

KDA: 30036



ITT

ENGINEERED FOR LIFE

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:** 1/2 NPT male conduit connection with PVC insulated 18 AWG, 18" long leads
- Process Connection:** 1/2 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



Order Miscellaneous Option "D"



Explosion Proof Hermetically Sealed (NEMA 4X, 7, 9 and 13)

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, 1/4 hp at 125 or 250 VAC; 5 amp resistive, 3 amp inductive at 28 VDC; .5 amp resistive 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

Enclosure

- 6** Explosion proof, hermetically-sealed electrical assembly, EX d IIC. Part Numbers 057-0770 & 057-0772 (Form C) and 057-0771 & 057-0773 (Form CC). Agency listings include Underwriters Laboratories, Inc., CSA International, Factory Mutual, and Inmetro, Division 1 and 2, Class I, Groups A, B, C, and D; Class II, Groups E, F, and G; NEMA 4X, 7, and 9; IP66. Leads are factory sealed and Temperature Switches are Dual Seal Certified.

Miscellaneous

- A** Epoxy paint exterior — extra protection for severe environments
- D** SIL approval and marking, per IEC61508 (includes FMEA report)
- H** 316 stainless steel body
- I** 3/4 NPT conduit box with terminal strip (Groups C & D only, not available with N option)
- J** Annealed stainless steel port screws for H₂S environments
- M** Gold electrical contacts for extremely low current applications
- N** ATEX and IECEx with CE Mark
- R** 72" Electrical free leads

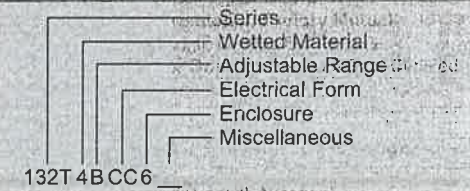
Special (Consult representative or factory)

- 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

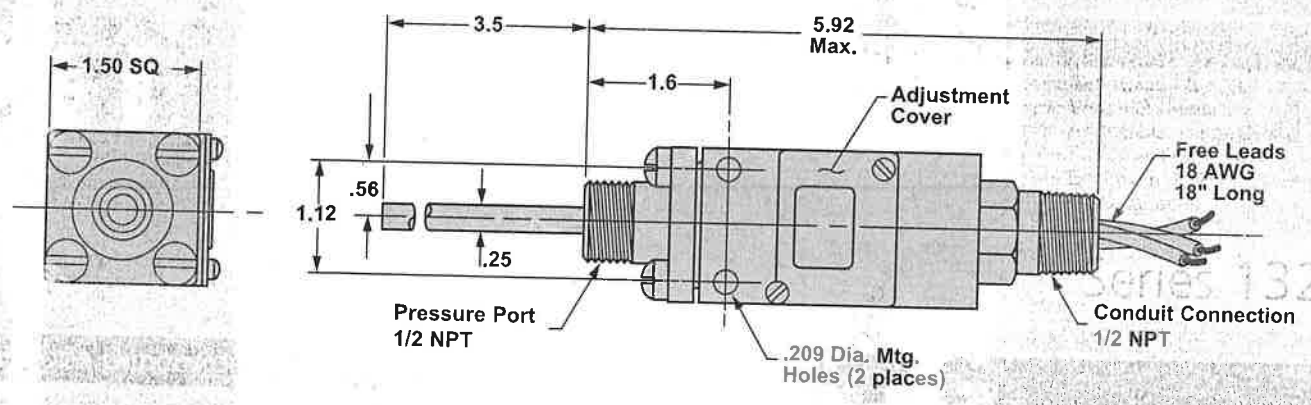


KSA! 30036

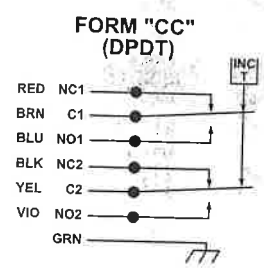
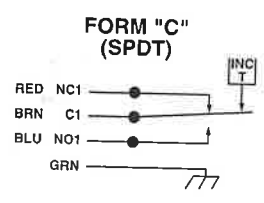
Field Adjustable
-69°F to +395°F

Series 132T

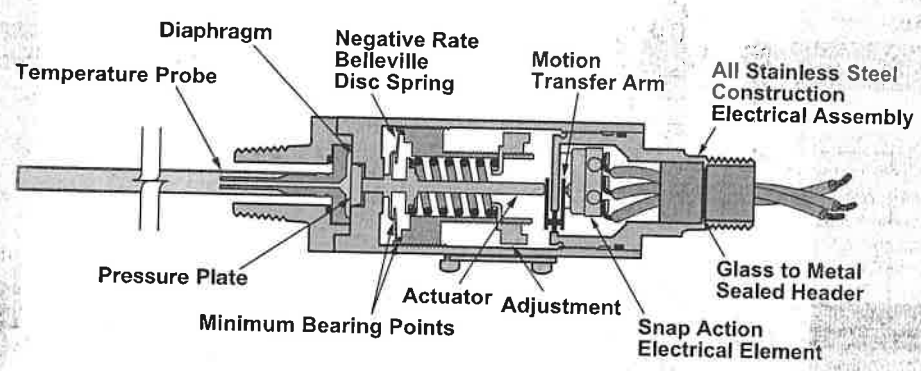
Envelope Dimensions



Electrical Form



Basic Principles of Design



AER0935_29 7/13
 Specifications and dimensions subject to change.