

Description



The temperature transmitter serie TTI measures the room temperature by a sensor and converts the value into a linear output signal 0...10 VDC o 4...20 mA.

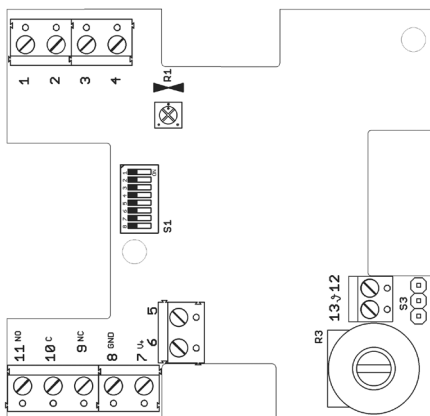
Technical specifications

Measurement range	See configurator
Accuracy	±0,2°C + max 3% FS
Sensor	PT1000 Class B (2-wire)
Power supply	12...34 VAC/DC
Working resistance at 0...10 V DC	10...100 kOhm
Working resistance at 4...20 mA	50...500 Ohm
Current consumption	24...44 mA
Electrical connection	Screw terminals max. 1,5 mm ²
Display	Optional, display the actual temperature
Dimensions	See drawing
Housing	ABS, RAL 9010
Protection type	IP20
Protection class	III
Installation	Screw fastening
Standards	CE conformity, RoHS



Model	Output	Version
TTIC	4...20 mA	
TTICD	4...20 mA	with display
TTIV	0...10 V DC	
TTIVD	0...10 V DC	with display

Electrical wirings



Output 0...10 V		Output 4...20 mA	
PIN	Assignment	PIN	Assignment
1	Temp.	1	-
2	-	2	-
3	-	3	Temp.
4	-	4	-
7	+	7	+
8	GND	8	GND



Settings

Temperature range selection	Range	1	2	3	4	5	6	7	8	Temperature range selection	Range	1	2	3	4	5	6	7	8
	-100...+50°C	OFF	OFF	OFF	OFF	OFF	OFF	-	-		-	-10...+120°C	OFF	OFF	ON	ON	OFF	-	-
-50...0°C	ON	OFF	OFF	OFF	OFF	OFF	-	-	-	0...+40°C	ON	OFF	ON	ON	OFF	-	-	-	-
-50...+50°C	OFF	ON	OFF	OFF	OFF	OFF	-	-	-	0...+50°C	OFF	ON	ON	ON	OFF	-	-	-	-
-50...+150°C	ON	ON	OFF	OFF	OFF	OFF	-	-	-	0...+70°C	ON	ON	ON	ON	OFF	-	-	-	-
-30...+20°C	OFF	OFF	ON	OFF	OFF	OFF	-	-	-	0...+100°C	OFF	OFF	OFF	OFF	ON	-	-	-	-
-30...+60°C	ON	OFF	ON	OFF	OFF	OFF	-	-	-	0...+150°C	ON	OFF	OFF	OFF	ON	-	-	-	-
-30...+70°C	OFF	ON	ON	OFF	OFF	OFF	-	-	-	0...+160°C	OFF	ON	OFF	OFF	ON	-	-	-	-
-20...+50°C	ON	ON	ON	OFF	OFF	OFF	-	-	-	0...+200°C	ON	ON	OFF	OFF	ON	-	-	-	-
-20...+80°C	OFF	OFF	OFF	ON	OFF	OFF	-	-	-	0...+250°C	OFF	OFF	ON	OFF	ON	-	-	-	-
-20...+120°C	ON	OFF	OFF	ON	OFF	OFF	-	-	-	0...+400°C	ON	OFF	ON	OFF	ON	-	-	-	-
-20...+150°C	OFF	ON	OFF	ON	OFF	OFF	-	-	-	0...+600°C	OFF	ON	ON	OFF	ON	-	-	-	-
-10...+15°C	ON	ON	OFF	ON	OFF	OFF	-	-	-	+10...+35°C	ON	ON	ON	OFF	ON	-	-	-	-

Dimensions (mm)

