

TEMPERATURE CONTROLLER

**Compact model with analog output
and switching point**



Temperature monitoring of fluids

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

Programmable switching point

Analog output 4...20 mA

Hysteresis or window-funktion

NC/NO programmable

Time delay function

MIN- /MAX- memory function

Rotable display



Design	DC • G1/2 • L= 31 mm		DC • G1/2 • L= 48 mm	
Dimensions				
Detection range	[°C/°F] -40...+120 °C (-40...+248 °F)			
Output				
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 output	PNP, 200 mA			
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)	
Compressive strength	[bar] 100			
Sensor material	AISI 316 Ti			
Housing material	PBT			
Protection	[EN 60529] IP 65			
Connection	M12 connector			
	(1) BN ————— +U (2) WH ————— +U (4) BK ————— S1 4...20 mA (3) BU ————— -U			
Accessories	see page 7.05			