

Product Description

The STWE temperature switch features an LED display to provide continuous temperature monitoring, and allows the operator to easily adjust set and reset points by using the two programming buttons located on the display face on the unit. The display face can be rotated up to 330° to offer the best possible viewing position in any application.

Features

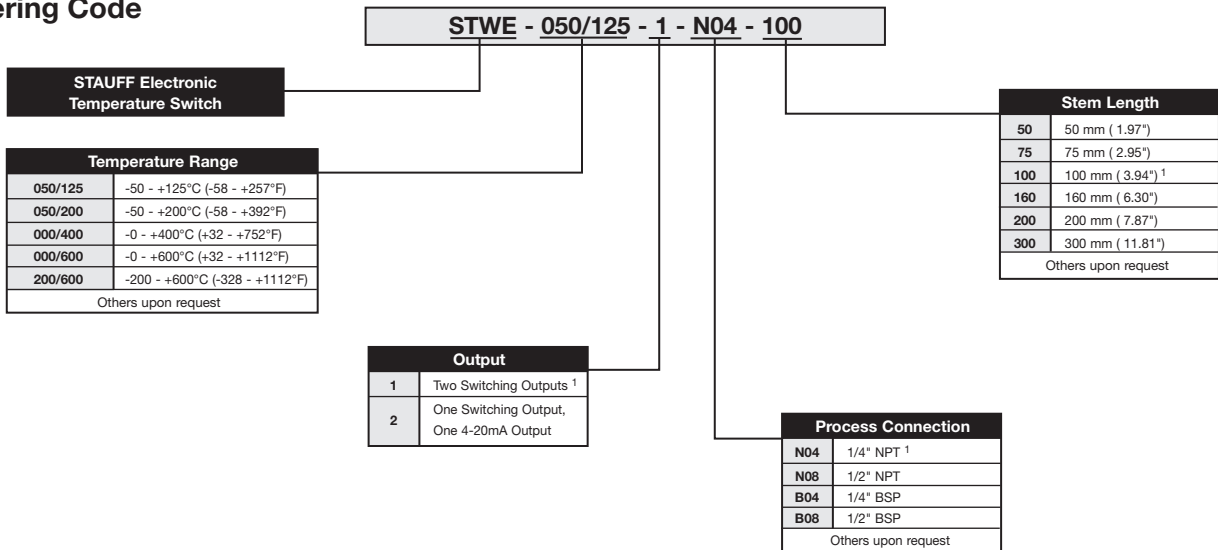
- Stainless steel construction
- LED display, and easy programming of set points
- Two switching outputs
- -50°C...+125°C (-58°F...+257°F) Temperature Range
- 1/4 NPT thread connection
- 100mm stem length
- LED display rotates up to 330°

Options

- 1/2 NPT, 1/4 BSP, and 1/2 BSP available thread connections
- Temperature ranges available from -200°C...+600°C (-328°F...+1112°F)
- One switching output and one analog output



Ordering Code

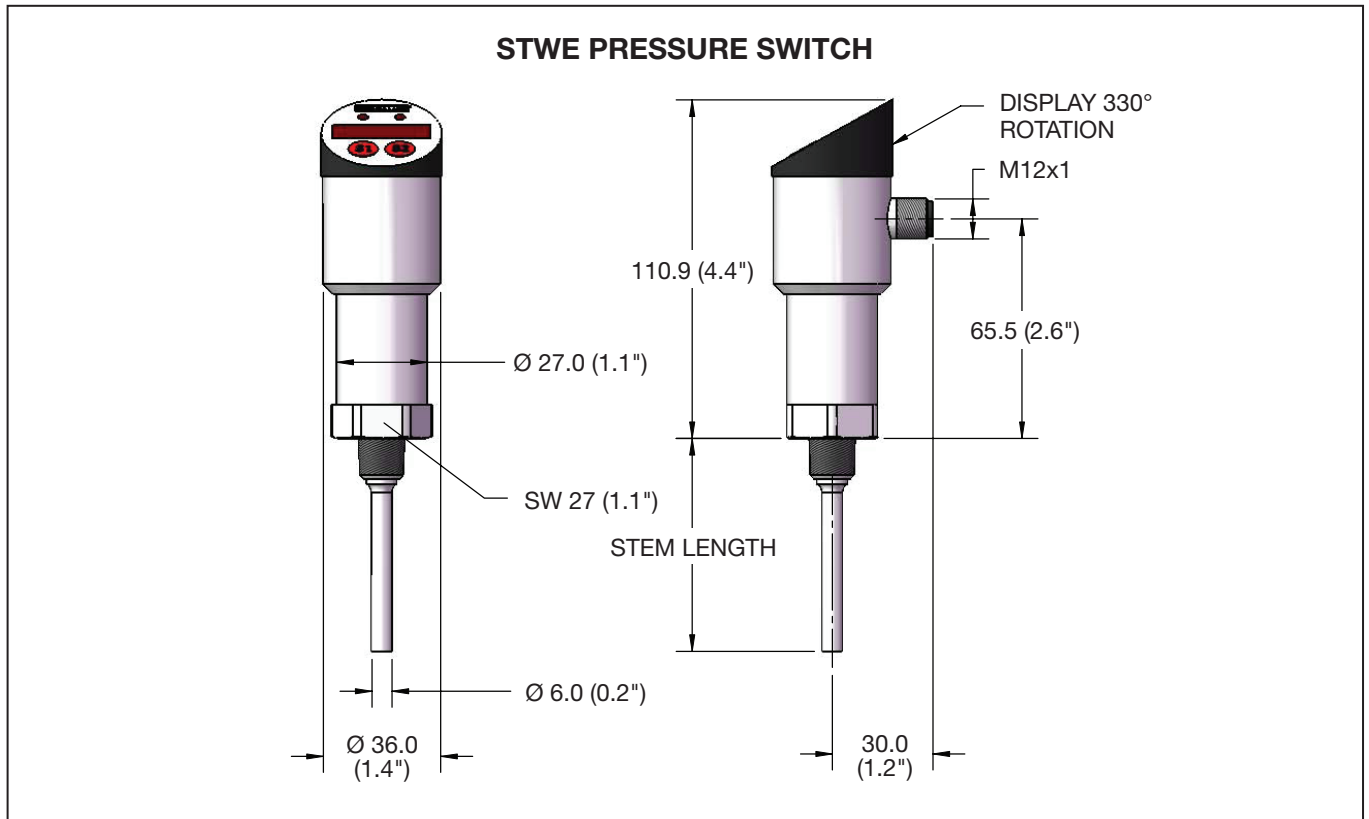


Notes:

1 - Normally Stocked

Specifications			
Materials	Housing	Stainless Steel	
	Process Connection	Stainless Steel	
Supply Voltage		12...30 V DC, Protection From Reverse Polarity and Overload	
Power Consumption		≤ 50 mA, Without Load Current	
Switching Outputs	Switching Function	Normally Closed (NC) or Normally Open (NO)	
	Power Rating	100 mA per Switch Output	
Adjustment	Set point	0.1° Steps Within Temperature Range	
	Reset Point	0.1° Steps Within Temperature Range up to (Set Point - 0.1°)	
Analogue Output	Signal	4...20 mA, 3-wire	
	Load Resistance	R = Us - 7V/0.022A	
Accuracy		Accuracy of PT100 Sensing Element + 0.1% of Temperature Range	
Repeatability		0.05%	
Temperature Ranges		-50...+125°C	-58...+257°F
		-50...+200°C	-58...+392°F
		-0...+400°C	+32...+752°F
		-0...+600°C	+32...+1112°F
		-200...+600°C	-328...+1112°F
Stem Length and Working Pressure	Standard	ø6 x 50mm Stem Length, Up to 580 PSI (40 BAR)	
		Additional Stem Lengths Available Upon Request	
Thread Connections		1/4 NPT, 1/2 NPT, 1/4 BSP, and 1/2 BSP	
Electrical Connections		M12x1, 4-pin	
Protection Class		IP65 According to IEC 529	
Temperature Ranges	Storage	-30...+80°C	-22...176°F
	Ambient	-25...+70°C	-13...158°F
	Tk	0.1% of Measuring Range per 10 K	
Display		7-segments, LED Display, Red, 7.6mm high	
EMC to IEC / EN 61 326		IEC 61000 / 4 / 2 ESD: B	
		IEC 61000 / 4 / 3 HF Radiated: A	
		IEC 61000 / 4 / 4 Burst: A	
		IEC 61000 / 4 / 5 Surge: A	
Weight		IEC 61000 / 4 / 6 HF Mains Borne: A	
		Approx 0.3 kg/0.7lbs (Dependent on Stem Length)	

Dimensional Data



DIAGTRONICS

Wiring Diagram

