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-N163	THT-N263
Mounting system	Space mounting	Duct mounting
Humidity Sensor	Shinyei Humidity Sensor HPR-MQ	
Temperature Sensor	PT100 Ohm	
Input Voltage	12 to 24 VDC	
Operating Temperature Range	0 to 60deg. C	-20 to 70deg. C (Sensor) 0 to 60deg. C (Electronics)
Operating Humidity Range	95%rh or less	
Humidity Output	4 to 20mA *Linear output for 0 to 100%rh full scale	
Humidity Measurement Accuracy	Standard: +/-3%rh (at 25deg. C, from 35%rh to 85%rh) Option: +/-2%rh (at 25deg. C, from 35%rh to 85%rh)	
Temperature Output	4 to 20mA *Linear output for 0 to 50deg. C full scale	
Temperature Measurement Accuracy	+/-0.5deg. C	

Connections

Humidity

HUM +	[+]	2 wires, loop powered(VP+,VH-)
HUM -	[-]	

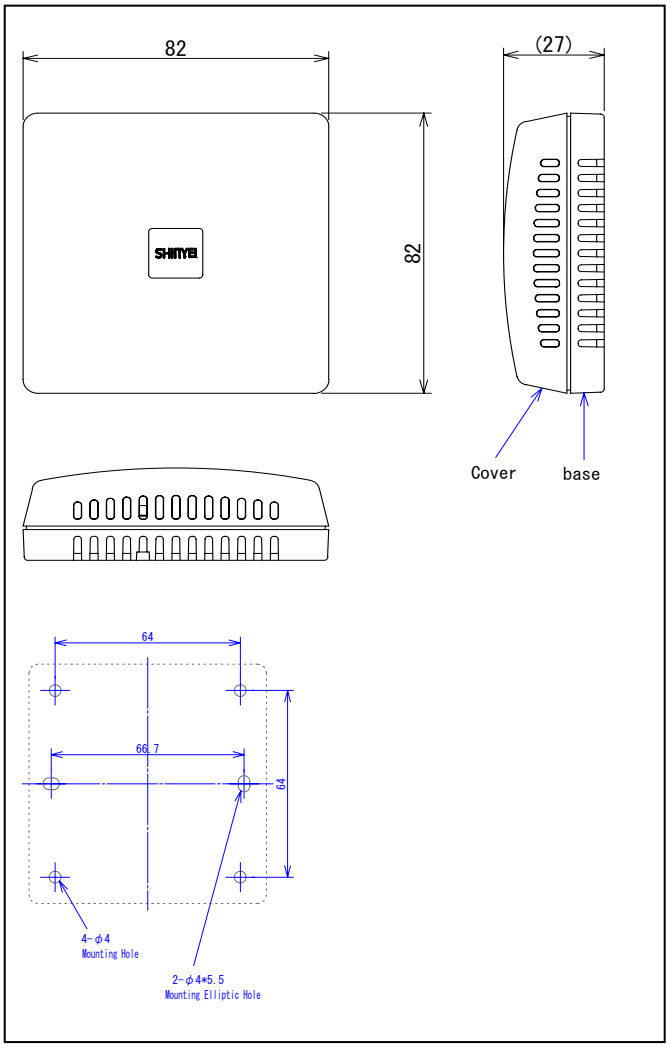
Temperature

TMP +	[+]	2 wires, loop powered(VT+,GB-,N C:nothing)
TMP -	[-]	

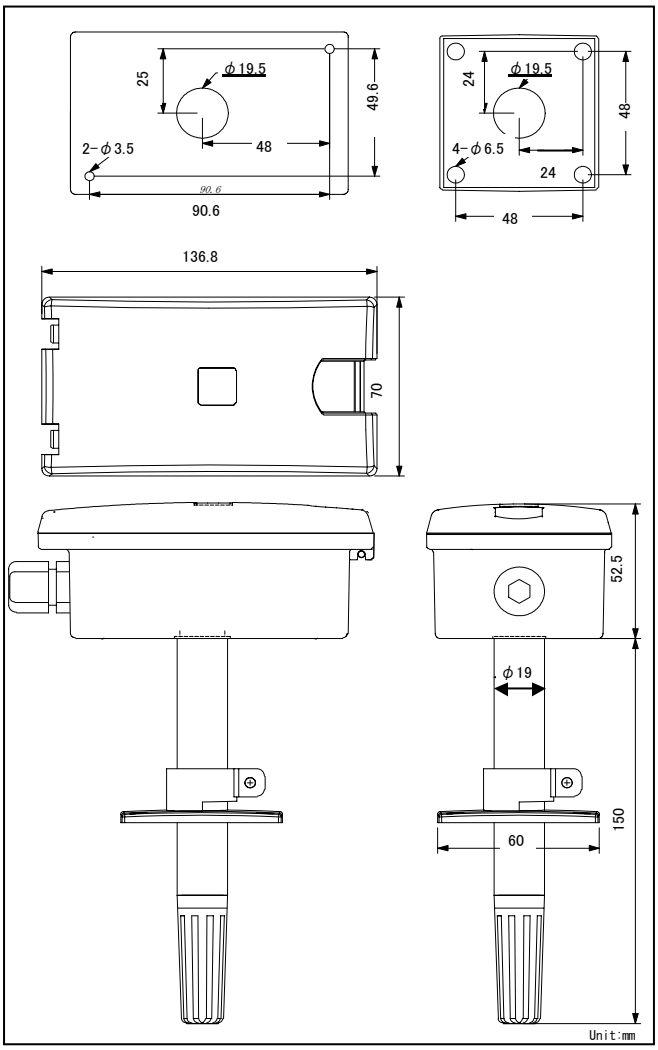
Configuration

(unit: mm)

Model THT-N163



Model THT-N263



Remark; We have the right to revise specifications and product configurations without notice.

* Flange is an option.

Caution for use

! Avoid condensation and drenching.

! Avoid application of the Humidity Sensor in the salt, inorganic gases and organic gases.

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