climate knx

KNX®

TS 30.10 *knx*
TS 31.10 *knx*

TS 31.10 knx

:hugomüller
TS 30.10 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 ± 3 °, 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 analogue 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 ± 3 °)

Additional information / accessories

**Accessory: External temperature sensor TF06 Müller
with 4 m cable to connect to analogue input
of TS 30.10 knx or TS 31.10 knx**
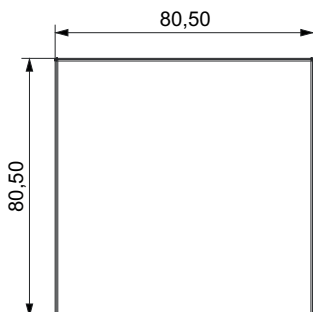(not included in delivery / sold separately)

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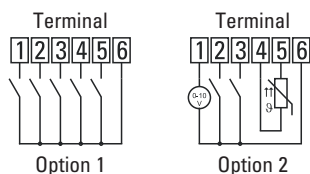sensor length: 28 mm, diameter 7,7 mm
cable: 4 m PVC/PVC black (H03 VV-F)

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

80,50

80,50

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Technical data

Power supply	via KNX bus voltage
Bus current	< 10 mA
Bus system	KNX
Sensors	temperature
Manual operation	manual adjustment of set-point temperature
(TS 31.10 knx only)	(adjustment range ± 3 °; increment 0,5 °)
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, preferrably 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. 6 x 0,5 mm², strip length 7 mm

The ETS-Software (> 4.2) 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…

External inputs (binary / analogue):

Terminal

|1|2|3|4|5|6|

Terminal

|1|2|3|4|5|6|

Option 1

Option 2

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

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

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Order number	Version	Man. temp. adjustment	Sensors
◸ **TS 30.10 knx**	for wall mounting	—	Temperature
◸ **TS 31.10 knx**	for wall mounting	± 3° manually via Keypad	Temperature

◸◿ Housing colour

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