

## FEATURE

- Accuracy: RTD: 0.5%, T/C: 0.75%
- Wide selection of input
- Low output ripple
- High stability & low cost



## SPECIFICATION

### 2 - WIRE TEMP. TRANSMITTER

Input Range	Input Impedance	Output Range	Load Resistance
Type K, 0 ~ 1200°C	≥ 1M ohm	4 ~ 20 mA	≤ (Vs-12) / 20mA (ohm)
Type J, 0 ~ 1000°C	≥ 1M ohm		
Type E, 0 ~ 800°C	≥ 1M ohm		
Type T, -50 ~ 400°C	≥ 1M ohm		
Pt100Ω, -100 ~ 800°C	≥ 10M ohm		

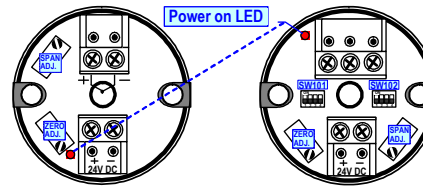
- Accuracy:** RTD (Pt100): ±0.15% of FSO  
T/C (K, J, E, T): ±0.3% of FSO
- Response time:** ≤ 300 msec.
- Span adjustment:** ≤ 10% of FSO
- Zero adjustment:** ≤ 5% of FSO
- Output ripple:** ≤ 0.3% of FSO
- Power Supply:** DC 16 ~ 36V
- Open circuit protection:** Upscale ≥ 22mA
- Operating temperature:** 0~60°C
- Operating relative humidity:** 20~95%RH
- Temperature coefficient:** ≤ 100 PPM/°C
- Cold junction compensation:** 25±10°C, error ≤ 0.5°C
- Storage temperature:** -10~70°C
- Weight:** 50g

- Mechanical**
- Material:** Tube, Connection: St. Steel 316  
Head: Aluminum case
- Tube diameter:** 3.2, 4.8, 6.4, 8.0, 9.0, 12.75 mm
- Connection:** 1/4", 3/8", 1/2" NPT or PT male  
Sliding connection or Flange available
- Thermo-Well:** 1/4", 3/8", 1/2" NPT or PT male  
Flange available

## ADJUSTMENT

Thermocouple input:

Pt100Ω input:



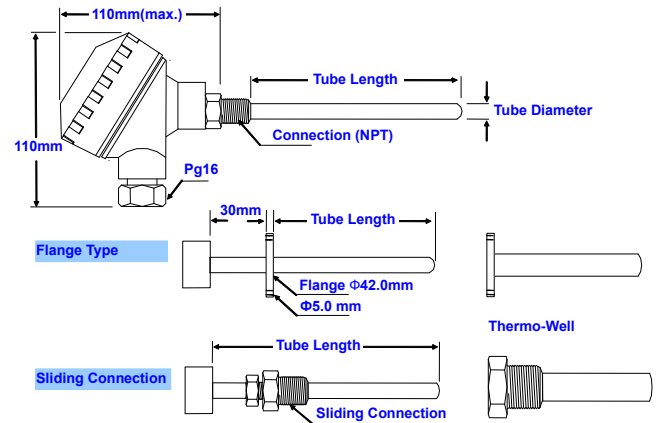
**ZERO:** Zero Adjust Pot (Clockwise: o/p increase)

**SPAN:** Span Adjust Pot (Clockwise: o/p increase)

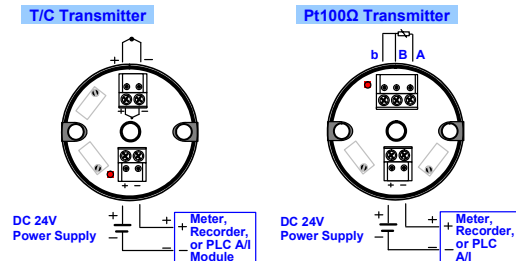
Pt100Ω Range Selection	SW101	1	2	3	4
OFF/SET					
+50 °C	ON				
+20 °C		ON			
0 °C			ON		
-20 °C				ON	

SW102	1	2	3	4
SPAN (8)	(4)	(2)	(1)	
50 °C				ON
100 °C				ON
150 °C			ON	
200 °C			ON	ON
250 °C		ON		
300 °C	ON			
350 °C	ON	ON		
400 °C	ON	ON	ON	
450 °C	ON			
500 °C	ON			ON
550 °C	ON			ON
600 °C	ON			ON
650 °C	ON	ON		
700 °C	ON	ON	ON	
750 °C	ON	ON	ON	ON
800 °C	ON	ON	ON	ON

## DIMENSIONS



## CONNECTION DIAGRAM



## ORDER INFORMATION

