STD410



SPECIFICATIONS

Standards

EMC..... EN 50081-1, EN 50082-1

Duct Average Temperature Transmitter 0-10 V

STD410 is an electronic average transmitter that converts the average from temperature measurements in to one electric signal 0-10 V.

The transmitter is used for temperature measurement in air ducts.

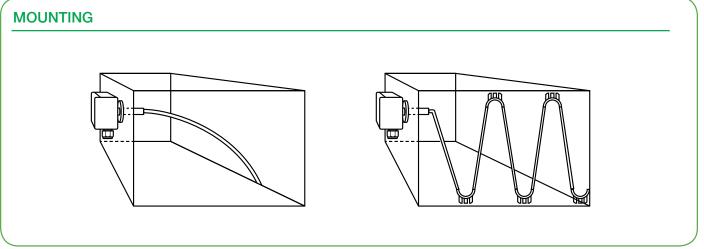
Two versions available:

- The transmitter with an immersion length of 0.4 m. The measure is done in 5 points equally spread over the length. A copper tube protects the 5 measuring points. The tube can be bent (max R = 50 mm) to fit in the duct.
- For lager ducts use the transmitters with immersionlength of 3 m or 6 m. The measurement is done over entire sensor length.

The transmitter is delivered as a complete unit, comprising a junction box with amplifier and sensors.

The transmitter shall be connected with a 3-wire cable.





PART NUMBER

| Part Number | Model Number | Range | | NL | | Weight | |
|-------------|----------------|--------|---------|-----|------|--------|------|
| | | °C | °F | m | yd. | g | lb. |
| 006920840 | ST410-04 0/100 | 0/100 | 32/212 | 0.4 | 0.44 | 130 | 0.29 |
| 006920860 | ST410-04 50/50 | -50/50 | -58/122 | 0.4 | 0.44 | 130 | 0.29 |
| 006920880 | ST410-30 0/100 | 0/100 | 32/212 | 3 | 3.3 | 135 | 0.30 |
| 006920900 | ST410-30 50/50 | -50/50 | -58/122 | 3 | 3.3 | 135 | 0.30 |
| 006920920 | ST410-60 0/100 | 0/100 | 32/212 | 6 | 6.6 | 155 | 0.34 |
| 006920940 | ST410-60 50/50 | -50/50 | -58/122 | 6 | 6.6 | 155 | 0.34 |

WIRING AND ADJUSTMENTS

Cable: 0.2-1.5 mm2.



Note: Avoid contact with the sensor terminals if the connection wires are live.

The transmitter is factory calibrated for the required range within the specified accuracy, prior to delivery. Any further calibration should normally not be necessary. The sensor and the electronic unit are calibrated together. If either of these are replaced, the transmitter is no longer in calibration.

The built in amplifier is equipped with two trim potentiometers:

- ZERO to adjust the lower end of the range, 0 V.
- SPAN to adjust the upper end of the range, 10 V.

When calibrating, adjust ZERO first and then SPAN. Because of a certain degree of interaction, the adjustment process must be repeated several times.

