

## Product Description

The SPWF pressure switch features an LED display to provide continuous pressure monitoring and allows the operator to program the set points without having to pressurize the unit. The display can be rotated up to 330° to offer the best possible viewing position in any application.

## Features

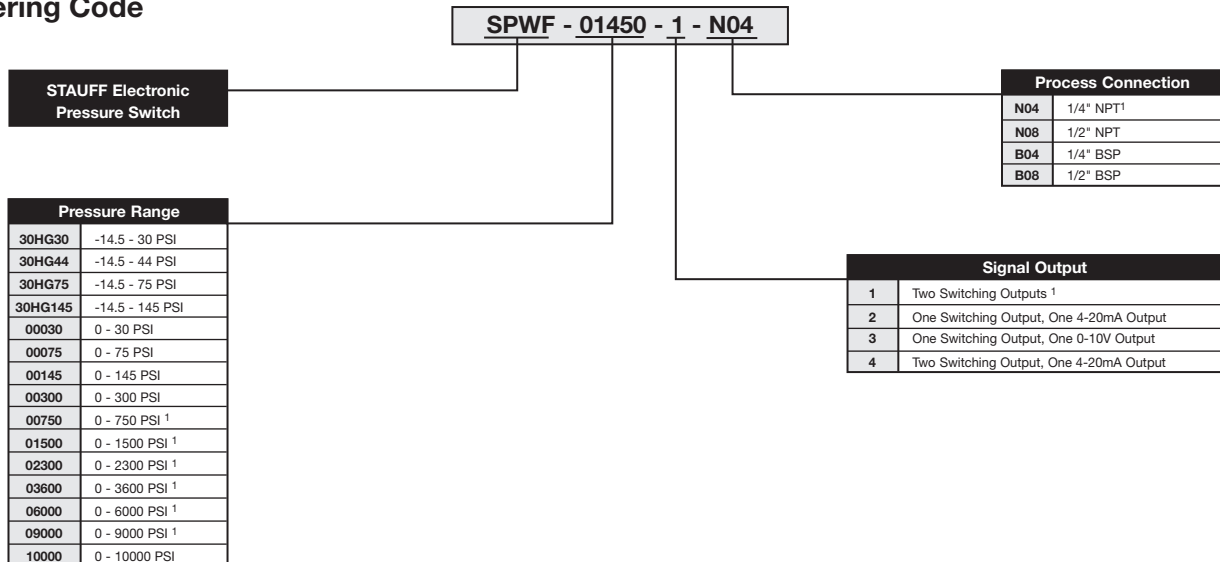
- Stainless steel construction
- LED display, and easy programming of set points
- Two switching outputs
- Adjustment ranges of 0-750 PSI, 0-1500 PSI, 0-2300 PSI, 0-3600 PSI, 0-6000 PSI, and 0-9000 PSI
- 1/4 NPT thread connection
- LED display rotates up to 330°

## Options

- 1/2 NPT, 1/4 BSP, and 1/2 BSP available thread connections
- One switching output and one analog output
- Two switching outputs and one analog output
- OEM version available for high volume orders
- Available adjustment ranges available from -14.5 PSI to over 10,000 PSI



## Ordering Code



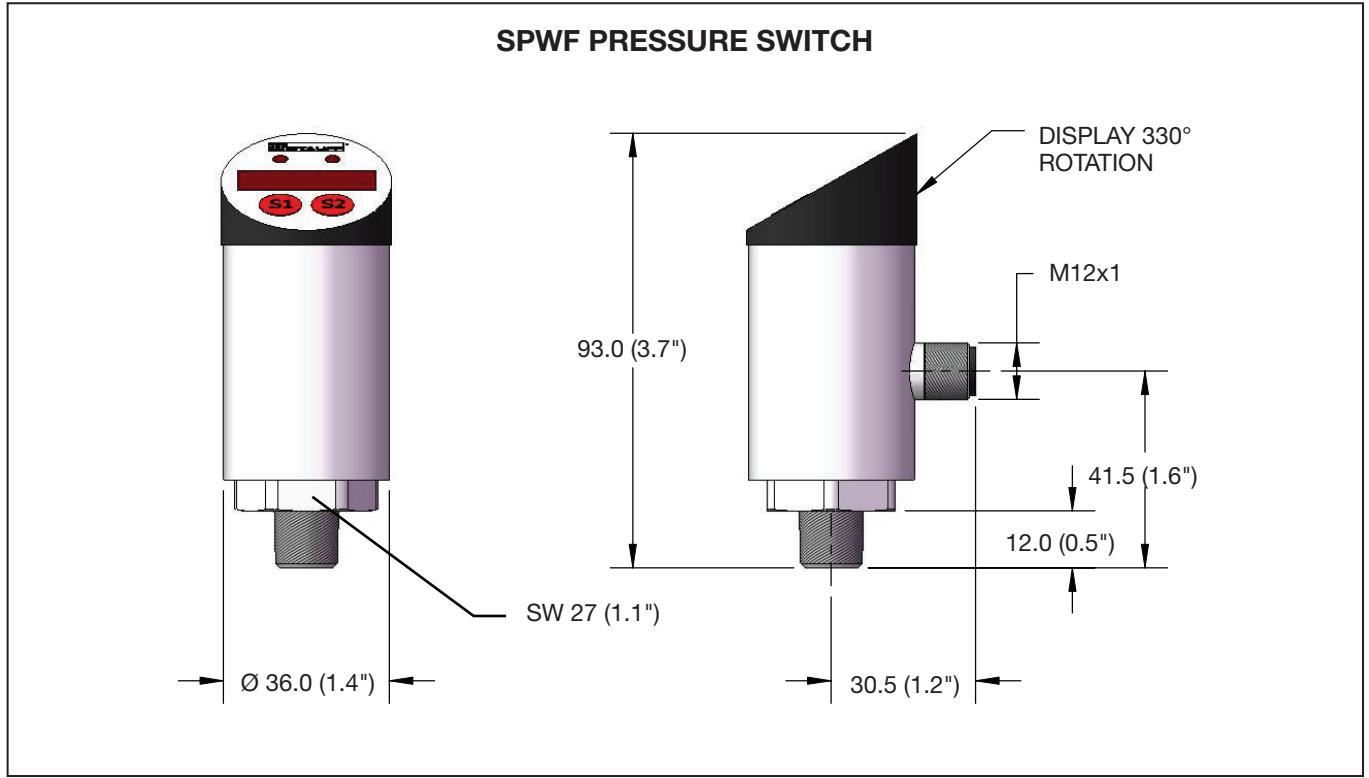
### Notes:

1 - Normally Stocked Option (Non Stock Items may require minimum quantity)

## SPECIFICATIONS

Specifications				
<b>Materials</b>	Measuring Element	SS For Pressures Above 1500 PSI, Ceramic for Below 1500 PSI		
	Housing	Stainless Steel		
	Process Connection	Stainless Steel		
<b>Supply Voltage</b>		12...30 V DC, Protection From Reverse Polarity and Overload		
<b>Power Consumption</b>		≤ 50 mA, Without Load Current		
<b>Switching Outputs</b>	Switching Function	Normally Closed (NC) or Normally Open (NO)		
	Damping (option)	0...2,000 ms		
	Delay (option)	0...99.99 s		
	Power Rating	0.5 A Max		
<b>Adjustment</b>	Set point	1...100% of Span		
	Reset Point	0...99% of Span		
<b>Analogue Outputs</b>	Standard	4...20 mA, 3-wire		
	Option	0...10 V, 3-wire		
	Scaling	20...100% of Span		
	Load Resistance	Current Output <500 , Voltage Output >10 k		
	Hysteresis	0.3% of Span		
	Response Time	≤2 ms Within 10-90% of F.S.		
<b>Accuracy</b>		1% of Span ±1 Digit		
<b>Repeatability</b>		0.2% of Span		
<b>Pressure Ranges</b>	<b>Adjustment Range</b>	<b>Overload Limit</b>	<b>Burst Pressure</b>	<b>Sensing Element</b>
	-14.5...30 PSI	73 PSI	87 PSI	CERAMIC CELL
	-14.5...44 PSI	73 PSI	87 PSI	
	-14.5...75 PSI	145 PSI	174 PSI	
	-14.5...145 PSI	290 PSI	363 PSI	
	0...30 PSI	73 PSI	87 PSI	
	0...75 PSI	145 PSI	174 PSI	
	0...145 PSI	290 PSI	363 PSI	
	0...300 PSI	580 PSI	725 PSI	
	0...750 PSI	1450 PSI	1740 PSI	
	0...1500 PSI	2900 PSI	3625 PSI	
	0...2300 PSI	4640 PSI	6960 PSI	THIN FILM
	0...3600 PSI	7250 PSI	10875 PSI	
	0...6000 PSI	11600 PSI	17400 PSI	
	0...9000 PSI	17400 PSI	21750 PSI	
	0...10000 PSI	17400 PSI	21750 PSI	
<b>Thread Connections</b>		1/4 NPT, 1/2 NPT, 1/4 BSP, and 1/2 BSP		
<b>Electrical Connections</b>		M12x1, 4-pin		
<b>Temperature Ranges</b>	Storage	-30...+80°C (-22°F...+176°F)		
	Media	-20...+80°C (-4°F...+176°F)		
	Ambient	-20...+70°C (-4°F...+158°F)		
	T <sub>k</sub>	0.3% per 10 K		
<b>Display</b>		7-segments, LED Display, Red, 7.6mm high		
		4-Digits (-999...9999)		
<b>Loading Capacity</b>	Shock Resistance	50g According to IEC 60068-2-27		
	Vibration Resistance	10g According to IEC 60068-2-6		
<b>Protection Class</b>		IP65 According to IEC 529		
<b>Weight</b>		Approximately 0.3 kg/0.7 lbs		

## Dimensional Data



## Wiring Diagram

