



## Temperature and Humidity Transmitter

Wide range humidity measurement for indoor environments

### Model THT-N Series

THT-N Series is the best detector for indoor measurement of temperature and humidity. It comes with a reliable, proven macro-molecule humidity sensor and has durable enclosures for factory, plant and building automation applications. It has two wire, loop powered 4 to 20mA (0 to 100%rh) linear current output. It is high precision enable a highly stable indication for recording and controlling temperature and humidity.

#### Characteristics

Model	THT-N163B	THT-N263B
Mounting system	Space mounting	Duct mounting
Humidity Sensor	Shinyei Humidity Sensor HPR-MQ	
Input Voltage	12 to 24VDC	
Operating Temperature Range	0 to 50deg.C	-20 to 60 deg. C (sensor) 0 to 50deg. C (electronics)
Operating Humidity Range	99%rh or less, non-condensing (sensor) 95%rh or less, non-condensing (electronics)	
Humidity Output	4 to 20mA Linear output for 0 to 100%rh full scale	
Humidity Measurement Accuracy	+/-3%rh (at 25deg. C, from 20 to 95%rh) +/- 2%rh is available	

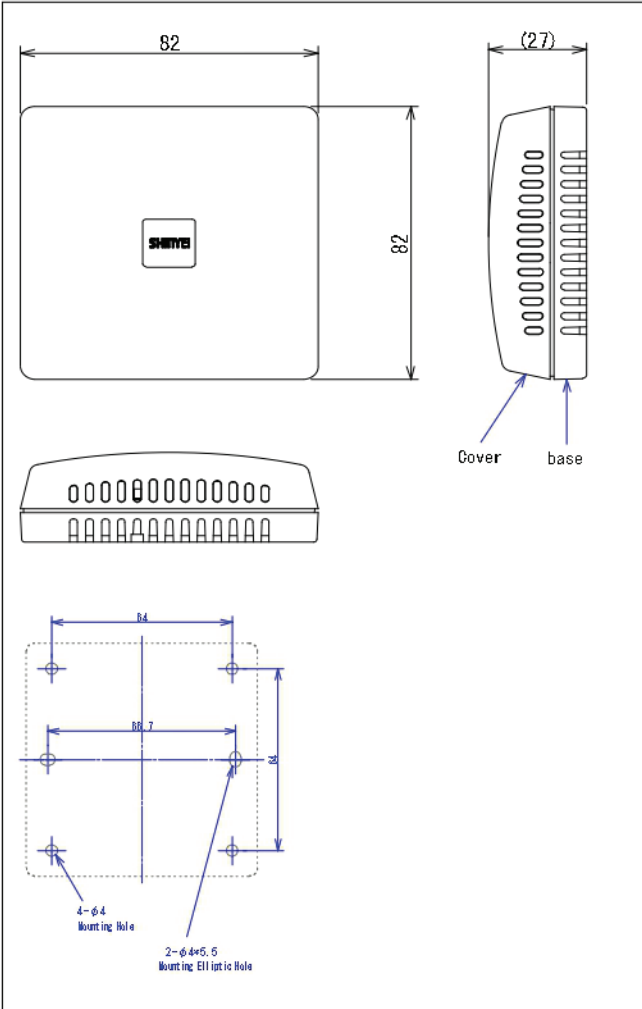
#### Connections

Humidity		
HUM +	[+]	2 wires, loop powered
HUM -	[-]	
Temperature		
TMP +	[+]	2 wires, loop powered
TMP -	[-]	

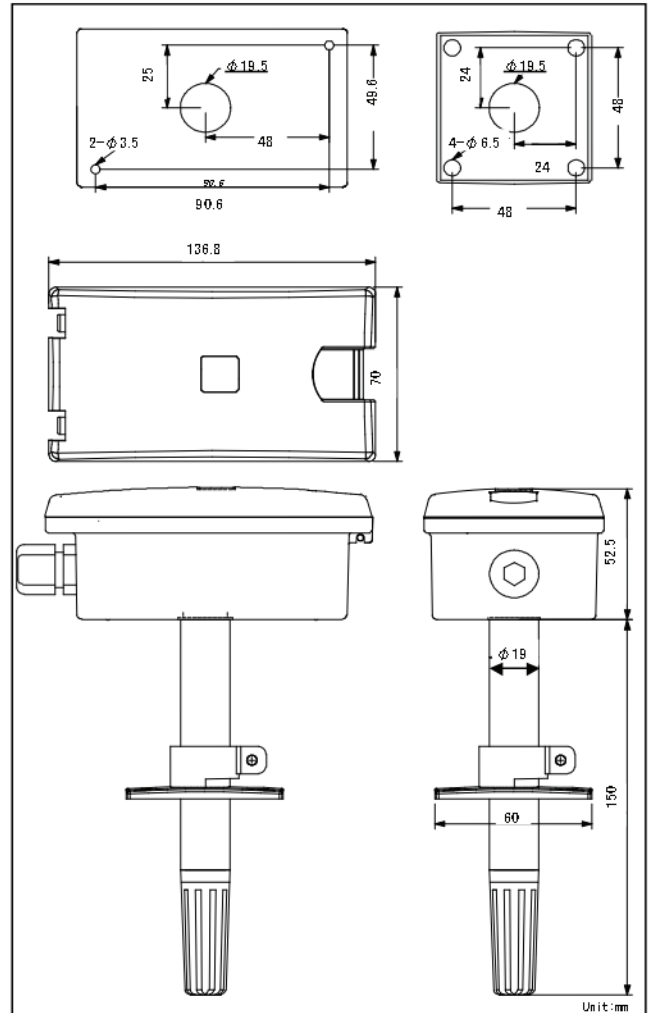
Specification sheet of THT-N series July 29, 2005 (Page 2 of 2)

**Configuration**

**Model THT-N162**



(unit: mm)  
**Model THT-N262**



Remark; We have the right to revise specifications and product configurations without notice. \* Flange is an option.