



Switching point and analog output

Measuring range

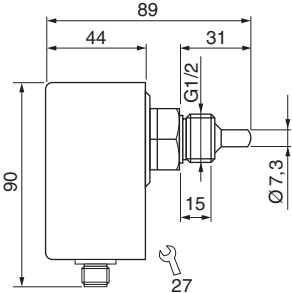
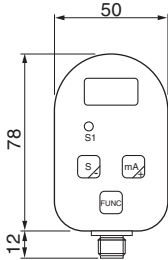
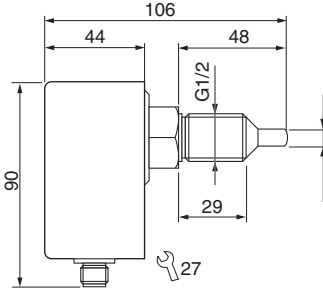
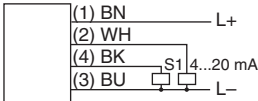
-40 °C...+120 °C / -40 °F...+248 °F

Switching point and analog output,
hysteresis and temperature window
easily programmable

Rotable display

Switch-over °C - °F



Design	DC • G1/2 • L= 31 mm		DC • G1/2 • L= 48 mm	
Dimensions	  			
Detection range	-40...+120 °C (-40...+248 °F)			
Output	 PNP NC/NO +  4...20 mA			
ID-No.	P71019		P71020	
Type	TN 552 GAPP		TN 552/1 GAPP	
Supply voltage	[V]	24 DC ±10%		
Current consumption	[mA]	<200		
Voltage drop	[V]	<2.5		
Analog output	[mA]	4...20, scalable, Detection range min. 16 °C / 29 °F		
Switching current	[mA]	200		
Ambient temperature	[°C]	-20...+60		
Medium temperature	[°C]	-40...+120		
Response time	[s]	typ. 10		
Resolution display	[°C/°F]	0.1 / 0.5		
Range limit values	[°C/°F]	-39...+120 / -39...248		(0.5 / 1 Step)
Range hysteresis	[°C/°F]	0.5...99 / 1...179		(0.5 / 1 Step)
Range window	[°C/°F]	0.5...99 / 1...179		(0.5 / 1 Step)
Time delay	[s]	0...50		(0.5 / 1 Step)
Programmable functions	one switching point, hysteresis / window, switching output NC / NO, MIN- / MAX- memory function			
Compressive strength	[bar]	100		
Housing material	housing: PBT sensor: AISI 316 Ti			
Protection	[EN 60529]	IP 65		
Connection	M12 connector			
				
Accessories	see page 7.10			