

DUCT TEMPERATURE & HUMIDITY TRANSMITER



STHD

STHD2255

Application

“STHD” Duct Temperature & Humidity Transmitter is intended for ventilation and air-handling units to the following usages:

- Sensing supplying or ventilating air humidity.
- Shift Sensor (In case of revising room humidity depend on outside air humidity).
- Measuring Sensor (Display sensing value or in case of using DDC auto control system).

Technical Data

MODEL	OUTPUT SIGNAL	MEASURING RANGE	ACCURACY(at 23°C)
STHD2255	4~20mA / 4~20mA	0 ~ +70°C/0~+100%RH	±0.2°C(at 0~60°C) / ±1.8%RH(at 0~80% RH)




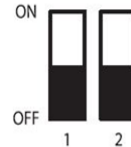
- SUPPLY VOLTAGE : 15~30VDC
- SENSING ELEMENT : Pt / Capacitiv Polymer
- SENSING RANGE : Temp. / 0~+70°C C, Humi. /0~100%RH
- SELF HEATING : 2.5mW/°C
- ACCURACY : ±0.2°C(0~60°C), 23°C at 0~80%RH Within ±1.8%RH
- WIRING : 4Wire
- OUTPUT SIGNAL : Current 4~20mA
- SENSING TIME : Temp./20sec, Humidity/10 sec (at 2.0m/sec velocity)
- MATERIAL : PC
- AMBIENT TEMPERATURE : 1) On Operation: -10~+80°C
2) On Transportation & Storage: -10~+70°C
- AMBIENT HUMIDITY : 1) On Operation : below 5~95%RH
2) On Transportation & Storage : below 95%RH
- PROTECTION CLASS : IP30 to EN 60529
- WEIGHT : 165g (W/BACKET)

Mounting Guide

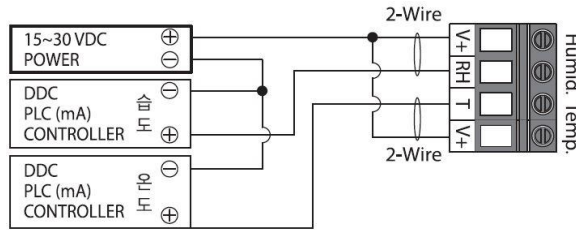
- In case of controlling supplying air temperature & humidity:
 - In case of installing fan at the last air control unit, install behind of fan.
- In case of controlling ventilating air temperature & humidity:
 - Install always at behind of fan.

Temperature Measuring Range Setting

* 1 and 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

