

**TDS12250WH**

**TELETASK Temperature sensor**

This temperature sensor is to be used to control heating and cooling. It can also be used only to indicate the environment temperature on a display.

**APPLICATION**

Measuring room temperatures.  
One sensor is to be used per temperature zone.  
One sensor can be used for both cooling and heating in the same temperature zone.  
To be connected to a TELETASK "analog" input.

**CHARACTERISTICS**

Temperature measure range:  $-40^{\circ}\text{C} > +80^{\circ}\text{C}$   
Sensor to be connected with 3 wires

**Order number**

TDS12250WH – white front

**INSTALLATION**

Horizontal mounting on a flat surface, about 1.5 meter height.  
Sensor can be placed in front of the wall or inside the wall using 45x45mm or 55x55mm frames.  
Ideal build-in height: 1,5m – 10 to 15 cm away from any door.

- ! Remark: Make sure that eventual draught in the wall box does not influence the temperature measurement. To avoid draught in the wall box, close the flexible tube of the wire with silicone and isolate the wall box.
- ! Remark: When the sensor is built in the wall the measurement can be influenced by the temperature of the concrete wall.
- ! Do not mount to close to a door opening, (minimum 15cm), to a window, on an outdoor wall or to a heating/cooling source.

**CONNECTIONS**

By shielded cable, containing three wires (+12V/0V/signal).  
When more than one sensor is connected with the same cable, the signals should be shielded separately.  
Maximum cable length is 50m.  
Min. wire section:  $0.25\text{mm}^2$   
Connect the sensor cable shielding to the AUTOBUS shielding.  
By means of three screw terminals.

**POWER CONSUMPTION**

Max. 4 mA

**DIMENSIONS**

55 W x 55 H x 21 D (mm)

**GROSS WEIGHT**

0,040 kg

**PACKAGING CONTENT**

TDS12250WH

**STORAGE**

**Temperature**

$-20^{\circ}\text{C}$  to  $+65^{\circ}\text{C}$

**Relative humidity**

15% to 85%

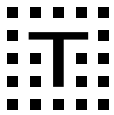
**IP PROTECTION RATE**

IP20

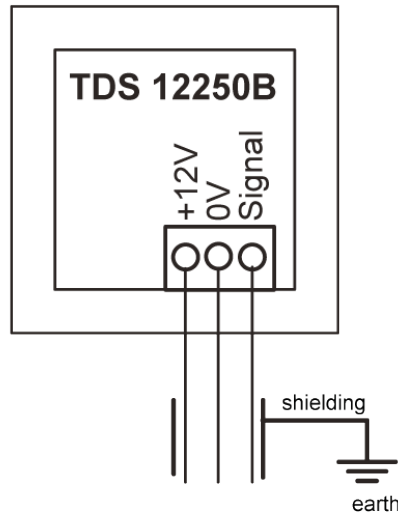
**OPERATING RANGE**

**Temperature**

$-40^{\circ}\text{C}$  to  $+80^{\circ}\text{C}$  max.



**SCHEMATIC DRAWING**



Shielded cable, to be connected to earth at the central unit or at the analog input interface (AUTOBUS shielding).  
Only one sensor per cable or per shielding (multi shielded cable)  
**Max. cable length: 50m**

**Installation**

	<b>1</b> <i>Open the sensor</i>	<b>2</b> <i>Mount the frame</i>	<b>3</b> <i>Connect and close</i>
<p>On Wall mounting</p>		<p>Max. 3.5x35</p>	
<p>45x45 frame in wall</p>			
<p>55x55 frame in wall</p>			

Use optional kit TDS90260