

# Temperature transmitters

## Temperature transmitter

Temperature transmitter for room/wall-mounting. Room-mounting transmitter has two versions: with or without display.



Room mounting



Wall mounting



Wall mounting with display

| Technical data    |  |
|-------------------|--|
| Temperature range | 0...50°C   |
| Output            | 0...10 V DC or 4...20 mA   |
| Accuracy          | +/-0.3°C, (TRT50...+/-0.7°C)   |
| Protection class  | IP30 (room casing), IP65 (wall casing)   |
| Supply voltage    |  |
| TRTN and TRTN-D   | 24 V AC or 15...40 V DC, 1 VA  |
| TRTN-420          | Max 28 V. Min 10+0,02xRL where RL is the circuit loop resistance (RL<500 ohms) |
| TRT50             | 24 V AC or 15...35 V DC, 1 VA  |
| TRT50-420         | 20...35 V DC   |

| Description                | Output signal | Protection class | Type      | Notes |
|----------------------------|---------------|------------------|-----------|-------|
| Room-mounting              | 0...10 V DC   | IP30             | TRTN      |       |
| Room-mounting with display | 0...10 V DC   | IP30             | TRTN-D    |       |
| Room-mounting              | 4...20 mA     | IP30             | TRTN-420  |       |
| Wall-mounting              | 0...10 V DC   | IP65             | TRT50     |       |
| Wall-mounting              | 4...20 mA     | IP65             | TRT50-420 |       |

## Temperature transmitter

Temperature transmitter for immersion/duct-mounting.



| Technical data          |   |
|-------------------------|---|
| Temperature range       | 0...100°C (TLT...), 0...50°C (TDT...)         |
| Output                  | 0...10 V DC or 4...20 mA                      |
| Accuracy                | +/-0.5°C at 20°C                              |
| Insertion length        | TLT..., 75 mm, TDT..., adjustable 60...230 mm |
| Connection (TLT...)     | 1/4"  |
| Protection class        | IP65  |
| Supply voltage          |   |
| TLT130 / TDT200         | 24 V AC or 20...35 V DC, 1 VA                 |
| TLT130-420 / TDT200-420 | 20...35 V DC                                  |

| Description                                    | Output signal | Type       | Notes |
|--|---------------|------------|-------|
| Temperature transmitter for immersion-mounting | 0...10 V DC   | TLT130     |       |
| Temperature transmitter for immersion-mounting | 4...20 mA     | TLT130-420 |       |
| Temperature transmitter for duct-mounting      | 0...10 V DC   | TDT200     |       |
| Temperature transmitter for duct-mounting      | 4...20 mA     | TDT200-420 |       |