



The ZDTS is a duct mounted 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..+130°C
- Quick response time

#### Function

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

The sensor is supplied with a duct mounting bracket for easy insertion and removal of the sensor and is available with different sensor types, 2 or 3 wire.

The sensor should be mounted at a location where the

air flow is constant to measure the average spot temperature.

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

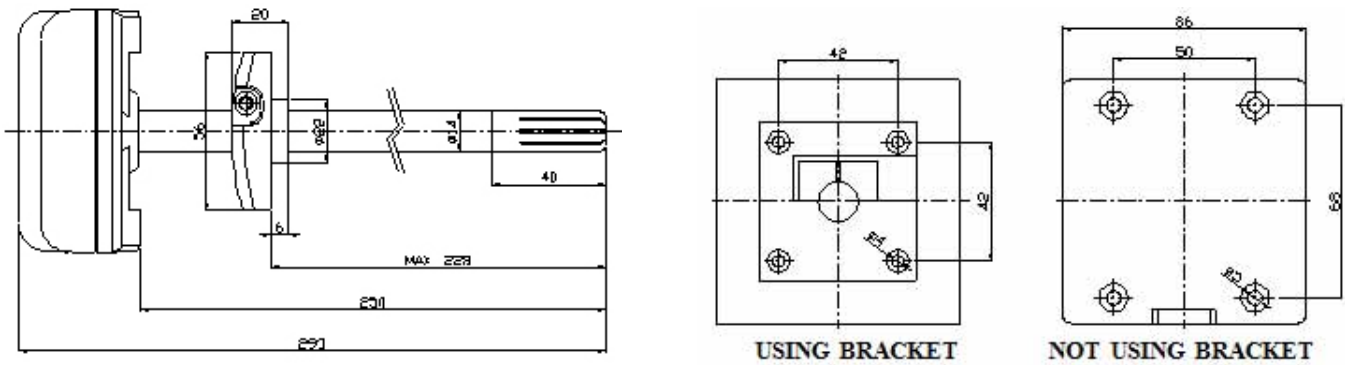
#### Model

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

## Technical Data

Sensing Element	PT100	PT1000	NTC10K
Sensing Range	-30 ~ +130°C	-30 ~ +130°C	-30 ~ +130°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
Working Temperature	-30 ~ +150 °C		
Storage Temperature	-10 ~ +80 °C		
Ambient Humidity	5 ~ 95 % Rh		
Protection Class	IP 54		
Weight	0.17 Kg		
Dimension	86(w) x 86(h) x 43(d) mm		

## Dimensions



## Wiring

