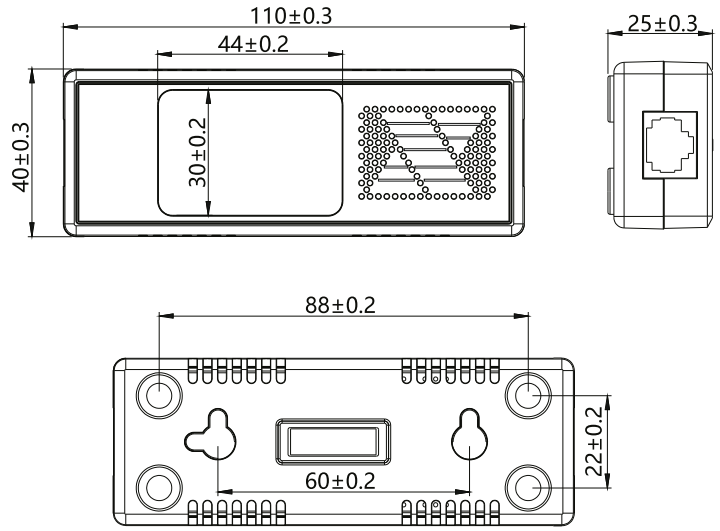
STH 300D Wall Mount
T+RH Transmitters

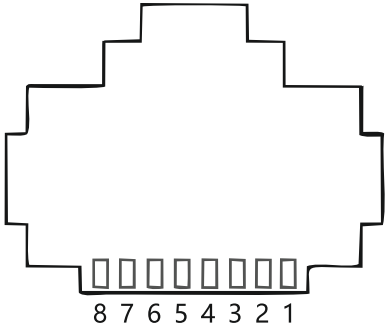
Installation Manual

PPI
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► Dimensions (mm)



► Wiring Instructions

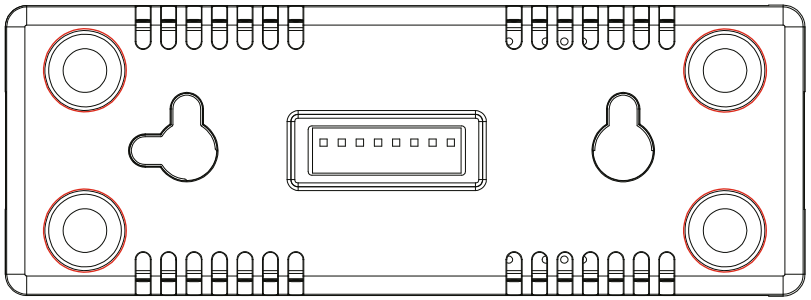


1. RS485 (A+)
2. RS485 (B-)
3. V+ : Power (+)
4. RS485 (A+)
5. RS485 (B-)
6. V- : Power (-)
7. NC
8. V- : Power (-)

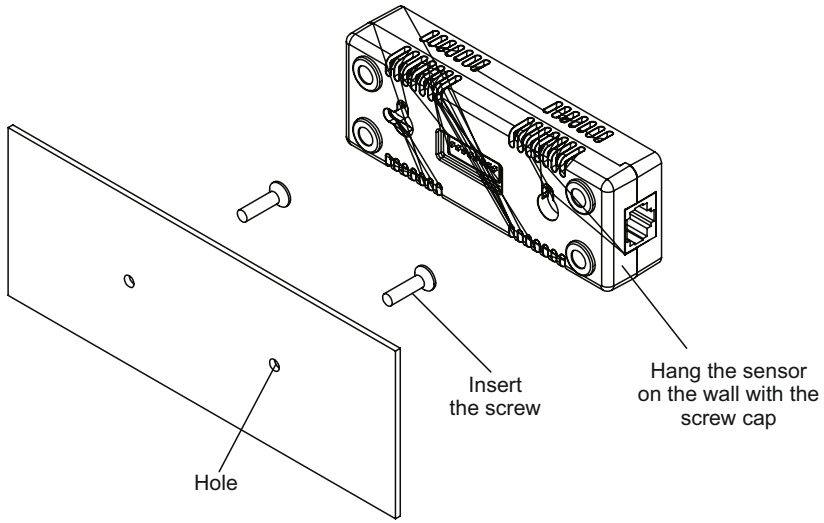
Supply Voltage (V+, V-) : 9 to 26 VDC

► Installation & Mounting Holes

①



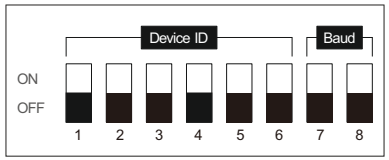
②



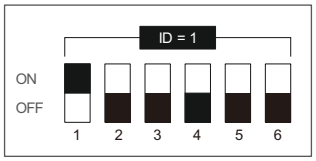
1. The magnetic suction design at the back of the device can be directly attached to the cabinet.
2. Wall mounted installation.

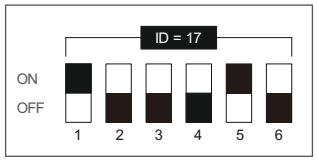
► RS485 Parameter Settings

A set of eight DIP switches is provided for the manual setting of device ID and the Baud Rate. The first 6 switches (1 to 6) are used for device ID while the last 2 switches (7 & 8) are used for Baud Rate setting.

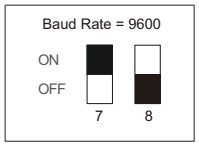


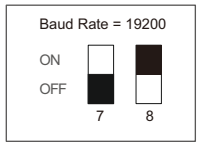
For Device ID, switches 1 to 6 represent binary digits with switch-1 as LSB and switch-6 as MSB. The switch ON & OFF positions are treated as 1 & 0, respectively. The settable ID range is 1 to 63. The examples below show IDs set to 1 and 17.

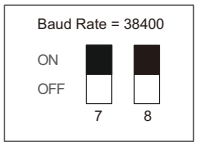




Use switches 7 and 8 for setting the baud rates to 9600, 19200, and 38400 as shown below.

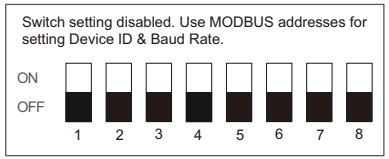






Notes :

1. Power cycle the device for the changes to take effect.
2. The parity is settable only using MODBUS address.
3. For setting the Device ID and the Baud Rate using MODBUS addresses, set all 8 DIP switches to OFF positions as shown below.



► MODBUS Register Addresses

Make sure that the 8 DIP switches are set to OFF positions.

Parameter	Address	R/W	Description	Default
Baud Rate	3	R/W	1 = 9600 bps, 2 = 19200 bps, 3 = 38400 bps, 4 = 115200 bps	9600 bps
Slave ID	4	R/W	1 to 255	1
Parity	5	R/W	0 = None, 1 = Even, 2 = Odd	None
Temperature (16 Bit Signed Integer)	1	R	0.1 °C Resolution. Temperature = Register Value / 10 **Examples** : Register Value = 0x00C4 = 196 Temperature = 196 / 10 = 19.6 °C Register Value = 0xFFBE = -66 Temperature = -66 / 10 = -6.6 °C	NA
Humidity (16 Bit Signed Integer)	2	R	0.1% Resolution. %RH = Register Value / 10 **Example** : Register Value = 0x0134 = 308 %RH = 308 / 10 = 30.8	NA
Temperature (32 Bit Float)	6, 7	R	0.01 °C Resolution. Examples : 0x41200000 = 10.00°C 0xC1A00000 = -20.00°C	NA
Humidity (32 Bit Float)	8, 9	R	0.01% Resolution. Example : 0x41200000 = 10.00%	NA
Sensor Status	10	R	0 = OK, 1 = Fault	NA

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Oct 2026