

# STD670



## PART NUMBER

Part Number	Model Number
5126040000	STD670

## SPECIFICATIONS

Temperature Range .....-5 to 40°C  
(non adjustable)

Associated Controllers ..... CZU (DS 2.201),  
IAC (DS 2.801), URC (DS 13.301), MN  
350-MN 650 (DS 10.101-DS 10.104)

Sensing Element ..... Negative Temperature  
Coefficient (NTC) Thermistor.  
For sensor characteristics (non linear)  
see table below.

Wiring ..... 2 wire fly lead, low voltage dc  
non polarised.

### Ambient Temperature Limits

Operating: .....-40 to 70°C

### Housing

Plastic Moulding ..... Polyamide (PA6)

Screw ..... No. 6 x 1¼" Posidrive

Fly lead ..... 2 core 1.5m long

## SENSOR CHARACTERISTICS

Temperature(°C)	Resistance (Ω)
-5	8093
0	7661
5	7182
10	6667
15	6126
20	5573
25	5025
30	4492
35	3987

## Fan Coil Unit Air Temperature Sensor

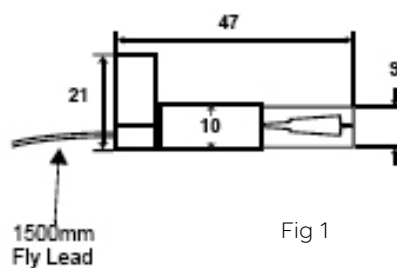
The STD670 temperature sensor is specifically designed for use in the return air space of terminal units.

STD is made from a single moulding which includes the fixing screw mounting. This offers a mounting style which eases installation.

## FEATURES

- Simple fixing
- Compact size
- 1.5m Fly lead
- Head can be rotated to suit conduit entry point.
- Small physical size.
- Simple wiring connections.
- Simple commissioning.
- IP 65 as standard.

## DIMENSIONS mm (in)



## INSTALLATION

1. Select a location where the temperature sensitive part of the tube is fully immersed in the controlled air stream.
2. Screw the STD670 sensor directly into the duct using the screw provided.

Note: If the STD protrudes out of the duct, the wire end of the STD tube should be blocked to stop the controlled temperature from being altered by the main ambient air.

3. Check that the flying lead does not rub where it exits the duct. If the lead rubs use a grommet or another suitable protective item.
4. Connect the 2 wires (non polarised) to the controller, ensure that the wire is not stretched or pulling across sharp edges.

## WIRING PRECAUTIONS

Refer to the datasheet relevant to the controller to which sensor is to be connected (see table on page 2).

Maximum resistance, 15 $\Omega$  per core.

## CAUTIONS:

- Do not apply any voltages until a qualified technician has checked the system and the commissioning procedures have been completed.
- This sensor must only be used in conjunction with the appropriate controllers.
- Observe wiring precautions given on the datasheet for the controller that the sensor will be connected to.
- Do not exceed the maximum ambient temperatures.
- Interference with parts under sealed covers invalidates the guarantee.
- Design and performance of equipment is subject to improvement and therefore liable to alteration without notice.
- Information is given for guidance only and we do not accept responsibility for the selection and installation of products unless information has been given in writing relating to a specific application.
- A periodic system and tuning check of the control system is recommended. Please contact your local sales office for details.