



techsystem

automatyka klimatyzacja wentylacja

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**TS-9101-810x TEMPERATURE TRANSDUCER WITH
REMOTE ELEMENT**



IMPORTANT: This Transducer is to be used for Return air temperature sensing in a Fan-Coil unit. An accessory Well TS-9100-8905 or TS-9100-8915 is needed for immersion mounting.

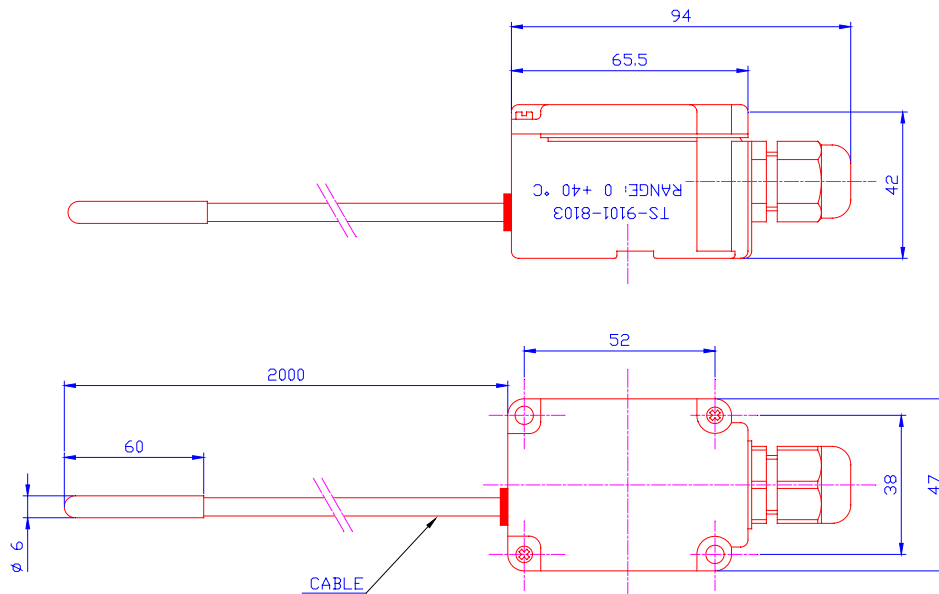
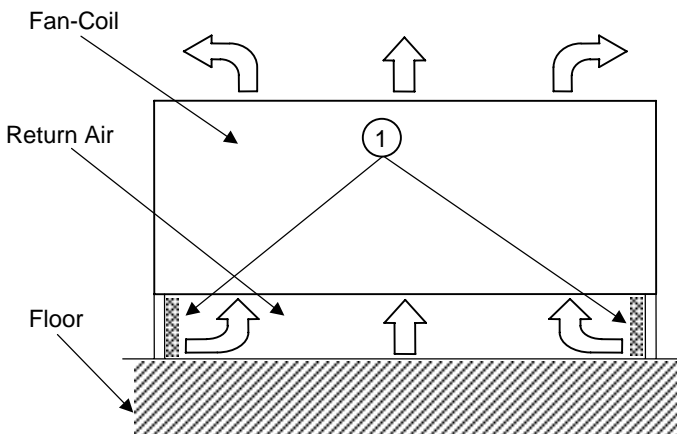


Figure 1: Mounting Dimension of TS-9101-8103

FAN-COIL UNIT MOUNTING



WARNING: Return air temperature in a Fan-Coil can be different from the room temperature up to ± 2 °C (Heating or Cooling Conditioning). The Transducer Output is influenced by the selected Fan Speed and by the placement of the Sensor.



1. Place the Sensor (Position 1) close to one side of the Fan-Coil to reduce the influence of air speed on Transducer Output (See Figure 2). Choosing the Sensor placement as indicated in Figure 2 allows an air speed error less than 3%. Choosing a central position for Sensor placement means a higher error due to air speed.

Figure 2 : Position of Sensor in Fan-Coil

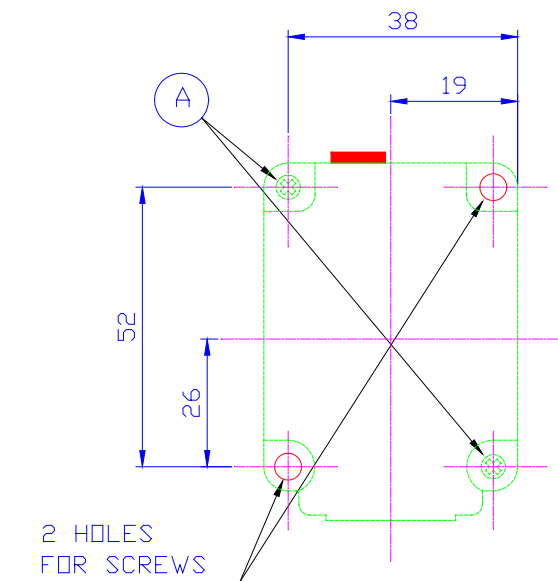


Figure 3: Mounting dimensions of enclosure

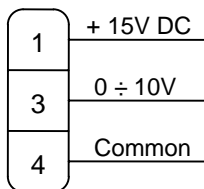


Figure 4: Electrical Connections

1. For enclosure mounting respect dimensions shown in Figure 3.
2. Loosen two screws "A" and remove the cover (See Figure 3).
3. Connect wires as shown in Figure 4.
NOTE: Use shielded cable if longer than 3 meters.
4. Reposition cover and lock two screws "A".

IMMERSION MOUNTING



IMPORTANT: Insert the Remote Element into the accessory Well (TS-9100-8905 or TS-9100-8915) and fix it as reported on its own Installation Instructions Sheet.
For enclosure mounting and wiring connections follow the same instructions reported for the Fan-Coil Unit mounting.