



Description

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

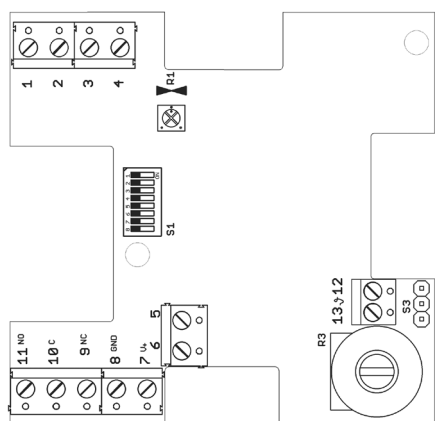
Technical specifications

| | |
|--|--|
| Measurement range | See configurator |
| Accuracy | ±0,2°C + max 3% FS |
| Sensor | PT1000 Class B (2-wire) |
| Power supply | 12...34 V AC/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

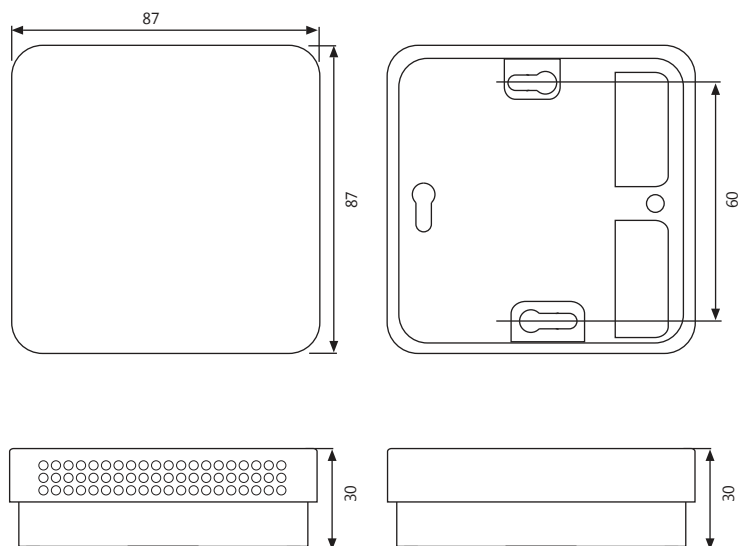


| Output 0...10 V | | Output 4...20 mA | |
|-----------------|------------|------------------|------------|
| PIN | Assignment | PIN | Assignment |
| 1 | Temp. | 1 | - |
| 2 | - | 2 | - |
| 3 | - | 3 | Temp. |
| 4 | - | 4 | - |
| 7 | + | 7 | + |
| 8 | GND | 8 | GND |

Settings

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

Dimensions (mm)



The contents are subject to revision or change without notice.