

OUTSIDE AIR TEMPERATURE & HUMIDITY TRANSMITTER



STHO

STHO2255

Application

“STHO” Outside Air Temperature & Humidity Transmitter is intended for controlling sensor by detecting relative humidity and temperature of outside air for ventilation and air-handling units.

This unit can also be used as an interface detector used with display of sensing value or auto control system of building.

- Pulp/textile/food warehouse, greenhouse, computer room, R&D room, hospital etc.
- Use measuring detector: In case of optimistic function system.

Technical Data

MODEL	OUTPUT SIGNAL	MEASURING RANGE	ACCURACY(at 23°C)
STHO2255	4~20mA / 4~20mA	-30 ~ +70°C/0~+100%RH	±0.2°C(at 0~60°C) / ±1.8%RH(at 0~80% RH)

- SUPPLY VOLTAGE : 15~30VDC
- SENSING ELEMENT : Pt / Capacitiv Polymer
- SENSING RANGE : Temp. /-30~+70°C C, Humi. /0~100%RH
- SELF HEATING : 2.5mW/°C
- ACCURACY : ±0.2°C(0~60°C), 23°C at 0~80%RH Within ±1.8%RH
- WIRING : 4Wire
- OUTPUT SIGNAL : Current 4~20mA
- SENSING TIME : Temp./10sec, HUMIDITY/10 sec (at 0.15m/sec velocity)
- AMBIENT TEMPERATURE : 1) On Operation: -25~+80°C(Probe: -35~+80°C)
2) On Transportation & Storage: -10~+65°C
- AMBIENT HUMIDITY : 1) On Operation : below 5~95%RH
2) On Transportation & Storage : below 95%RH
- PROTECTION CLASS : IP 65 to EN60529
- CABLE FITTING : PF 1/2"
- WEIGHT : 155g

Notes

►Engineering :

In case of control: Preferably install on the wall of building or house and keep away from direct light.

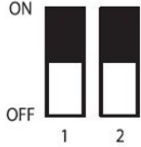


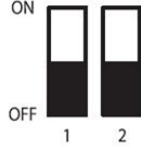
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Mounting Guide

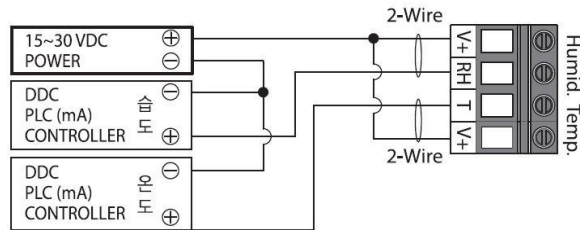
- 1) Installation height: Preferably install in the middle of house, building or heating area, and to be installed at least 1.5 meter above from the floor.
- 2) Prohibited Location: Window, door, ventilating hole, upper place of heat source, and veranda or beneath the eaves of roof.
- 3) To prevent any deeding errors from convection of warm, air, cable wire tube of transmitter should be shielded and must not be painted.

Temperature Measuring Range Setting

* 1and 2 Dip switch adjustment

Temperature Range	0 ~ 50°C	0 ~ 70°C	-20 ~ 50°C	-30 ~ 70°C
Dip Switch				
Factory Setting				●

Wiring Diagram



Shape Dimension

