

# KH706 Temperature and Humidity Transmitter

## Application

KH706 is digital temperature and humidity sensor, widely used for air temperature and humidity monitoring in Medicines, food, meteorological environment, libraries, warehouse or storehouse, equipment room etc and also for industrial automation process monitoring and researching area.

## Feature

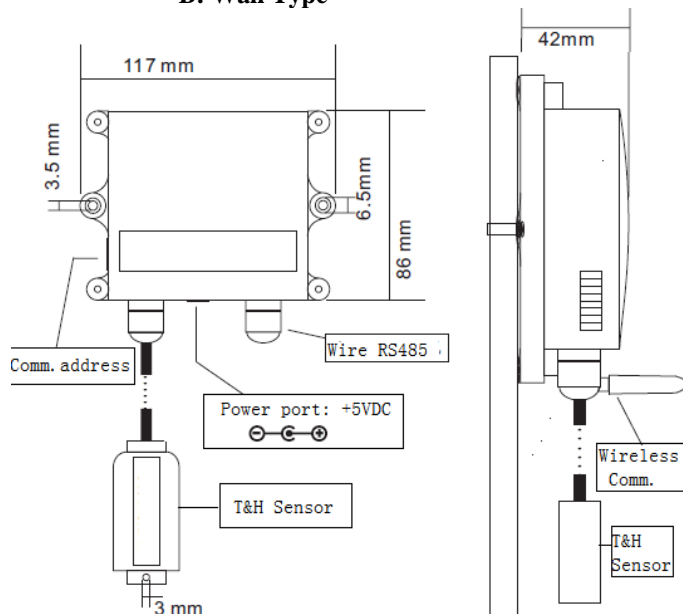
<b>High Safety</b>	Safe guider built-in to ensure system safety
<b>Wire Transmission type</b>	Standard RS485 communication port: only two signal wires needed can build a multi-dot distributed network, based on standard MODBUS-RTU protocol, can easily communicate with modern DCS, HMI, PLC etc intelligent equipment
<b>Wireless transmission type</b>	Wireless communication networks can be achieved through current 220V electricity network, supporting standard MODBUS-RTU protocol. Transmitting distance can be up to 1500m without obstacle in open area, with 433MHZ carrier frequency, without application for ISM frequency band, supporting multi-signals, without interferes with multi-modules transmission.
<b>Digitized sensor</b>	Adopts original imported digital type temperature and humidity sensor , high measuring accuracy and high stability
<b>Optional installation</b>	Wall or duct type ,optional

## Specification

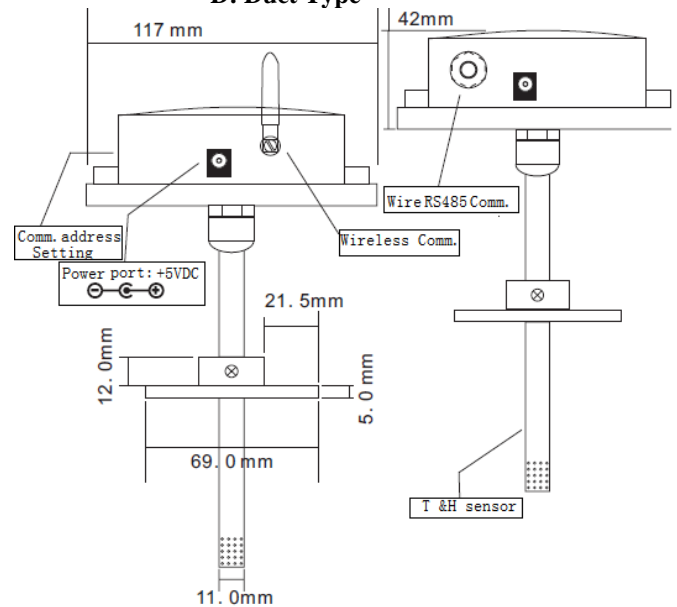
<b>Temperature resolution</b>	0.01 °C	<b>Humidity resolution</b>	0.1RH
<b>Response time</b>	8 second	<b>Temperature sample time</b>	2 second
<b>Measured range</b>	T: -40 to 120°C, H: 0-100%	<b>Communication baudrate</b>	9600bps default
<b>Accuracy</b>	T: ±0.5 °C , H: ±4.5%	<b>Working temperature</b>	-25 to 75 °C
<b>Power supply</b>	+5VDC	<b>Storage temperature</b>	-40 to 85 °C
<b>Power consumption</b>	<1.0W	<b>Storage humidity</b>	5-90% (No dew)

## Installation and Diagram

**B: Wall Type**



**D: Duct Type**



## Order Code

Function	Code									Description
Model	KH706									KH706 Temperature and humidity transmitter
Communication	L									Wire communication through RS485
	W									Wireless communication (Carrier frequency 433HZ, not needing applying for ISM frequency band)
Installation type	B									Wall type
	G									Duct type
Cable length		X								1 meter default (Please advise cable length if longer)

### Register Address Description

Inner Register Address	Data type	Data Description		Value Range
0X0000	Word	Temperature & Humidity value	Temperature	-32767 to 32767 , (with two decimal point)
0X0001			Humidity	-32767 to 32767 , (with one decimal point)
Inner Register Address	Data type	Data Description		Value Range
0x80080	Word	Sensor address		0-252
0x0081		Baud rate		0=2400 1=4800 2=9600 3=19200
0x0088		Even -old check		0=Null , 1=EvEn , 2=Odd

**Note:**

Reading function code: 0x03, writing function code: 0x06, continuous writing and reading function code: 0x10, communication address: broadcast address: 255, universal address: 254 (used for setting converter parameters), reserved address: 253

