



The ZATS is a duct mounted averaging sensor for measuring temperature in air-conditioning ducts. Using resistance temperature sensing elements, it provides a cost effective solution for simple temperature measurement.

- Output signal Pt100, Pt1000, NTC10k
- Accuracy +/- 0.3°C
- Measuring range -30..+70°C
- Quick response time

Function

ZATS is intended for mounting in air-conditioning ducts for measuring average air temperature.

The sensor is supplied with 4 sensors equally spaced in a 2 metre long cable. The cable should be stretched across the measuring duct and hold down with clamps or cable ties to prevent the cable from flapping with the air flow.

The sensor should be mounted at a location where the air flow is constant to measure the average temperature.

If possible, mount the unit away from air turbulences and away from immediate cooling coil to avoid water condensation.

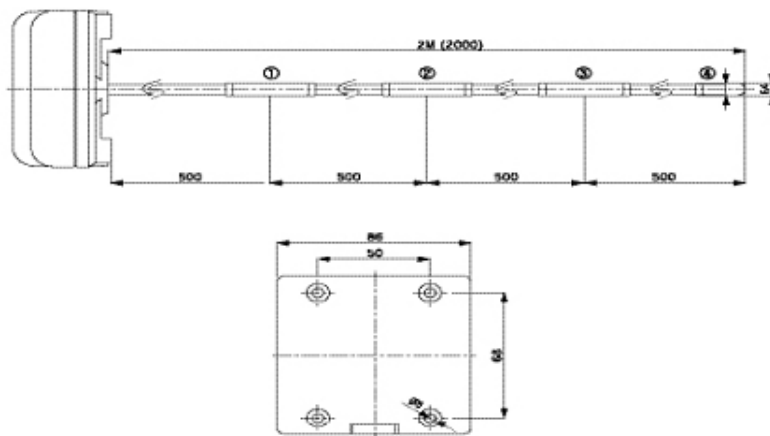
Model

| | No. of Wires | Sensor type |
|-------------|--------------|-------------|
| ZATS-Pt100 | 3 wire | Pt100 |
| ZATS-Pt1000 | 2/3 wire | Pt1000 |
| ZATS-NTC10k | 2 wire | NTC10k |

Technical Data

| | | | |
|---------------------|--------------------------|--------------------------|--------------------------|
| Sensing Element | PT100 | PT1000 | NTC10K |
| Sensing Range | -30 ~ +70°C | -30 ~ +70°C | -30 ~ +70°C |
| Accuracy | +/- 0.3°C | +/- 0.3°C | +/- 0.3°C at 25°C |
| Wiring | 3 Wire | 2/3 Wire | 2 Wire |
| Sensing Time | 30 sec at 2 m/s velocity | 30 sec at 2 m/s velocity | 30 sec at 2 m/s velocity |
| Cable Length | 2 metre | 2 metre | 2 metre |
| Working Temperature | -30 ~ +150 °C | | |
| Storage Temperature | -10 ~ +80 °C | | |
| Ambient Humidity | 5 ~ 95 % Rh | | |
| Protection Class | IP 42 | | |
| Weight | 0.25 Kg | | |
| Dimension | 86(w) x 86(h) x 43(d) mm | | |

Dimensions



Wiring

