

## Description

Wall mount transducer is applicable to all kinds of building automation, environment monitoring, HVAC systems. Product appearance is simple, direct connection terminals, convenient installation. Products use high performance embedded microprocessor, and high-precision sensors to meet all kinds of high precision, high stability of the temperature measurement requirements, and variety needs of different environments. Wall sensor / transmitter has current, voltage, 485 output signal to select, using 485 serial port output and Modbus communication protocol. It is commonly used in HVAC, electrical plant, environment monitoring, dynamic environment monitoring, agricultural environmental monitoring, meteorological environmental monitoring, environmental monitoring of biological pharmacy, airport, subway stations, hotel, museum, stadium, etc.



## Highlights

- Applicable to all types of air environmental monitoring
- HVAC systems
- Advanced circuit design, high accuracy, stable performance
- Appearance is concise, easy to install, cost-effective



## Specifications

Typical Application		Wall Mount Transducer
Output Signal Type		4-20mA, 0-10V
Output Signal Drive		>500Ω for mA mode, 75mA, max output drive for voltage mode
Power		15-24V±10% AC or DC, 1 Watt typical
Operating Temp		-30-60°C, 0-95% non condensing
Plastic Housing		Flammability rating UL 94V0 file E194560
Range	Relative Humidity	0~100% non condensing
	CO2	0-40000PPM
Accuracy	Relative Humidity	5%RH (25°C, 20-80%, RH)
	CO2	±70PPM OR ±5% of reading
Response Time	Relative Humidity	<10s (25°C, in slow air)
	CO2	20s
Size		72.2mmX64mmX38.4mm

## Part Number Scheme

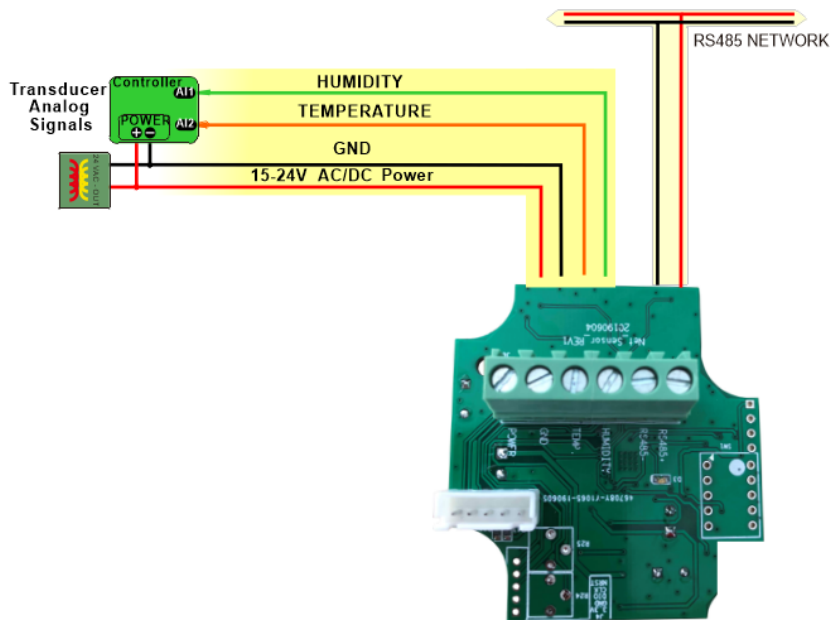
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Code	Description
XDUCER	Transducer Sensor

Code	Option
T	Temp
TH	Temp & Hum

Code	Module
D	Duct Mount
W	Wall Mount
M1	Metal 11-10 electrical box
MO	Metal outdoor electrical box
WP	Watertight plastic box

## Wiring Diagram



## Modbus Register List

Address	Register and Description
0	Serial number
4	firmware Version
6	Modbus address
7	Product model
8	Hardware version
10	0...modbus, 1...bancet
15	baudrate 0:9600 1:19200 2:38400 3:57600 4:115200
17	1=0.....10V,0=4.....20mA
18	0=0-100,1=-20....80,2=0....50,3=-50.....50
19	0=dewpoint,1=enthalpy,2=absolute humidity,3=real humidity
34	SHT 35 temperature
35	SHT 35 humidity
41	Dew point value
42	Enthalpy value

## Bacnet Object List

Supported Bacnet Object Types		
analog-value,device		
Supported Bacnet Services		
Who-is, i-am		
object-identifier, object-name, object-type,present-value,units,object-list,vendor-id, vendor-name,system-status,confirms-service,unconfirmed-service		
MSTP Object		
Analog-Value	AV0:baudrate select	
	AV1:Temperature range	0=0-100°C 1=-20....80°C , 2=0...50°C 3=-50...50°C
	AV2:Humidity range	0=dewpoint,1=enthalpy,2=absolute humidity,3=real humidity
	AV3:Protocol	0=Modbus; 1=Bacnet
	AV4:Output type	0=4~20mA, 1=0-10V
	AV5:Temperature	
	AV6:Relative humidity	
	AV7:absolute humidity	
	AV8:Dew point	
	AV9:Enthalpy	
	AV10:Temperature Offset	Range:-4.0~4.0
	AV11:Humidity Offset	Range:-4.0~4.0