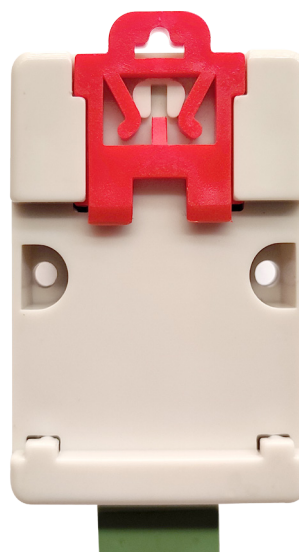
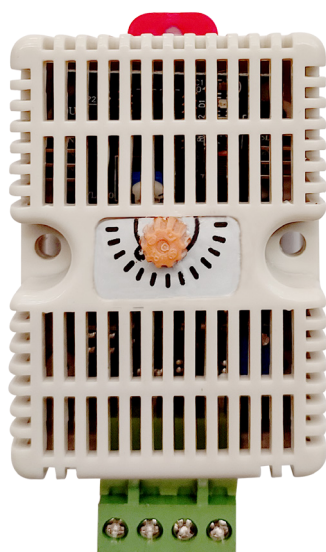


Humidity Transmitter/Controller

HTC



DESCRIPTION

HTC series humidity and temperature sensors are designed for environmental monitoring and control applications in industrial, commercial and general building. These sensors can be used for discharge, or return air control.

HTC sensor convert humidity data in to standard analog output 4-20mA / 0 -10Vdc / (RS485 Modbus RTU Optional) Relay Output & WiFi.

FEATURES

- » RS485 and Relay output for humidity
- » Excellent linearity
- » Good long term stability
- » High reliability
- » Wide sensing range
- » Easy installation

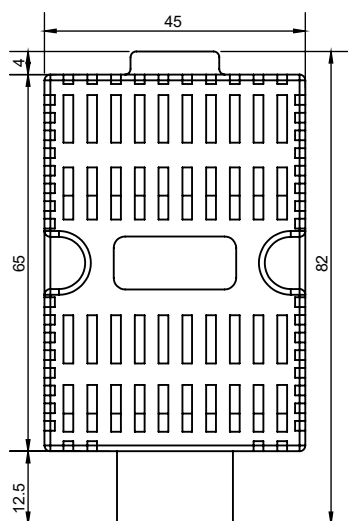
TECHNICAL SPECIFICATIONS

Relative Humidity	
Measurement Range	0 to 100 % RH
Output	4-20 mA / 0 -10Vdc/ Relay /RS485 /WiFi
Accuracy	As per below Graph
Long Term Stability	1 & 2 % RH Per year
General Specification	
Degree of Protection	Under Approval of IP20
Mechanical Specification	
Housing size	As per Dimension details
Housing Material	Plastic according to UL94 V-0, Light grey
Mounting	Wall mount / Din-rail mount
Termination	PCB Green Connector M/F
Temperature Range	-40°C to 100°C
Electrical Specification	
Operating Voltage	24 VDC $\pm$ 10%

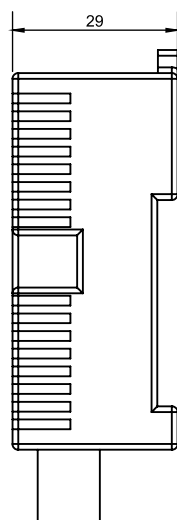
ORDERING INFORMATION

HTC		
	Humidity Out put	
0	Relay (as per set RH%)	
1	4 to 20 mA	
2	0 to 10 V DC	
3	RS485	
4	WiFi	
9	Specific requirement	
	Housing	
0	Din-rail Mounting	

DIMENSION DETAILS



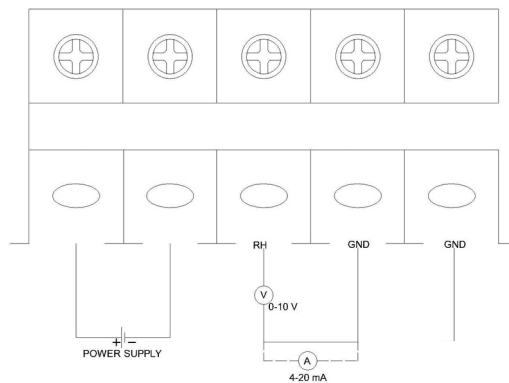
FRONT VIEW



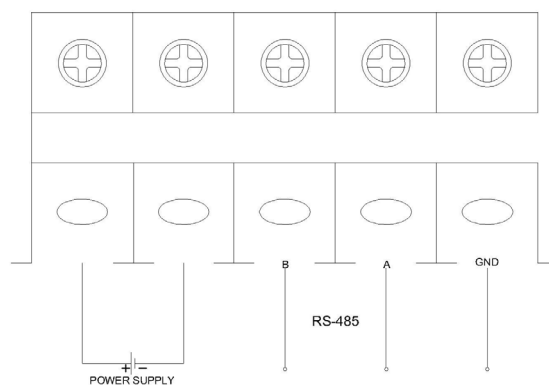
SIDE VIEW

CONNECTION DETAIL

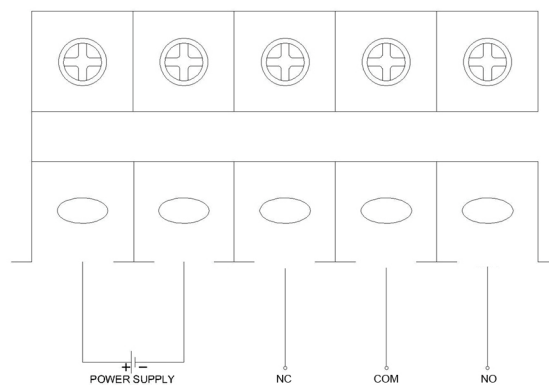
Humidity with analog outputs :



Humidity with RS485 Communication :



Humidity with Relay Output Communication* :



Note :

1. Output is voltage mode (0-10V) when load resistance is over 10kΩ.
2. Output is current mode (4-20mA) when load resistance is less than 500Ω. (500Ω is recommended)
3. Power on again after load resistor switch.
4. Field wiring AWG 18 to 24 connects to a terminal block on the PCB.
5. Maximum length 200m (current output recommended).
6. Use shielded cable for supply and output signals in environments with high levels of interference. The shield must be connected to the nearest PE point from the feeder side.
7. (*) As per Set