

# STRAP-ON TEMPERATURE SENSOR



## STTS

STTS221, STTS222, STTS223, STTS224

### Application

Heating Ventilation and Cooling System(HVAC)Inside a pipe is a sensor for sensing the temperature of the flow water and the superheated temperature Pump motor

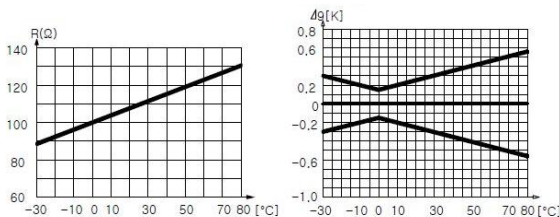
### Technical Data

MODEL	ELEMENT	RANGE	ACCURACY	WIRE	Max. Current
STTS221	Pt100Ω	-30 ~ 140°C	±0.15°C (at 0°C)	3wire/ 1.0mm <sup>2</sup>	1 mA
STTS222	Pt1000Ω	-30 ~ 140°C	±0.3°C (at 0°C)	2wire/ 1.0mm <sup>2</sup>	0.3 mA
STTS223	NTC3KΩ	-30 ~ 130°C	±0.2°C (at 25°C)	2wire/ 1.0mm <sup>2</sup>	
STTS224	NTC10KΩ	-30 ~ 130°C	±0.2°C (at 25°C)	2wire/ 1.0mm <sup>2</sup>	

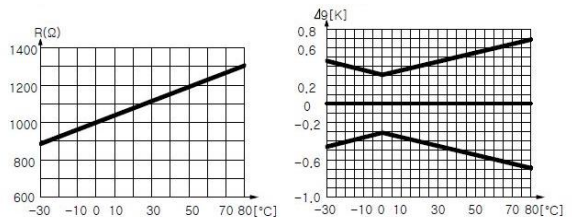
- SENSING TIME : App.10sec
- TCR : 3850 PPM/°C
- SELF HEATING : 0.25K/mW (Self-heating)
- SCOPE OF APPLICATION : 15~430mm Selection
- USE CONNECT : Controller or DDC, PLC System
- TEMPERATURE CHANGES : Table of Reference Value to DIN EN60751
- AMBIENT TEMPERATURE : On Operation : -25~+90°C
- AMBIENT HUMIDITY : 5~95%Rh
- CABLE : PF1/2"
- PROTECTION CLASS : IP 65 to EN60529
- HOUSING MATERIAL : PC (Poly Carbonate)
- DIMENSION : 103mm×80mm×48mm
- WEIGHT : 240g (band:05 포함)

### Accuracy

Pt100Ω(Class A)

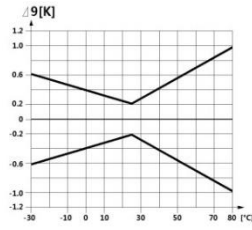
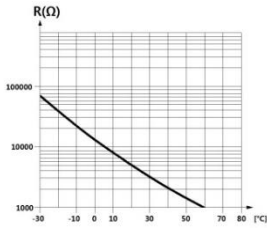


Pt1000Ω(Class B)

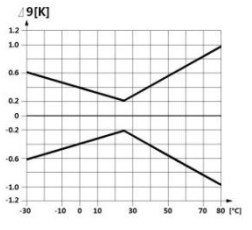
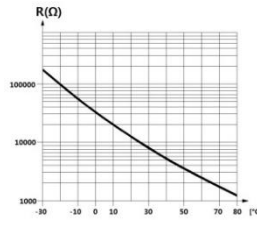


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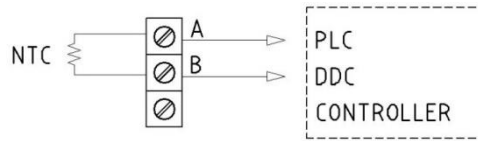
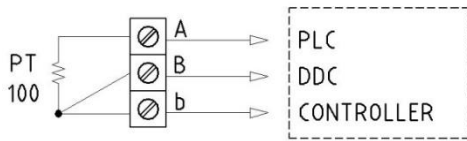
NTC3K $\Omega$



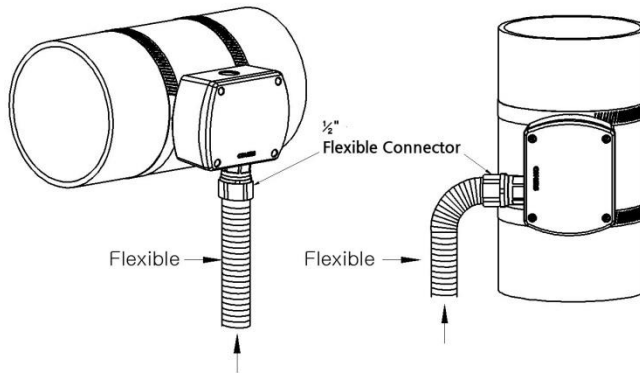
NTC10K $\Omega$ (II)



## Wiring Diagram



## Installation Method



## Shape Dimension

