



**The ZDHT is a duct mounted transmitter for measuring humidity in air-conditioning ducts**

- Output signal 4 ... 20 mA or 0-10 VDC
- Accuracy +/- 2%
- Measuring range 10 ... 90%
- Quick response time

#### Function

ZDHT is intended for mounting in air-conditioning ducts for measuring air humidity.

The transmitter is supplied with a duct mounting bracket for easy insertion and removal of the transmitter and is available with 4 ... 20 mA current output signals, 2 or 3 wire and 3-wire 0-10 VDC.

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

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

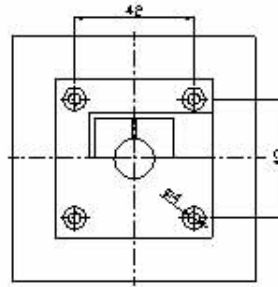
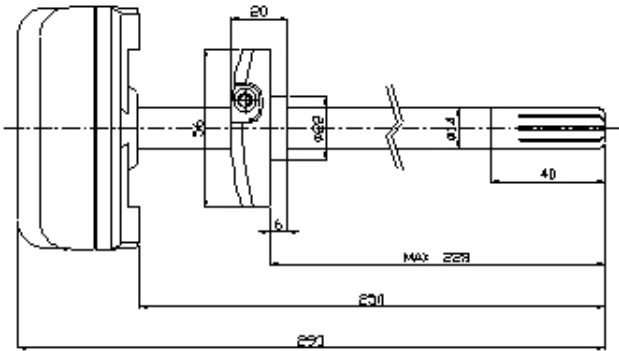
#### Model

	No. of Wires	Output
ZDHT-420/2	2 wire	4...20mA
ZDHT-420/3	3 wire	4...20mA
ZDHT-010/3	3 wire	0-10VDC

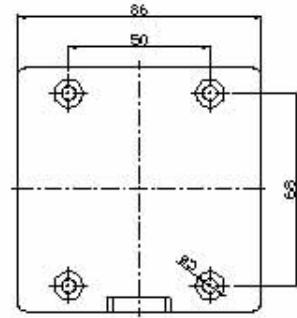
## Technical Data

Supply Voltage	DC 15 ~ 30V	Working Temperature	-10 ~ +60 °C
Output Signal	4 ~ 20 mA or 0-10 VDC	Storage Temperature	-10 ~ +80 °C
Range	0 ... 100% RH	Ambient Humidity	5 ~ 95 % Rh
Sensing Element	Capacitive Polymer Cell	Protection Class	IP 30(EN60529)
Accuracy	+/- 2%, at 10 ... 90% RH	Weight	0.29 Kg
Wiring	2/3 Wire	Dimension	86(w) x 86(h) x 43(d) mm
Sensing Time	4 ... 5 Sec.		

## Dimensions



USING BRACKET



NOT USING BRACKET

## Wiring

