ROOM TEMPERATURE & HUMIDITY TRANSMITER

STHR

STHR2255

Application

"STHR" Room Temperature & Humidity Transmitter is intended control transmitter by sensing relative humidity and temperature of room ventilation and air-handling units.

Also can be used interface detect transmitter with sensing value display 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℃)
STHR2255	4~20mA / 4~20mA	0 ~ +50℃/0~+100%RH	±0.2℃(at 0~60℃) / ±1.8%RH(at 0~80% RH)

- • SUPPLY VOLTAGE : 15~30VDC
- • SENSING ELEMENT : Pt / Capacitiv Polymer
- • SENSING RANGE : Temp. /0~+50℃ C, Humi. /0~100%RH
- • SELF HEATING : 2.5mW/℃
- • ACCURACY : at 23℃ Within ±0.2℃, 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)
- •MATERIAL : PC
- • AMBIENT TEMPERATURE : 1) On Operation: -10~+70℃
  2) On Transportation & Storage: -10~+65℃
- • AMBIENT HUMIDITY : 1) On Operation : below 5~95%RH
  2) On Transportation & Storage : below 95%RH
- • PROTECTION CLASS : IP30 to EN 60529
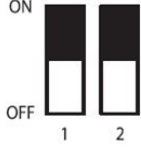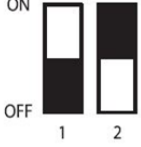- • WEIGHT : 80g

Notes

▸ Engineering :

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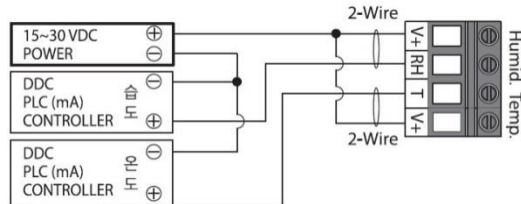
Mounting Guide

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℃	0 ~ 70℃	-20 ~ 50℃	-30 ~ 70℃
Dip Switch				
Factory Setting	●			

Wiring Diagram

Shape Dimension

Sensors