

Thermocouple Assemblies Straight Type Closed & Open End, Metal Protecting Tube

Model Selection Guide

Specification: S001-15

Instructions

- Select the Key Number desired. The arrow to the right marks the selections available.
 - Make one selection each from Tables I, II and III using the column below the proper arrow. Select Table V Options if desired.
 - A dot denotes unrestricted availability. A letter denotes restricted availability. Restrictions follow Table V.
 - A complete Model Number must have the designated number of digits in each table.
- Key Numbers I II III IV V (Optional)
- 001D10 - B24 - 1 - F21 - 0 - B6 Example

KEY NUMBER				Selection	Availability								
Type	Calibration Type	Wire Size	Max. Temperature										
Closed End	T	20 gage	500°F (260°C)	001D10	↓								
	J	20 gage	900°F (482°C)	003D10		↓							
		14 gage	1100°F (593°C)	003B10			↓						
		8 gage	1400°F (760°C)	003A10				↓					
	K	14 gage	2000°F (1093°C)	005B10					↓				
8 gage		2300°F (1260°C)	005A10						↓				
Open End	J	20 gage	900°F (482°C)	003D43								↓	
		14 gage	1100°F (593°C)	003B43									↓
	K	14 gage	2000°F (1093°C)	005B43									↓

TABLE I - PROTECTING TUBE

Maximum Temperature		Material	Diameter				Maximum Length										
°F	°C		Inside		Outside		In.	cm									
			In.	mm	In.	mm											
1000	538	Carbon Steel	.364	9,3	.540	13,7	60	152	B __			•	•	•	•	•	•
			.622	15,8	.840	21,3	60	152	W __	•	•	•	•	•	•	•	•
1800	982	Stainless Steel 304	.364	9,3	.540	13,7	60	152	S __	•	•	•	•	•	•	•	•
2200	1204	Inconel	.622	15,8	.840	21,3	60	152	M __	•	•	•	•	•	•	•	•

↑

Fill in blank with protecting tube length in 6" (152 mm) increments.
Minimum 12 inches (305 mm) maximum as specified.

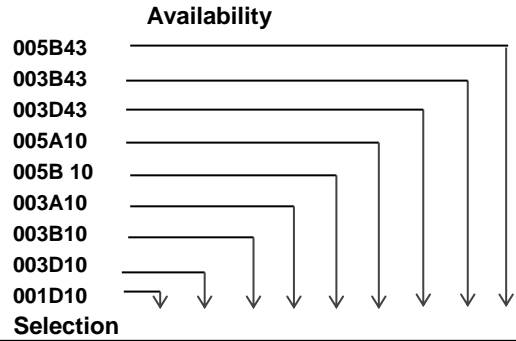


TABLE II - HEAD AND ELEMENT

Elements	Head Type	Conduit Outlet Size-Inches											
Single	Screw	1/2 NPT	3	•	•	•	•	•	•	•	•	•	•
		3/4 NPT	4	•	•	•	•	•	•	•	•	•	•
Duplex	Screw	3/4 NPT	2	•	•	•	•	•	•	•	•	•	•

TABLE III - MOUNTING AND INSULATION

No Selection			000	•	•	•	•	•	•	•	•	•	•
Bushing Material	Thread Size - Inches												
Steel	3/8 NPT (Fits .405 tubes only)		C __	f	f					f			
	1/2 NPT (Fits .405, .540 tubes)		D __	g	g	g		g		g	g	g	
	3/4 NPT (Fits .405, .540 tubes)		F __	g	g	g		g		g	g	g	
	1.0 NPT (Fits .540, .75, .840 tubes)		H __				k		k				
Stainless Steel	3/4 NPT		G __	g	g	g	g	g	g	g	g	g	g

↑
 Fill in blank with desired length in inches.
 Minimum: 6" (152 mm). Maximum: tube length
 from Table I less 3" (76 mm). Single digit
 always preceded by "0"; e.g. 9" = 09.

TABLE IV

No Selection	0	•	•	•	•	•	•	•	•	•	•	•	•
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TABLE V - OPTIONS

Premium Grade Wire - Single Element	B6	•	•	•	•	•	•	•	•	•	•	•	•
Insulated Hot Junction - Single Element	B2	•	•	•	•	•	•	•	•	•	•	•	•

RESTRICTIONS

Restriction		Available Only With	Not Available With	
Letter	Table	Selection	Table	Selection
f	I	B		
g	I	B, S		
k			I	B, S