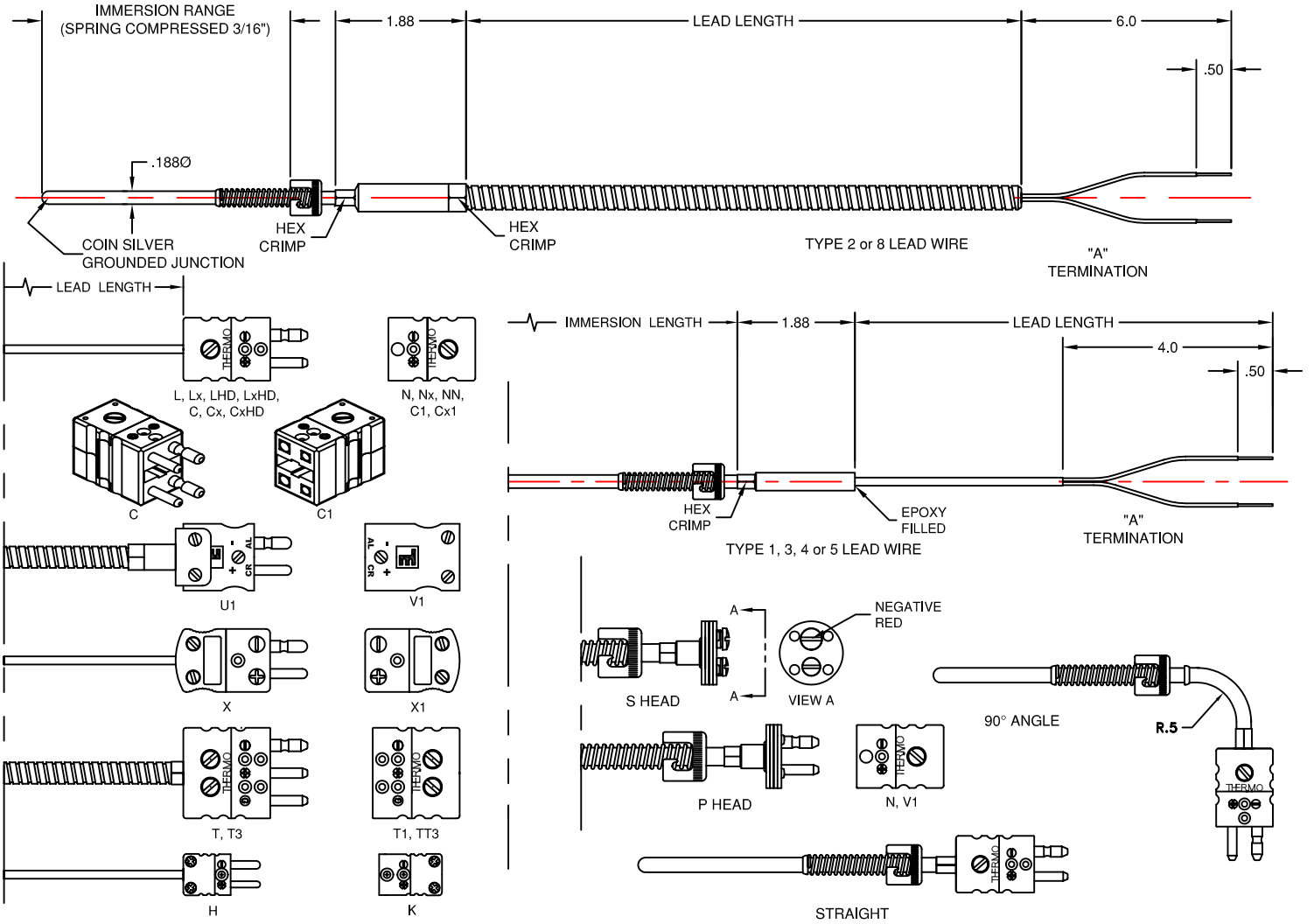
SURFACE MOUNT THERMOCOUPLES & RTD'S



CODE		CALIBRATION
STD.	SPECIAL (NOTE 1)	
J	JJ	IRON(+) vs CONSTANTAN(-)
K	KK	CHROMEL(+) vs ALUMEL(-)
T	TT	COPPER(+) vs CONSTANTAN(-)
E	EE	CHROMEL(+) vs CONSTANTAN(-)
N	NN	NICROSIL(+) vs NISIL(-)
	KKS	CHROMEL(+) vs ALUMEL(-) (NOTE 2)
	EES	CHROMEL(+) vs CONSTANTAN(-) (NOTE 2)

CODE	SHEATH DIAMETER		
	FRACTION	DECIMAL	METRIC
116	1/16"	.063	1.6mm
18	1/8"	.125	3.2mm
316	3/16"	.187	4.8mm

CODE	MEASURING JUNCTION
G	GROUNDED
U	UNGROUNDED
DG	DUPLEX GROUNDED
DU	DUPLEX UNGROUNDED

CODE	SHEATH MATERIAL	
	MATERIAL	STD. CALIBRATIONS (NOTE 4)
304	304 STN. STL.	J, K, T
316	316 STN. STL.	J, K, T, E, N
310	310 STN. STL.	J, K, E
I600	INCONEL 600	K, N, KKS(NOTE 2), EES(NOTE 2)

ORDERING CODE

J	316	G	–	316	–	BAY90	–	4-4 5/8	–	36	–	1	L	/	N

Notes:
(1) Meets or exceeds Special Initial Calibration Tolerances per ANSI MC96.1-1982 and ASTM E230-1993
(2) Denotes Stabilized thermocouples.
(3) Omit mating connector if not ordered. Mating connector can be attached to the sheath.
(4) Available with spade lugs, replace "A" with "LG".
(5) Not available on lead wire.
(6) Only available on lead wire.

CODE	MOUNTING POSITION
BAY	STRAIGHT
BAY45	45° ANGLE
BAY90	90° ANGLE

CODE	RANGE
1 1/8 - 1 3/4	1-1/8" to 1-3/4"
1 1/2 - 2 1/8	1-1/2" to 2-1/8"
2 - 2 5/8	2" to 2-5/8"
2 1/2 - 3 1/8	2-1/2" to 3-1/8"
3 - 3 5/8	3" to 3-5/8"
3 1/2 - 4 1/8	3-1/2" to 4-1/8"
4 - 4 5/8	4" to 4-5/8"
4 1/2 - 5 1/8	4-1/2" to 5-1/8"
5 - 5 5/8	5" to 5-5/8"
5 1/2 - 6 1/8	5-1/2" to 6-1/8"
6 - 6 5/8	6" to 6-5/8"
6 1/2 - 7 1/8	6-1/2" to 7-1/8"
7 - 7 5/8	7" to 7-5/8"
7 1/2 - 8 1/8	7-1/2" to 8-1/8"
8 - 8 5/8	8" to 8-5/8"

CODE	LEAD LENGTH (IN INCHES) OMIT IF LEAD WIRE 0

CODE	LEAD TYPE (20 Ga STANDARD)
0	NO LEAD WIRE
1	FIBERGLASS INSULATION & JACKETED
2	FIBERGLASS, ARMOR OVERALL
3	CODE 1 WITH STN. STL. OVERBRAID
4	PVC, INSULATION & JACKETED
5	TEFLON(FEP) INSULATION & JACKETED
8	PVC INSULATION, ARMOR OVERALL

CODE	TERMINATION	MATING CONN. (NOTE 3)	
		CODE	TEMPERATURE LIMIT
A	BARE ENDS (NOTE 4)		
L	STANDARD SIZE PLUG	N	390°F(200°C)
LHD	STANDARD SIZE SOLID PIN PLUG	N	390°F(200°C)
Lx	EXTENDED LIMITS PLUG	Nx	660°F(320°C)
LxHD	EXTENDED LIMITS SOLID PIN PLUG	Nx	660°F(320°C)
U1	IMPACT RESISTANT PHENOLIC PLUG	V1	300°F(150°C)
X	ULTRA-TEMP PLUG	X1	1000°F(538°C)
T	THREE PIN PLUG	T1	390°F(200°C)
S	COOLANT HEAD (NOTE 5)		350°F(177°C)
P	COOLANT PLUG (NOTE 5)	N, V1	350°F(177°C)
C	STANDARD SIZE DUPLEX PLUG	C1	390°F(200°C)
Cx	EXTENDED LIMITS DUPLEX PLUG	Cx1	660°F(320°C)
CxHD	EXT. LIMITS SOLID PIN DUPLEX PLUG	Cx1	660°F(320°C)
T3	THREE PIN DUPLEX PLUG	TT3	390°F(200°C)
LL	TWO STANDARD SIZE 2-PIN PLUGS (NOTE 6)	NN	390°F(200°C)

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.

THERMO ELECTRIC

TEMPERATURE MEASUREMENT DESIGNER'S GUIDE
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SECTION SUTR

HIGH TEMPERATURE
BAYONET THERMOCOUPLES

Doc. No.: TE-CO010109-SUTR-050