

# Neo-Dyn® Series 132T Temperature Switch/Internal Adjustment

Compact, adjustable, direct mount temperature switch featuring the efficient Nega-Rate® Belleville disc spring for set point stability and vibration resistance. Available with all stainless steel exterior and interior construction together with a hermetically sealed, explosion-proof electrical assembly. Ideally suited for applications involving hazardous and corrosive medias or environments.

## Operating Temperature Data

Adjustable Range	Adjustable Set Point Range		Deadband† (approx) Bottom/Top		Proof Temperature	
	Increasing °F	Decreasing °F	°F	°C	°F	°C
B	-50 to +30	-69 to +26	19/4	11 / 2	250	121
D	+30 to +125	+7 to +121	23/4	13 / 2	300	149
F	+95 to +200	+70 to +196	25/4	14 / 2	400	204
H	+115 to +230	+89 to +224	26/6	14 / 3	400	204
J	+175 to +300	+146 to +294	29/6	16 / 3	500	260
L	+260 to +360	+236 to +356	24/4	13 / 2	500	260
N	+290 to +395	+263 to +391	27/4	15 / 2	500	260

†Deadband decreases as the adjustable set point is increased. For narrow deadband select set point in upper half of adjustable range.

## Standard Specifications

### Electrical

Snap action electrical switch assembly listed by Underwriters' Laboratories, Inc., Factory Mutual and CSA International

### Electrical Connection

½ NPT male conduit connection with PVC insulated 18 AWG, 18" long leads

### Process Connection

½ NPT Male  
Direct mount

### System Pressure

1500 psig maximum

### Proof Pressure

2250 psig

### Adjustment

Internal, slotted adjustment nut with range scale

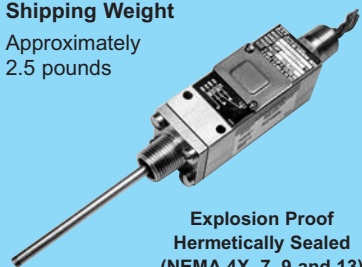
### Temperature Range

Ambient: -40°F to +180°F  
(-40°C to +82°C)

See Electrical Assembly specification sheet for Temperature Class Ratings.

### Shipping Weight

Approximately  
2.5 pounds



## Ordering Sequence — Select desired option for each category

### OPTIONS

#### Wetted Material

4 300 Series stainless steel port and probe assembly, Teflon seal

#### Adjustable Range

B	-69°F dec. to	+30°F inc.	-56°C dec. to	-1°C inc.
D	+7°F dec. to	+125°F inc.	-14°C dec. to	52°C inc.
F	+70°F dec. to	+200°F inc.	21°C dec. to	93°C inc.
H	+89°F dec. to	+230°F inc.	32°C dec. to	110°C inc.
J	+146°F dec. to	+300°F inc.	63°C dec. to	149°C inc.
L	+236°F dec. to	+360°F inc.	113°C dec. to	182°C inc.
N	+263°F dec. to	+395°F inc.	128°C dec. to	202°C inc.

#### Electrical Form

C 11 amp, ¼ hp at 125 or 250 VAC; 5 amp resistive, 3 amp inductive at 28 VDC;  
.5 amp resistive at 125 VDC  
CC 11 amp, ¼ hp at 125 or 250 VAC; 5 amp resistive, 3 amp inductive at 28 VDC;  
.5 amp resistive at 125 VDC

#### Enclosure

6 Explosion proof, hermetically-sealed electrical assembly, leads factory sealed, P/N 057-0770 (C Form) and P/N 057-0771 (CC Form); Underwriters' Laboratories, Inc. listed (File E56677), CSA International certified (File LR34146), and Factory Mutual approved (File J.I.1R5A9.AE) for Division 1 and 2; Class I, Groups A, B, C and D; Class II, Groups E, F and G Hazardous Locations; NEMA type 7 and 9.

#### Miscellaneous

A Epoxy paint exterior — extra protection for severe environments  
H 316 stainless steel body  
I ¾ NPT conduit box with terminal strip (Groups C & D only, not available with N option)  
J Annealed stainless steel port screws for H<sub>2</sub>S environments  
M Gold electrical contacts for extremely low current applications  
N ATEX approval with CE Mark  
R 72" Electrical free leads

#### Special (Consult representative or factory)

- Thermowells
- Non-catalog adjustable range and/or set point and deadband

## Ordering Procedure

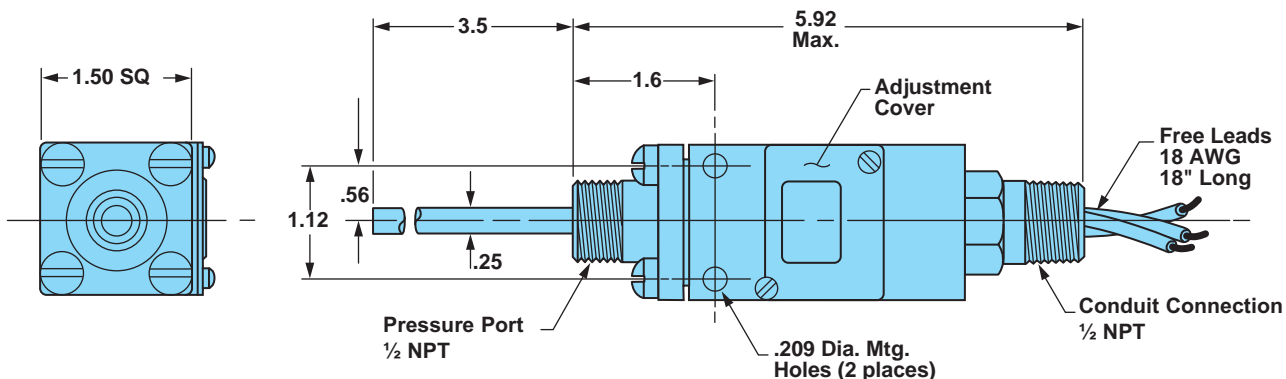
- When factory presetting is desired, stipulate set point, increasing or decreasing
- Insert available option letter designation as required

## Example

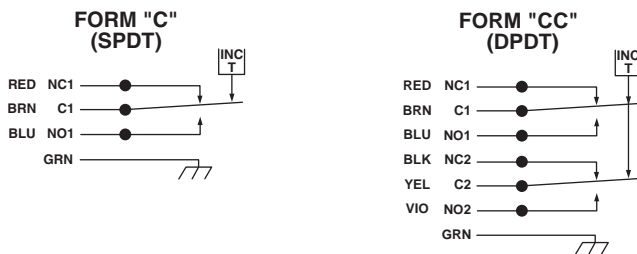
Series  
Wetted Material  
Adjustable Range  
Electrical Form  
Enclosure  
Miscellaneous

132T 4B CC6 \_

## Envelope Dimensions



## Electrical Form



## Basic Principles of Design

