

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*

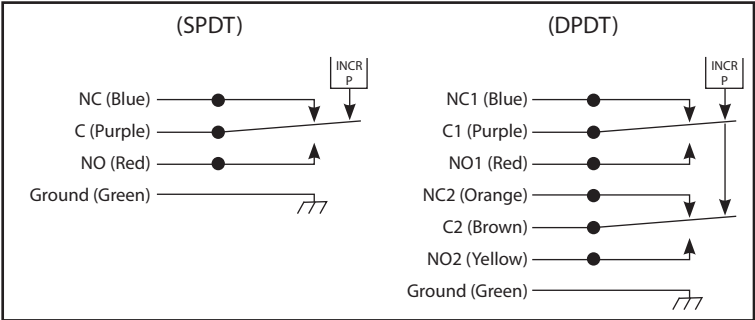
Accuracy:	63% of full scale	Approvals:	
Typical Life:	1 million cycles	ATEX/IECEx:	CE 0081, LCIE 08 ATEX 6074X Ex II 2 G, Ex d IIC T6 Gb IECEx LCIE 17.0001X, -40°C < Tamb < 60°C
Switch:	SPDT, snap action, Class EE, simulated DPDT (optional)	UL:	Listed 366S, Class: I, Groups: A, B, C, D, -25°C < Tamb < 60°C
Electrical Ratings:	11 amps @ 125/250 VAC 5 amps @ 30 VDC (EE class)	CSA:	Class: I, Groups: B, C, D -40°C < Tamb < 60°C
Materials: Bulb, Capillary & Armor:	316 stainless steel	Ambient Operating Temperature:	
Enclosure:	316 stainless steel	CSA & ATEX:	-40°F to 140°F (-40°C to 60°C)
Local Mount Element:	300 series stainless steel	UL:	-13°F to 140°F (-25°C to 60°C)
Electrical Connection:	1/2 inch NPT male conduit connection 18 AWG, 18" (300 mm) free leads	EMI/RFI:	EN55011
Enclosure Ratings:	NEMA 4X, 7 & 9	Vibration:	10g's 10-500 Hx, 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

* See Product Configurator for additional options.

Wiring Code

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

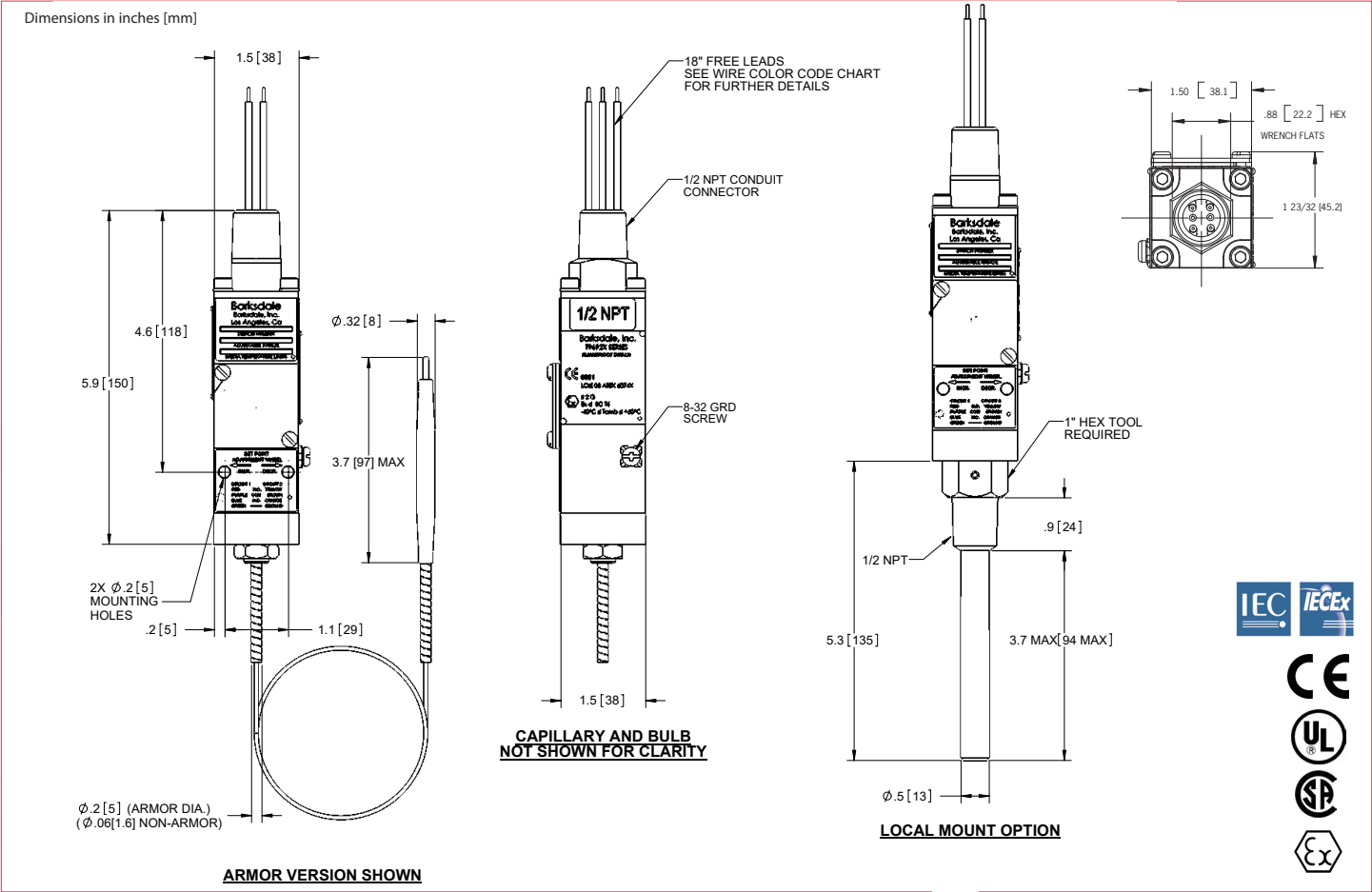
Wiring Diagram



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Technical Drawing



Product Configurator

Example

T9692X

-1

EE

-1

-072

Base Configurator

T9692X

Temperature switch

Number of Circuits

-1

SPDT switch

-2

Simulated DPDT switch
(2 SPDTs)

Limit Switch

EE

Silver contacts
11 amps @ 125V/250 VAC;
5 amps @ 30 VDC

GH

Gold contacts
1 amp @ 125/250 VAC

Temperature Ranges

-1

-10°F to 110°F (-23°C to 43°C)

5°F to 30°F (2.8°C to 16.7°C)

-40°F to 160°F (-40°C to 71°C)

160°F (71°C)

-2

95°F to 220°F (35°C to 104°C)

5°F to 30°F (2.8°C to 16.7°C)

40°F to 270°F (4°C to 132°C)

270°F (132°C)

-3

180°F to 330°F (82°C to 165°C)

5°F to 30°F (2.8°C to 16.7°C)

70°F to 380°F (21°C to 193°C)

380°F (193°C)

Options

Blank

Standard

-A¹

Stainless steel armor

-SXXX

Factory preset

-WXXX

Extra wire length
(XXX=inches)

Capillary Length

-072

6 ft (1.8 meters)

-108

9 ft (2.7 meters)

-144

12 ft (3.7 meters)

-001

Local mount

	Adjustable Range	Approx. Deadband ² Actuation Value	Media Temperature Limits	Proof Temperature
-1	-10°F to 110°F (-23°C to 43°C)	5°F to 30°F (2.8°C to 16.7°C)	-40°F to 160°F (-40°C to 71°C)	160°F (71°C)
-2	95°F to 220°F (35°C to 104°C)	5°F to 30°F (2.8°C to 16.7°C)	40°F to 270°F (4°C to 132°C)	270°F (132°C)
-3	180°F to 330°F (82°C to 165°C)	5°F to 30°F (2.8°C to 16.7°C)	70°F to 380°F (21°C to 193°C)	380°F (193°C)

¹ Not available in local mount

² Deadband values indicated when used with the "EE" limit switch