

# Compact explosion proof temperature switch

**T9692X**

## Features

- IECEx & ATEX approved
- Compact design
- NEMA 4X, 7 & 9
- SPDT and DPDT switch
- Class I Div I
- Local mount or capillary type
- Panel mount capability
- 316 stainless steel
- NACE compliant
- Armored capillary

## Adjustment ranges

-23 °C...+43 °C bis 82 °C...+165 °C

## Applications

Offshore,  
 Chemical plants & refineries,  
 Compressor skids,  
 Instrument panels,  
 Hazardous location applications



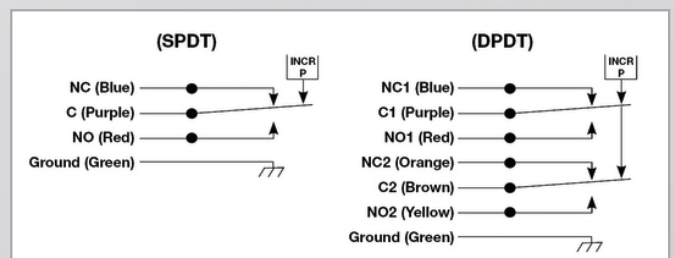
## Technical Data

<b>Repeatability:</b>	±3% of full scale
<b>Typical life:</b>	1 million cycles
<b>Switch type:</b>	SPDT, snap action, Class EE, simulated DPDT (optional) with 2 SPDT
<b>Electrical ratings:</b>	11 A 125/250 VAC 5 A 30 VDC (EE class)
<b>Material:</b>	
Capillary & armor:	316 stainless steel (1.4401/1.4436)
Housing:	316 stainless steel (1.4401/1.4436)
Sensor:	stainless steel
<b>Electrical connection:</b>	1/2" NPT male conduit connection 18 AWG, 18" (450 mm) free leads
<b>Protection class:</b>	NEMA 4X, 7 & 9

<b>Approvals:</b>	
ATEX:	CE 0081 LCIE 08 ATEX 6074X Ex II 2 G Ex d IIC T6 Gb, IECEX LCIE 17.0001X, -40 °C ≤ T <sub>amb</sub> ≤ 60 °C
UL:	Listed 366S, Class: I, Groups: A, B, C, D, -25 °C ≤ T <sub>amb</sub> ≤ 60 °C
CSA:	Class: I, Groups: B, C, D -40 °C ≤ T <sub>amb</sub> ≤ 60 °C
<b>Ambient temperature:</b>	
CSA & ATEX:	-40 °C to 60 °C (-40 °F to 140 °F)
UL:	-25 °C to 60 °C (-13 °F to 140 °F)
<b>EMI/RFI (EMC):</b>	EN55011
<b>Vibration resistance:</b>	10g 10-500 Hz, MIL-STD 202 °F
<b>Shock resistance:</b>	50g 11 ms, MIL-S-901C
<b>Set point adjustment:</b>	Adjustment knob can be locked by setscrew (hexagon socket SW 1.5). Set point is increased by turning the adjustment knob clockwise.
<b>Weight:</b>	max. 1.4 kg

## Switching and Connection Diagram

---	Circuit #1	Circuit #2
Normally Closed/NC	Blue	Orange
Common	Purple	Brown
Normally Open/NO	Red	Yellow
Ground	Green	

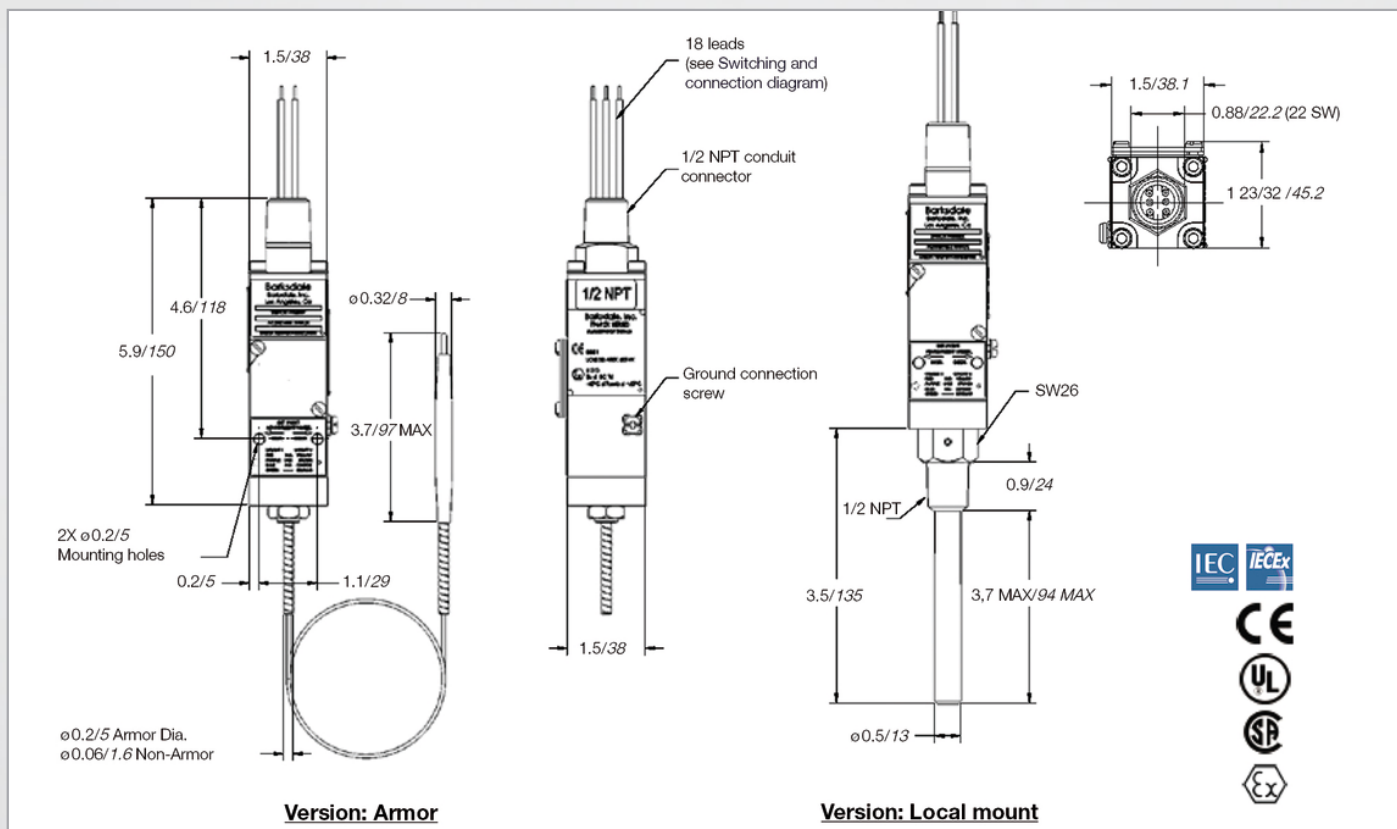


# Temperature

## Compact explosion proof temperature switch

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### Dimensions (mm / inch)



### Product Configurator

Example T9692X -1 EE -1 -72

#### Base Configurator

T9692X Temperature switch

#### Switch contact

-1	SPDT
-2	DPDT (simulated with 2 SPDT)

#### Micro switch

EE	Silver contacts, 11 A, 125V/250 VAC; 5 A, 30 VDC
GH	Gold contacts, 1 A, 125/250 VAC

#### Temperature ranges

	Adjustment range	Approx. Deadband <sup>2</sup> Actuation value	Max. temperature range	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)

#### Options

---	Standard
-A <sup>1</sup>	Stainless steel, armor
-SXXX	with factory set point adjustment
-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

<sup>1</sup> Not available in local mount

<sup>2</sup> Deadband values indicated when used with the "EE" limit switch.

### Accessories

Order No.	Description
926-0811	Ex d - Terminal box incl. terminal (drawing 923-1533 on request)