ELECTRNIC TEMPERATURE SWITCH
serie THTS2

Specification:

THTS2 temperature switch is intelligent & digital temperature measurement and control products with functions of temperature measurement, display, output and control. THTS2 is made wit h complete electronic structure, Pt100 temperature probe is located its front end, the output signal is processed by amplifier, which is with high precision and low temperature drift, then sent into high precision A/D converter, to be converted to digital signal for microprocessor, the signal after processed will control two relay output, and realize the temperature measurement for system.The use of THTS2 is very flexible. THTS2 is also very easy to operate and adjust. This product is widely used for liquid temperature measurement, display and control in electricity, water, petroleum, chemical, mechanical, hydraulic and other industries.

Description:

– 4 digit to display temperature
– Present temperature switch point and relay switch output
– Switch can be set from zero to full scale
– The outer case is equipped with light emitting diode (LED), is easy for operation
– 4~20mA analog output (optional)

TECHNICAL PARAMETERS			
Measurement medium	gas or liquid compatible with stainless steel	**Service life of switch**	>1million times
Temperature ranges	-50~+200	**Power consumption**	<3W
Output signal	4~20mA(option)	**Load capacity**	<24V, 1. 2A
Control accuracy	0.5%FS(standard)	**Process connection**	G1/4, G1/2 , M20x1,5
Display accuracy	0.1%FS	**Electrical connection**	aviation connector or others
Long term stability	0.2%FS/year	**Material of wetted part**	321
Supply voltage	18~32V DC	**Relative humidity**	0~80%
Ambient temperature range	-30℃~+70℃	**Protection**	IP65
Storage temperature range	-20℃~+100℃		

Oder code:

THTS2				
	Range	Process connection	Electrical connection	Insert depth
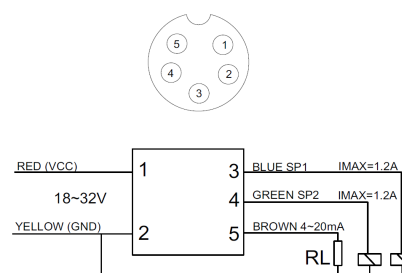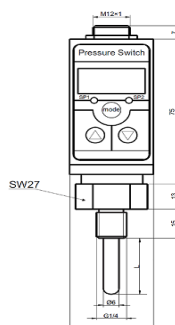
THTS2			
	Range	measuring range: -50°C ~+200°C	
	(X1~ X2)°C	X1 –the min.measuring temperature, X2- the max.measuring temperature	
		Code	**Process connection**
		P1	G1/4
		P2	G1/2
		P4	M20x1,5
		Pz	customer request
		Code	**Electrical connection**
		E1	DIN 43650
		E2	aviation connector
		E3	M12 connector
		Ez	customer request
			Insert depth L (mm)

THTS2	(0 ~ 100)°C	P2	E3	50
	Range	Process connection	Electrical connection	Insert depth

RED (VCC)
18~32V
YELLOW (GND)

1   3   BLUE SP1   IMAX=1.2A
2   5   GREEN SP2   IMAX=1.2A
     4   BROWN 4~20mA
RL