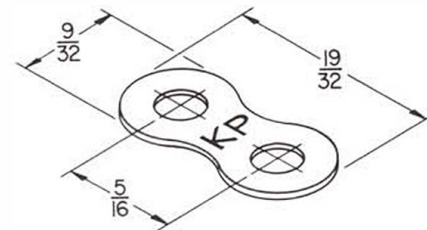
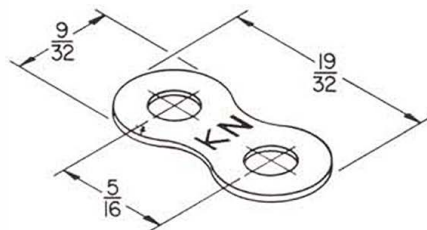


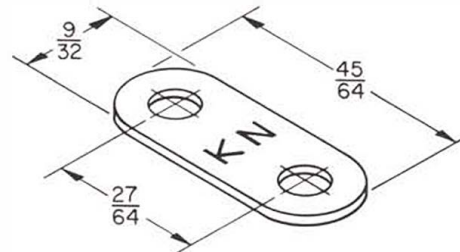
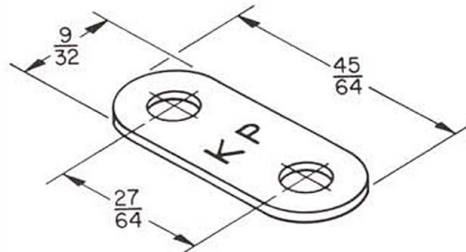
Each lug has stamped-in designation of thermocouple type and polarity
e.g. JP = Type J positive
JN = Type J negative
(Exception "CU" uncompensated is not designated)



PART NO.	PRICE-SET	HOLE SPACING	FITS CINCH NO.
2140 - (*)		5/16	140

(*) Specify type J,K,T,E,R,S,CU,N

Each lug has stamped-in designation of thermocouple type and polarity
e.g. JP = Type J positive
JN = Type J negative
(Exception "CU" uncompensated is not designated)

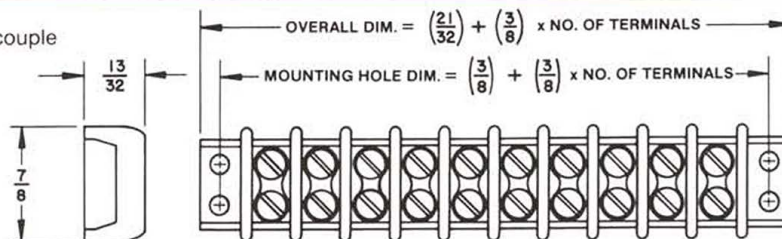


PART NO.	PRICE-SET	HOLE SPACING	FITS CINCH NO.
2141 - (*)		27/64	141

(*) Specify type J,K,T,E,R,S,CU,N

TERMINAL LUGS WITH BARRIER STRIP

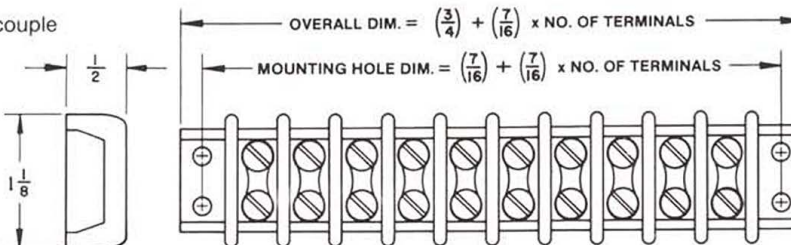
- 20 Terminals/10 Thermocouple Circuits max per strip
- Molded of bakelite
- Strips are shipped fully assembled with terminal lugs mounted
- 5-40 B.H.D. Screws
- Cinch No. 140
- Hole Spacing 5/16"



PART NO.	PRICE-CIRCUIT
BS-2140-(*)-()	

(*) Specify type J,K,T,E,R,S,CU,N
() Specify number of thermocouple circuits

- 20 Terminals/10 Thermocouple Circuits max per strip
- Molded of bakelite
- Strips are shipped fully assembled with terminal lugs mounted
- 6-32 B.H.D. Screws
- Cinch No. 141
- Hole Spacing 27/64"



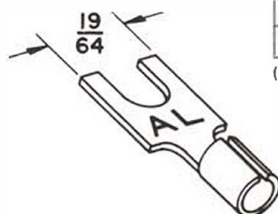
PART NO.	PRICE-CIRCUIT
BS-2141-(*)-()	

(*) Specify type J,K,T,E,R,S,CU,N
() Specify number of thermocouple circuits

TERMINAL SPADE LUGS

Each spade lug has stamped-in designation of thermocouple alloy type.

- e.g. CH = CHROMEL
AL = ALUMEL
IR = IRON
CO = CONSTANTAN
CP = COPPER
II = ALLOY II
NP = NICROSIL
NN = NISIL



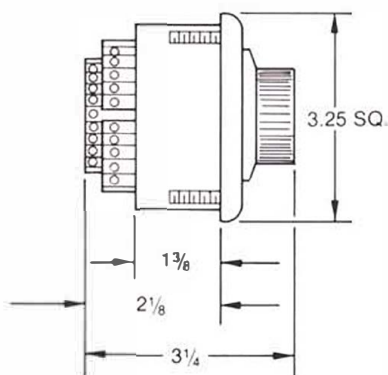
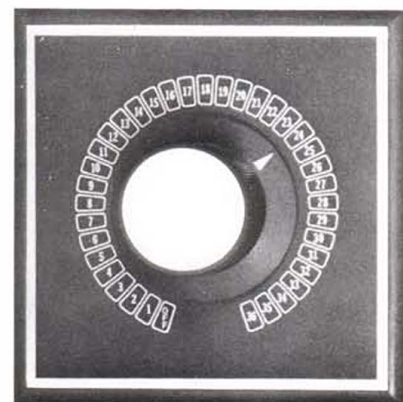
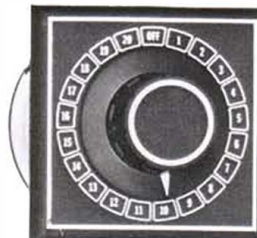
PART NO.	PRICE - EACH
SL-2141-(*)	

(*) Specify thermocouple alloy

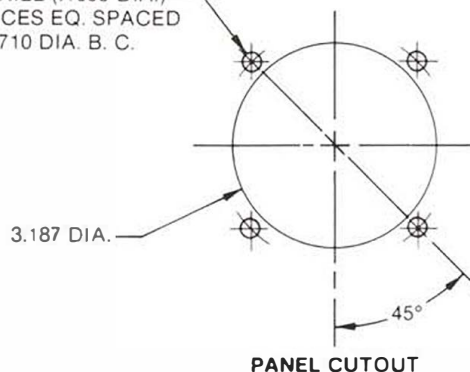
Fits 6-32 (CINCH-141) Terminal Screws. Accepts up to 18 ga. wire for crimp connection.

Dynatherm[®]

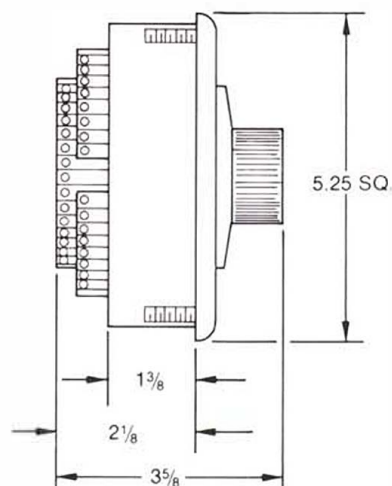
- Available in 2 to 40 positions
- 2 Pole and 3 Pole circuits with "OFF" position
- Silver plated blades and contacts with self-cleaning wiper action and low contact resistance
- Terminals are silver plated brass numbered circuits with polarity identification
- "OFF" position has terminals available for shorting input circuit when using it with a digital meter (Not available on 3-Pole)
- High impact GE Noryl™ case
- Break before make SW3-2 through SW3-10
- Make before break SW3-12 through SW5-40 and SWT-6 through SWT-36
- Pistol grip knob is available (suffix PG)



#18 DRILL (.1695 DIA.)
4 PLACES EQ. SPACED
ON 3.710 DIA. B. C.

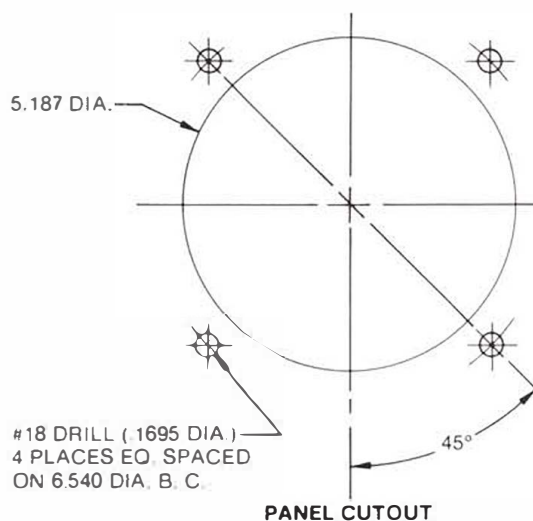


NO. POS.		CODE NO.
2	2 Pole	SW3-2
3		SW3-3
4		SW3-4
5		SW3-5
6		SW3-6
8		SW3-8
10		SW3-10
12		SW3-12
14		SW3-14
16		SW3-16
18		SW3-18
20		SW3-20

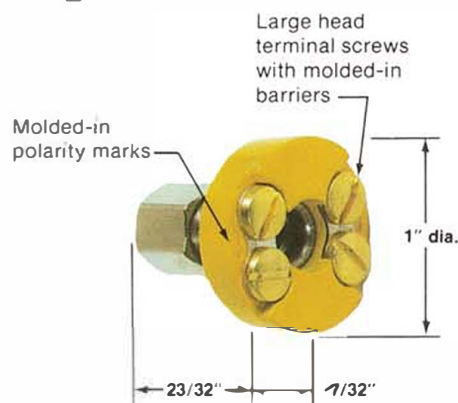


5.187 DIA.

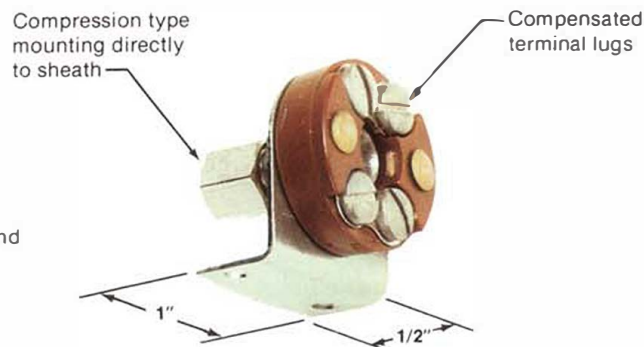
#18 DRILL (.1695 DIA.)
4 PLACES EQ. SPACED
ON 6.540 DIA. B. C.



NO. POS.		CODE NO.
24		SW5-24
28		SW5-28
30		SW5-30
32		SW5-32
36		SW5-36
40		SW5-40
6		SWT-6
12		SWT-12
18		SWT-18
24		SWT-24
28		SWT-28
32		SWT-32
36		SWT-36



- Body of molded thermo-set compound (will not melt)
- Color coded
- Hi-Temp available to 800° F



SINGLE CIRCUIT

MICRO HEAD	
CODE NO.	PRICE EACH
2010-(*)-() ¹	

HI-TEMP MICRO HEAD	
CODE NO.	PRICE EACH
2110-(*)-() ¹	

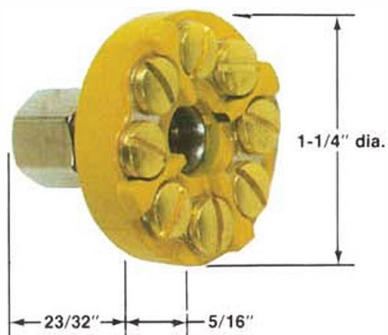
*Specify type J,K,T,E,R,S,C,U,N
1-Specify sheath size 1/16, 1/8, 3/16, 1/4

SINGLE CIRCUIT WITH BRACKET

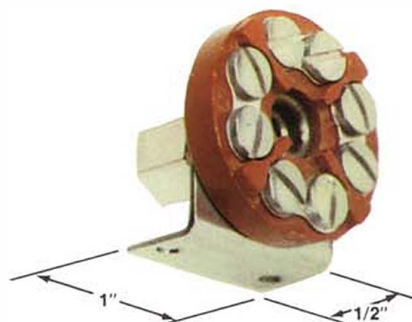
MICRO HEAD w/MTG. BKT.	
CODE NO.	PRICE EACH
2011-(*)-() ¹	

HI-TEMP MICRO HEAD w/MTG. BKT.	
CODE NO.	PRICE EACH
2111-(*)-() ¹	

*Specify type J,K,T,E,R,S,C,U,N
1-Specify sheath size 1/16, 1/8, 3/16, 1/4



Same features as the single circuit with molded-in circuit designators A+, A-, B+, B-



DUAL CIRCUIT

DUAL CIRCUIT MICRO HEAD	
CODE NO.	PRICE EACH ¹
2210-(*)-() ¹	

HI-TEMP DUAL MICRO HEAD	
CODE NO.	PRICE EACH
2310-(*)-() ¹	

*Specify type J,K,T,E,R,S,C,U,N
1-Specify sheath size 1/16, 1/8, 3/16, 1/4

DUAL CIRCUIT WITH BRACKET

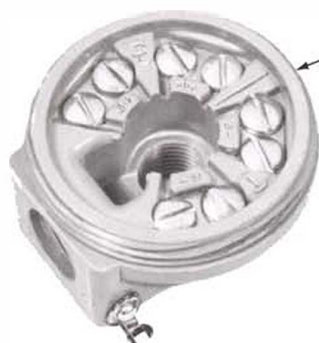
DUAL CIRCUIT MICRO HEAD w/MTG. BKT.	
CODE NO.	PRICE EACH
2211-(*)-() ¹	

HI-TEMP DUAL MICRO HEAD w/MTG. BKT.	
CODE NO.	PRICE EACH
2311-(*)-() ¹	

*Specify type J,K,T,E,R,S,C,U,N
1-Specify sheath size 1/16, 1/8, 3/16, 1/4

For Mounting directly on thermocouple sheath stem by compression fitting. **Large head brass terminal screws** facilitate tight connections. **Bodies are molded** of high performance thermoset compounds (will not melt) for high strength and dependability. The color coded micro heads will withstand ambient temperatures to 400° F (205° C) continuous 500° F (260° C) intermittent. High-Temperature micro heads (All Hi-Temp micro heads are color coded red) will withstand ambient temperatures to 800° F (425° C) continuous and 1000° F (540° C) intermittent.

Angle bracket made of nickel plated steel provides means for firm surface mounting; can be spot welded for permanent mounting or screw mounted through holes provided.

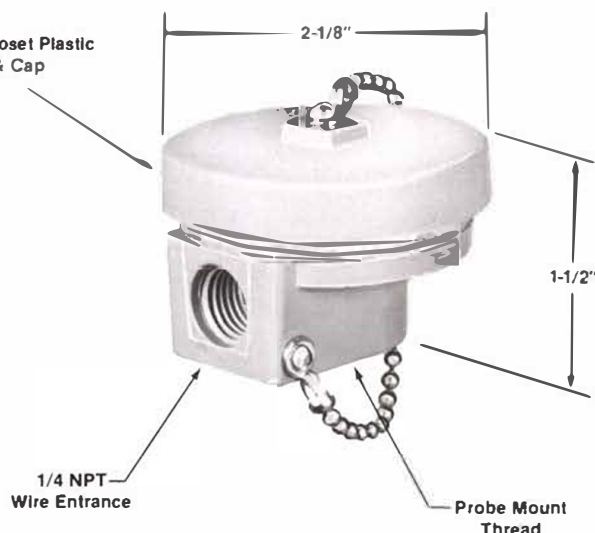


Thermoset Plastic Construction

Miniature Weatherproof Connecting Head is designed for termination of single or dual thermocouples, RTD's and strain gauges. Pipe threads are provided for probe mounting and extension wire fittings. Probe mount thread accommodates 1/4 NPT or 3/8 NPT. Cover includes gasket to seal against moisture, and chain to prevent loss. Molded of reinforced thermoset compounds, standard head can be used in ambient temperatures to 350° F (175° C); Hi-Temp head to 800° F (425° C).

Four separate connections are provided with individual circuit and polarity markings. Jab-In® terminals eliminate looped wire ends and make wiring easy and positive. Molded channels guide wire between large-head brass screws and copper terminal inserts. Accepts wire from 32 ga to 14 ga.

Thermoset Plastic Body & Cap



DESCRIPTION	PROBE MOUNT THREAD	PART NO.	PRICE
Standard 350°F	1/4 NPT	2002	
	3/8 NPT	2003	
Hi-Temp 800°F	1/4 NPT	2102	
	3/8 NPT	2103	

Mounting Accessories

Brass Compression Fitting includes body, nut and ferrule for mounting probe tubing.



TUBE SIZE OD	THREAD SIZE	PART NO.	PRICE
1/8"	1/4 NPT	A 14B 125	
3/16"	1/4 NPT	A 14B 187	
1/4"	1/4 NPT	A 14B 250	
3/8"	3/8 NPT	A 38B 375	

Stainless Steel Fixed Fitting for brazing to probe.

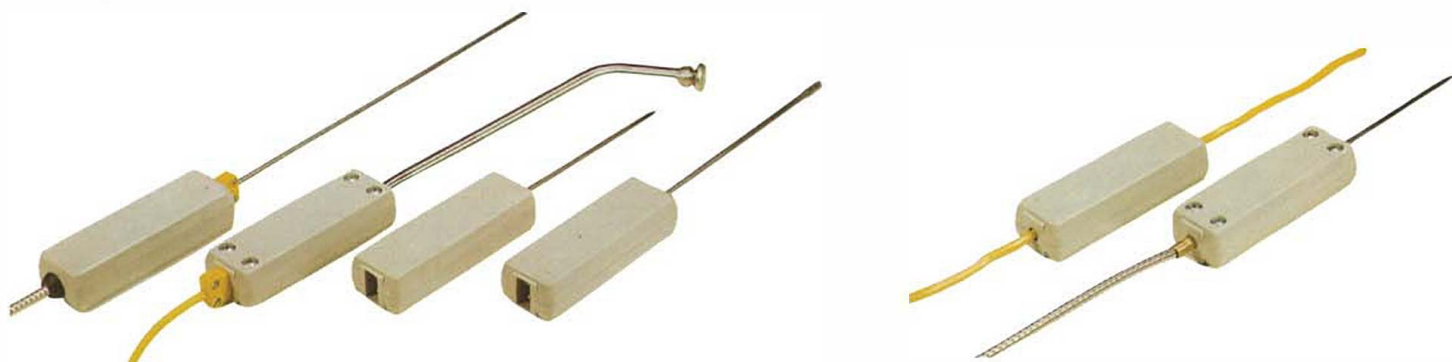


TUBE SIZE OD	THREAD SIZE	PART NO.	PRICE
1/8"	1/4 NPT	F 14S 125	
3/16"	1/4 NPT	F 14S 187	
1/4"	1/4 NPT	F 14S 250	
3/8"	3/8 NPT	F 38S 375	

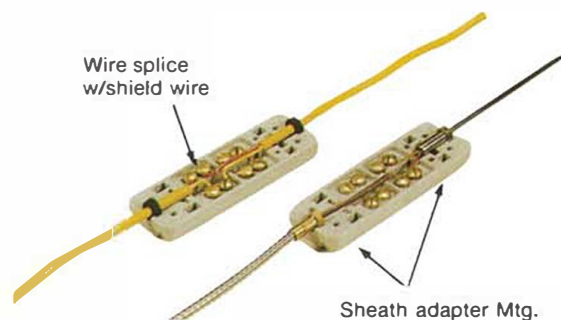
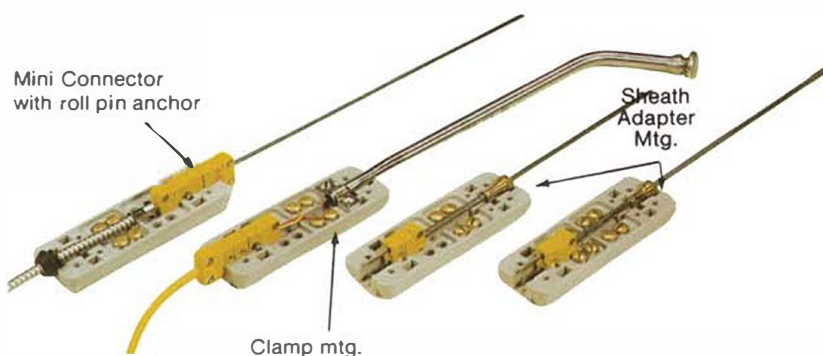
Wire Grip Fitting provides strain relief and moisture-proof protection for extension wires from 1/8" OD to 3/8" OD. Contains 1/4 NPT brass body, nut, two sizes of back-up washers and four assorted sizes of elastomer grommets.



1/4 NPT	2080	
---------	------	--



TYPICAL PROBE HANDLE CONFIGURATION



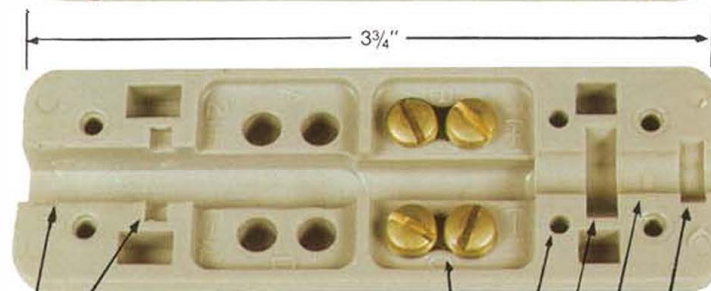
TYPICAL PROBE HANDLE HOOK-UP

This universal probe handle has been designed to accommodate a variety of mounting arrangements. Mini connectors, hex sheath adapters and rigid clamping provide dependable probe assemblies that properly strain-relieves

both the sheath and the wire. Molded of reinforced nylon the handle can be used to temperatures of 260°F (127°C) (not available in high-temperature).

FOR MINI CONNECTORS

FOR DIRECT WIRES



3 3/4"

1 1/4"

Slot for roll pin that anchors mini connector (.116 DIA. x 1/2" lg. roll pin provided)

Channel for mini connector mtg.

#6-32 terminal screws with lugs 2 places

5/16" Hex (see adapters page F-19)

For 1/4" DIA. tube size

7/16" Hex max. 3/8" Tube Size Drill out handle to fit.

Clamp Mtg. holes for #6 screw self tapping (2 pcs. provided) nominal 3/8" center

7/8" Assembled Handle Thickness

#6 Assembly Screws self-tapping 4 places

#6-32 terminal screws with lugs — 4 places (+), (-); 1, 2; A, B, C, D designation molded in handle

Part Number	Price
UPH-1	

Part Number	Price
UPH-2	