblies should not be used with ceramic protection tubes.



# ADDITIONAL TERMINATIONS

001.0.5	ND TERMINATION 1955	05051011.01	01		/ 11.40	Oranda a contra a con
	ND TERMINATION [SEE	SECTION 6]	Choose as many as	s applicable	(JIMS	S part number prefixes are shown in parenthesis)
Connecto						lasko
B BH C F WM WA WC WE WH WJ WL V Y WQ WS	Plugs Miniature plug (6A1B) Miniature high temperature plug (6A2B) <800°F Standard plug (6A1C) Standard high temperature plug (6A2C) <800°F Microphone style plug (6DA) Solid pin plug, heavy duty (6A3C) Jab in plug (6A4C) Ultra high temperature plug, unglazed (6A7C) <1200°F UNI-IEC microphone plug (6DB) Molded/water resistant plug (6DC) M12 Male connector (6DY) Miniature locking plug (6A8C2)  Explosion Proof Aluminum, NEMA 4X, FM, CSA, IP68 (6IA)					
J	316 stainless steel, NEMA 4X, FM, CSA, IP68 (6ISS)					
P U	Aluminum, NEMA 4X, FM, CSA, ATEX, IECEx, IP68 (6IAIEC) 316 stainless steel, NEMA 4X, ATEX, IP68 (6ISSATEX)					
SI	Cast Iron, NEMA 3, 4, UL, CSA (6I)					
GA	Aluminum, screw cover w/ indicating window, NEMA 4X, ATEX, IECEx, FM, CSA, IP68 (688A1)					
GS	316SS, screw cover w/ indicating window, NEMA 4X, ATEX, IECEx, FM, CSA, IP68 (688S1)					
L M R N Q SS WP SBD SC ST SU	General Purpose Aluminum w/ hinged cover (6L) Aluminum w/ screw cover & chain (6M) Aluminum w/ hinged high dome cover (6R) Cast Iron w/ screw cover (6N) Black plastic (6Q) 316 stainless steel w/ screw cover & chain (6SS) White plastic, screw cover, Sanitary (6WP) Nickel plated, cylinder style, 1/4" NPT (6S250) Nickel plated, cylinder style, 1/8" NPT (6S125) Stainless steel, socket cap style Molded plastic, mini head, 1/4" NPT, < 350F (6T) Molded plastic, mini head, 1/4" NPT, < 800F (6U)  * L is the overall length of the sensor to the base of the head when no attaching device is selected. Page 1-1, selection #7 for T/Cs or 3-1, selection #6 for RTDs.					
Transmitters [ 8-1 to 8-3 ]  Notes:  Notes:  - Add sparriange after transmitter selection. Example, or (0-2000).  - Transmitter output = 4 - 20 mA. (See section 8 for other options).						
H8	Isolated transmitter	8PA				K, ATEX/IECEx, FM/CSA, Aluminum, threaded cap with mable [ 8-2 ]
8N 8I	Non-isolated transmitter   glass viewing window, touch programmable [ 8-2 ] Hart Protocol   8PS   Explosion proof, IP66/IP68, NEMA 4X, ATEX/IECEx, FM/CSA, 316 SS, threaded cap with					
8E	Intrinsically safe glass viewing window, touch programmable [ 8-2 ]					
8D	Hart/Intrinsically safe					
8M Other						
	Para ands					
A K RL O OA OB	Bare ends Spade lugs (6SL) Ring lugs (6RL) Open ceramic terminal block, brass screw terminal (6B) Open Bakelite terminal block, nickel plated screw terminal (6BB) Open ceramic terminal block for sensors with bayonet style connection, brass screw terminal (6B or 6C) Ceramic terminal block, brass screw terminal (6G)					
OP	Pluggable polymide terminal block, nickel plated screw terminal (6PT) * L is the overall length of the sensor to the base of the					
OS	Open ceramic terminal block, nickel plated solder terminal (6C) terminal block mounting plate when open terminal block					
	Conduit hyphing 3/" NDT male V 1/" NDT female, ploted steel (CDD)					
X	Other specify					
	TOT KIDS.					
CG TB	Cord connector/grip, aluminum 1/2" NPT (6CC) Conduit bushing, 3/" NPT male X 1/2" NPT female, plated steel (6IRB)  cold end termination is selected without a fixed attaching cold end termination is selected without a fixed attaching device. Page 1-1 selection #7 for T/Cs or 3-1 selection #					

## RTD WITH INTEGRAL PC PROGRAMMABLE TRANSMITTER

### RTD with 4-20 mA INTEGRAL OUTPUT (RTD in, 4-20 mA out)

INDUSTRIAL STYLE INTEGRAL TRANSMITTER (Transmitter option see page 3-2, #14, 8M)

BROWN

(RED)

**DUAL TC WITHOUT** 

TRANSMITTER

BLACK

(RED)

[NON ASTM/IEC COLOR CODE]

3 WIRE RTD WITHOUT

TRANSMITTER

WHITE

(WHITE)

### **FEATURES**:

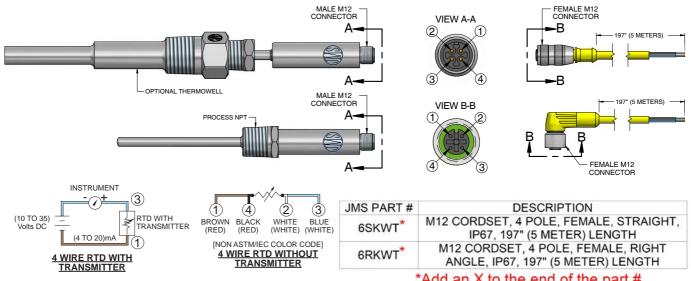
• PC programmable

SINGLE TC WITHOUT

TRANSMITTER

- Carry a 4-20 mA to your PLC directly from the RTD with no special equipment.
- Available in fixed immersion and spring loaded for thermowells!!
- Quick-n-Clean M12 connection for easy replacement.
- NEMA 6P (IP67) rated with M12 connector.
- Ideal for most applications from -60 to 320°F.
- Ambient temperature limits -40 to 185°F.





\*Add an X to the end of the part # to specify a custom cord length.