

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



**Weather Proof  
(NEMA 4 and 13)**

## DESCRIPTION

Compact, adjustable, temperature switch featuring the efficient Nega-Rate® Belleville disc spring for set point stability and vibration resistance. Comes with capillary for remote mount up to 25 feet.

## Operating Temperature Data

Adjustable Range	Adjustable Set Point Range		Deadband† (approximate) Bottom/Top of Range °F	Proof Temperature °F
	Increasing °F	Decreasing °F		
B	-50 to +30	-69 to +26	19/4	250
D	+30 to +125	+7 to +121	23/4	300
F	+95 to +200	+70 to +196	25/4	400
H	+115 to +230	+89 to +224	26/6	400
J	+175 to +300	+146 to +294	29/6	500
L	+260 to +360	+236 to +356	24/4	500
N	+290 to +395	+263 to +391	27/4	500
P	+365 to +480	+338 to +476	27/4	600*
R	+485 to +655	+445 to +646*	40/9	750*

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

\*Thermowell required for temperatures above 500°F.

## Standard Specifications

### Electrical

Snap action electrical switch recognized by Underwriters' Laboratories, Inc. and CSA International

### Electrical Connection

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

### Process Connection

½ NPT Male  
Remote mount  
Stainless steel 6' capillary with armor jacket, 10" minimum bendable tubing and ½" adjustable gland nut. Optional capillary lengths available.

### 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)

### Shipping Weight

Approximately 3.5 pounds

## Ordering Sequence — Select desired option for each category

### OPTIONS

#### Wetted Material

5 316 series stainless steel, graphite filled non-asbestos packing

#### Adjustable Range

B -69°F dec. to +30°F inc.  
D +7°F dec. to +125°F inc.  
F +70°F dec. to +200°F inc.  
H +89°F dec. to +230°F inc.  
J +146°F dec. to +300°F inc.  
L +236°F dec. to +360°F inc.  
N +263°F dec. to +395°F inc.  
P +338°F dec. to +480°F inc.  
R +445°F dec. to +655°F 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

3 Meets or exceeds the requirements of NEMA Type 3, 3R, 3S, 4, 4X and 13

#### Miscellaneous

A Epoxy paint exterior — extra protection for severe environments  
I ¾ NPT conduit box with terminal strip  
J Annealed stainless steel port screws for H<sub>2</sub>S environments  
M Gold electrical contacts for extremely low current applications  
R 72" Electrical free leads  
X CE Mark

#### Optional Capillary Lengths

10', 15', 20' and 25' lengths available  
(insert appropriate number at end of model number — see Example)

#### Special (Consult representative or factory)

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

## Ordering Procedure

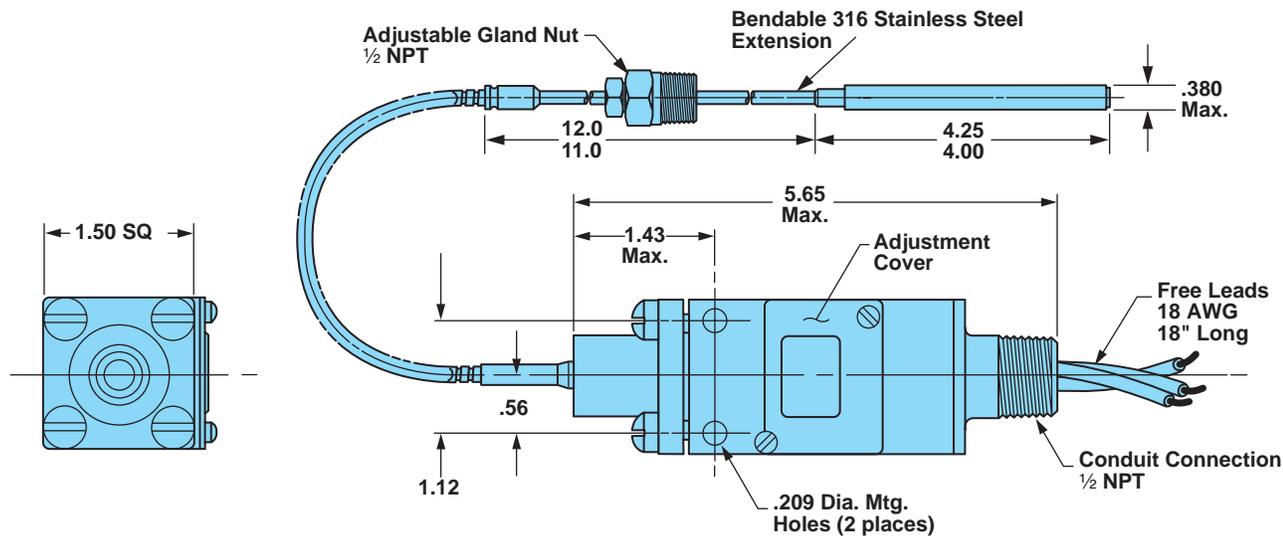
- When factory presetting is desired, stipulate set point, increasing or decreasing
- Insert available option number or letter designation as required

## Example

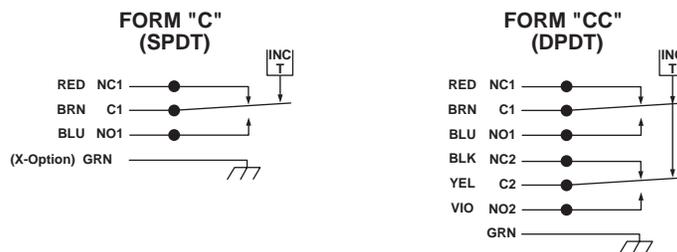
132TC5B CC3

Series  
Wetted Material  
Adjustable Range  
Electrical Form  
Enclosure  
Miscellaneous  
Optional Capillary Length

## Envelope Dimensions



## Electrical Form



## Basic Principles of Design

