

## TS 30.10 knx TS 31.10 knx



TS 31.10 knx



TS 30.10 knx

- Sensor for temperature measurement
- Temperature sensor (Measuring range 0 - 50 °C)
- Clearly structured ETS
- Up to 5 binary and analogue inputs
- TS 31.10 knx: manual adjustment of set-point temperature (adjustment range  $\pm 3^\circ$ ; increment 0.5°). Display with LEDs.

**Following data and functions will be provided to the KNX bus and can be configured within ETS software:**

- Room temperature control
- Up to 5 binary and analog inputs

### Highlights

- Sensor for room temperature control
- Easy handling and mounting
- Modern and planar design
- Up to 5 binary and analogue inputs
- TS 31.10 knx: Set-point temperature manually adjustable (Adjustment range  $\pm 3^\circ$ )

### Additional information / accessories

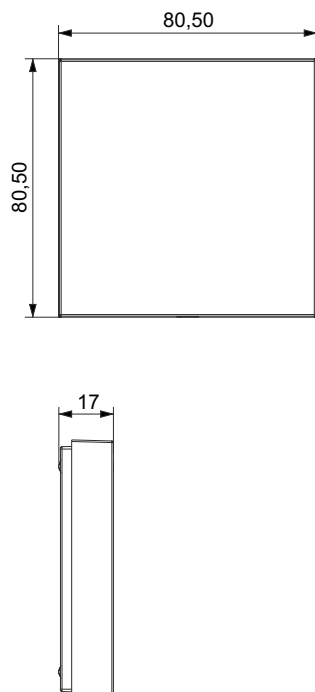
**Accessory: External temperature sensor TF06 Müller**  
with 4m cable to connect to analogue input  
of TS 31.10 knx or TS30.10 knx  
(not included in delivery / sold separately)

**Technical data TF06 Müller:**  
measuring range -15...+70°C  
sensor type: NTC 10 kilo-ohms  
sensor length: 28 mm, diameter: 7,7 mm  
cable: 4m PVC/PVC black (H03 VV-F)





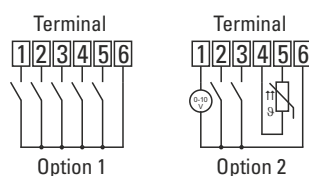
## Room temperature controls TS 3x.10 knx for wall mounting



### Technical data

Power supply	via KNX bus voltage
Bus current	approx. 10 mA
Bus system	KNX
Sensors	Temperature
Manual operation (TS31.10 knx only)	manual adjustment of set-point temperature (adjustment range $\pm 3^\circ$ ; increment $0.5^\circ$ )
Measuring range temperature	0-50 °C
Permitted ambient temperature	0°...+50°C
Housing	self-extinguishing thermoplastic
Housing color	studio white (similar to RAL 9016)
Mounting	wall mounting, preferably combined with hollow-wall box
Type of connection (KNX)	PCB Push-in terminal block
Type of protection	IP 20 (DIN EN 60529)
Class of protection	III when installed according to regulations
Type of connection external inputs	Wire diameter max. 6x 0,5 mm <sup>2</sup> , strip length 7 mm

### External inputs (binary / analogue):



### Pin assignment option 1\*:

Pin	Function
1	Binary input
2	Binary input
3	Binary input
4	Binary input
5	Binary input
6	GND

### Pin assignment option 2\*:

Pin	Function
1	0-10V / 1-10V
2	Binary input
3	Binary input
4	Ext. temperature-sensor (PT1000)
5	GND
6	GND

\* Selection of input functions / options via ETS - parameter configuration

### The ETS-Software (> V4.2) of the room temperature controls TS 3x.10 knx offers:

#### Temperature:

- Value output
- Control heating / cooling (2-point and PI control)
- Alarms

and much more...



Order number	Version	Man. temp. adjustment	Sensors
TS 30.10 knx	for wall mounting	—	Temperature
TS 31.10 knx	for wall mounting	$\pm 3^\circ$ manually via Keypad	Temperature

✓ Housing colour