

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 [†] (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* | |

[†]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 H₂S 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

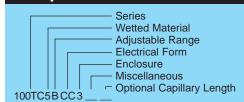
(insert appropriate number at end of model number - see Example)

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

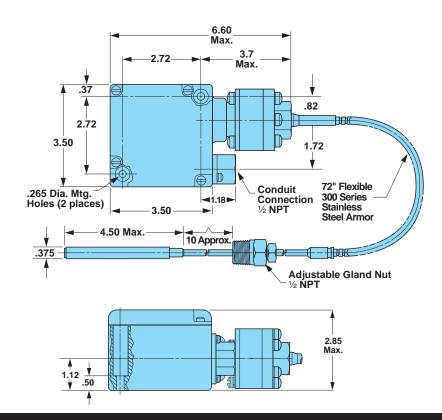
Ordering Procedure

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

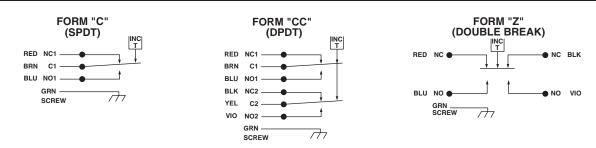
Example



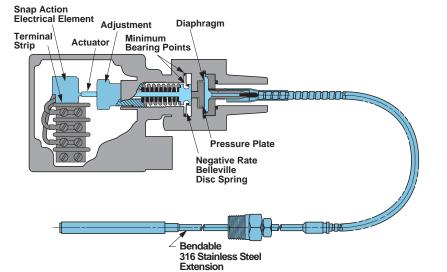
Envelope Dimensions



Electrical Form



Basic Principles of Design





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