

### DESCRIPTION

Remote mount adjustable temperature switch with efficient Nega-Rate® Belleville spring mechanism and saturated vapor sensor for quick response and narrow deadband.

Weather Proof (NEMA 4 and 13)

## **Onerating Temperature Data**

operating reinperature bata					
Adjustable Range	Adjustable Set Point Range				
Number	Increasing °F	Decreasing °F	Deadband <sup>†</sup> (approximate) ∘F	Proof Temperature •F	
В	-50 to +65	-69 to +62	19/3	250	
D	+30 to +175	+7 to +172	23/3	400	
F	+95 to +250	+70 to +247	25/3	450	
Н	+175 to +360	+145 to +355	30/5	500	
J	+335 to +500	+305 to +495	30/5	600*	
Ĺ	+485 to +720	+445 to +714	40/6	900*	
Ν	+645 to +925	+600 to +919	45/6	1200*	

<sup>†</sup>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**

1/2 NPT female conduit connection with terminal block

#### **Process Connection**

1/2 NPT Male

Remote mount Stainless steel 6' capillary with armor jacket, 10" minimum bendable tubing and 1/2" adjustable gland nut. Optional capillary lengths available.

#### **Temperature Range**

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

#### System Pressure

1500 psig maximum

### **Proof Pressure**

2250 psig

#### Adjustment

Concealed wrench flat adjustment with range scale

#### **Shipping Weight**

Approximately 5 pounds

# Ordering Sequence — Select desired option for each category

#### Wetted Material

**OPTIONS** 

5 300 series stainless steel, graphite filled non-asbestos packing

#### **Adjustable Range**

В	-69°F dec. to	+65°F inc.		
D	+7°F dec. to	+175°F inc.		
F	+70°F dec. to	+250°F inc.		
н	+145°F dec. to	+360°F inc.		
J	+305°F dec. to	+500°F inc.		
L	+445°F dec. to	+720°F inc.		
Ν	+600°F dec. to	+925°F inc.		

#### **Electrical Form**

- 15 amp at 125 or 250 VAC; 1/8 hp at 125 VAC; 1/4 hp at 250 VAC; С
- .5 amp resistive, .04 amp inductive at 125 VDC
- CC 11 amp, 1/4 hp at 125 or 250 VAC; 5 amp resistive, 3 amp inductive at 28 VDC; .5 amp resistive at 125 VDC
- 15 amp at 125 or 250 VAC; 1/4 hp at 125 VAC; 1/2 hp at 250 VAC; 1 amp resistive, Ζ .5 amp inductive at 125 VDC

#### Enclosure

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

#### Miscellaneous

- Α Epoxy paint exterior - extra protection for severe environments
- Annealed stainless steel port screws for H<sub>2</sub>S environments J
- Neon indicator light 115 VAC L
- Μ Gold electrical contacts for extremely low current applications
- Ρ 5-Pin Brad Harrison connector (Reduce AC electrical rating to 8 amps)
- (Not for CC3 Electrical)
- W Stainless steel screws — exterior
- Х CSA Certified and CE Mark

#### **Optional Capillary Lengths**

10', 15', 20' and 25' lengths available

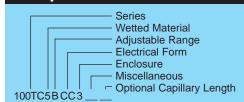
(insert appropriate number at end of model number - see Example)

- Special (Consult representative or factory)
- Thermowells
- Non-catalog adjustable range and/or set point and deadband

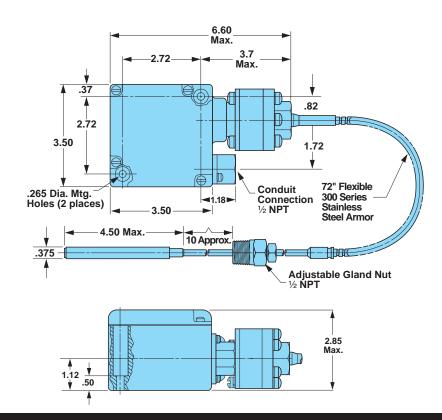
## **Ordering Procedure**

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

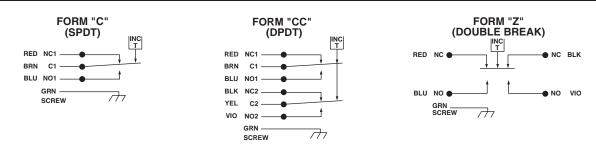
### Example



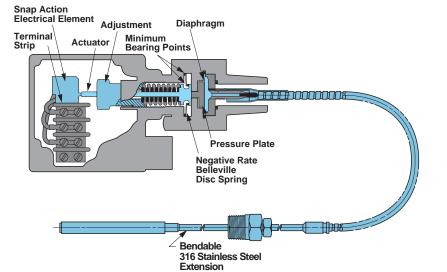
# **Envelope Dimensions**



## **Electrical Form**



# **Basic Principles of Design**





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