

Compact Explosion Proof Temperature Switch

T9692X

Features

- ▶ IECEx & ATEX approved
- ▶ Compact design
- ▶ Convenient field adjustability
- ▶ NEMA 4X, 7 & 9
- ▶ SPDT and DPDT switch
- ▶ Class I Div I
- ▶ Direct or remote mount
- ▶ Panel mount capability
- ▶ 316 stainless steel
- ▶ NACE compliant
- ▶ Armored capillary

Applications

- ▶ Offshore platforms
- ▶ Safety panels
- ▶ Chemical plants & refineries
- ▶ Compressor skids
- ▶ Instrument panels
- ▶ Hazardous location applications



General Specifications*

Accuracy:	±3% of full scale
Typical Life:	1 million cycles
Switch:	SPDT, snap action, Class EE, simulated DPDT (optional)
Electrical Ratings:	11 amps @ 125/250 VAC 5 amps @ 30 VDC (EE class)
Materials: Bulb, Capillary & Armor:	316 stainless steel
Enclosure:	316 stainless steel
Local Mount Element:	300 series stainless steel
Electrical Connection:	1/2 inch NPT male conduit connection 18 AWG, 18" (300 mm) free leads
Enclosure Ratings:	NEMA 4X, 7 & 9

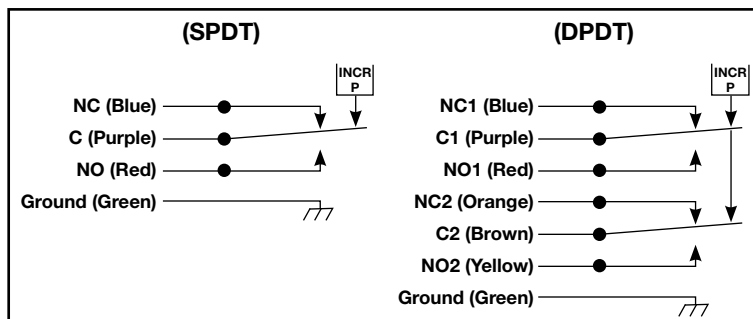
* See Product Configurator for additional options.

Approvals: ATEX/IECEx:	CE 0081, LCIE 08 ATEX 6074X II 2 G, Ex d IIC T6 Gb IECEx LCIE 17.0001X, -40°C ≤ Tamb ≤ 60°C
UL:	Listed 366S, Class: I, Groups: A, B, C, D, -25°C ≤ Tamb ≤ 60°C
CSA:	Class: I, Groups: B, C, D -40°C ≤ Tamb ≤ 60°C
Ambient Operating Temperature: CSA & ATEX:	-40°F to 140°F (-40°C to 60°C)
UL:	-13°F to 140°F (-25°C to 60°C)
EMI/RFI:	EN55011
Vibration:	10g's 10-500 Hz, MIL-STD 202°F
Shock:	50g's, 11 ms, MIL-S-901C
Adjustment:	Internal locking adjustment wheel, 1/16 hex set screw
Weight:	3 lbs. maximum

Wiring Code

Lead	Circuit #1	Circuit #2
Normally Closed	Blue	Orange
Common	Purple	Brown
Normally Open	Red	Yellow
Ground	Green	

Wiring Diagram



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Technical drawings of the 1/2 NPT 18" Free Leads model, showing front, side, and detail views with dimensions in inches and millimeters.

Dimensions in inches [mm]

Front View (Left):

- Overall height: 1.5 [38]
- Lead length: 18" FREE LEADS (SEE WIRE COLOR CODE CHART FOR FURTHER DETAILS)
- Conduit connector: 1/2 NPT CONDUIT CONNECTOR
- Mounting holes: 2X ϕ .2 [5] MOUNTING HOLES
- Lead diameter: ϕ .32 [8]
- Lead length (max): 3.7 [97] MAX
- Lead diameter (armor): ϕ 2 [5] (ARMOR DIA.)
- Lead diameter (non-armor): ϕ .06 [1.6] NON-ARMOR

Side View (Middle):

- Lead length: 18" FREE LEADS (SEE WIRE COLOR CODE CHART FOR FURTHER DETAILS)
- Conduit connector: 1/2 NPT CONDUIT CONNECTOR
- Mounting holes: 2X ϕ .2 [5] MOUNTING HOLES
- Lead diameter: ϕ .32 [8]
- Lead length (max): 3.7 [97] MAX
- Lead diameter (armor): ϕ 2 [5] (ARMOR DIA.)
- Lead diameter (non-armor): ϕ .06 [1.6] NON-ARMOR

Detail View (Right):

- Lead length: 18" FREE LEADS (SEE WIRE COLOR CODE CHART FOR FURTHER DETAILS)
- Conduit connector: 1/2 NPT CONDUIT CONNECTOR
- Mounting holes: 2X ϕ .2 [5] MOUNTING HOLES
- Lead diameter: ϕ .32 [8]
- Lead length (max): 3.7 [97] MAX
- Lead diameter (armor): ϕ 2 [5] (ARMOR DIA.)
- Lead diameter (non-armor): ϕ .06 [1.6] NON-ARMOR

LOCAL MOUNT OPTION

ARMOR VERSION SHOWN

CE

UL

SP

Ex

[illegible]