C.2.2.

TEMPERATURE SWITCH THTS2 ELECTRONIC

DESCRIPTION:

- 4 -digit dislay for temperature monitoring
- adjust valve/ % trim of adjust
- emitting diode is part of the outer case (LED)contact status display, simple operation
- simple control and handling

APPLICATION:

- petrochemical industry
- power-engineering
- hydraulics

TECHNICAL PARAMETERS:

- temperature ranges: -50-0, 0-60, 0-100, 0-120, 0-160, 0-200°C
- output signal: 4-20mA
- connection :G1/4, G1/2, M20x1,5
- accuracy class: 0,5%FS (standard)

SPECIFICATION:

Temperature switch THTS2 enable digital temperature measurement and regulation with display on LCD panel, output 4-20mA and switching contacts. For temperature scanning the THTS2 uses temperature sensor Pt100 or similar. By means of inbuilt transducer it converts the measured value onto an analog output, see technical parameters.

THTS2 then evaluates the outcomes by two relay outputs, that may be set individually. THTS2 features simple control. Wide application of THTS2, used for temperature measurement of liquids in petrochemical industry, power engineering, hydraulics, etc.

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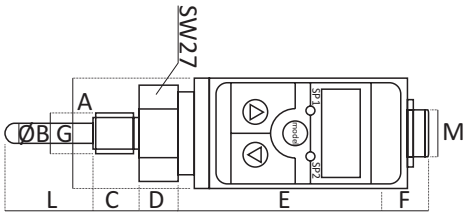
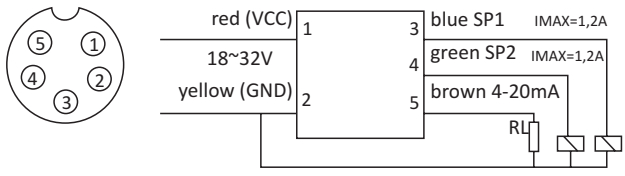
TECHNICAL PARAMETERS			
Medium	gas or liquid suitable for direct contact with stainless steel	Service life	>1milion switches
Temperature range	-50+200°C	Power input	<3W
Output signal	4-20mA	Loading	<24V; 1,2A
Accuracy class	0,5%FS (standard)	Connection	G1/4, G1/2, M20x1,5
Display accuracy	0,1%FS	Electric. connect.	waterproof
Stability	0,2%FS/year	Connection mater.	st. steel 17 248/1.4541/321
Supply voltage	18-32V DC	Relative humidity	0-80%
Environ. temp. range	-30+70°C	Protection	IP 65
Storing temperature	-20+100°C		

THTS2				
	Range	Measuring range: -50+200°C		
	(X1-X2)°C	X - lower limit; X2 - upper limit of the measuring range		
		Code	Connection	
		P1	G1/4	
		P2	G1/2	
		P4	M20x1,5	
		Pz	on request	
			Code	Accuracy class
			E1	DIN 43650
			E2	cable connector
			E3	M12 connector
			Ez	on request
				Code / Length L (mm)

THTS2	(0-100)°C	P2	E3	50
	Range	Connection	El. connection	Length

Wiring diagram





Dimensions in mm									
A	B	C	D	E	F	G	M	SW	L
36	6	15	13	75	7	G1/4	M12x1	27	