

### EST1011RTH series of Temperature Transmitter & Temperature-Humidity Transmitter



#### Summary

EST series of transmitters provide a passive or active signal that corresponds with the air or water temperature in heating, ventilating and air conditioning applications.

#### Specifications

Model No	EST1011RT room temperature transmitter EST1011RTH room temperature-humidity transmitter
Operation voltage	DC 24V
Output signal	0~10V or 4-20mA
Measuring range	Temperature 0~50°C
Measuring Accuracy	Humidity 0~100%RH
	Temperature $\pm 1^{\circ}\text{C}$ or $\pm 0.5^{\circ}\text{C}$ RH $\pm 5\%$ RH or $\pm 3\%$
Ambient temperature	-20°C~60°C
Storage	-40°C~70°C, non-condensing
Material	ABS

#### Mounting

The transmitters are suitable for direct wall mounting or ceiling-mounting using four screw holes on the base. The wiring must be entered from the back. For mounting, follow the instruction below:

- Choose an appropriate place to achieve good control of the ambient temperature. The room transmitters only sense the temperature or humidity at the place where it is mounted.
- The transmitters should not be mounted near to windows or doors to avoid draught. On the other hand, sufficient air circulation must be ensured in order to sense the actual temperature of the room.
- Put insulation material in the wiring conduit to prevent introduction of air from outside the room.
- The transmitter should not be exposed to direct radiation or to the sun, as it would lead to incorrect measurement.

### EST1011T Temperature Sensor



#### Summary

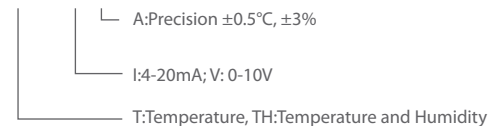
EST1011T temperature sensor is applicable with ETC series Proportional-plus-integral (PI) controller. The temperature sensor shall be able to provide with temperature sensor in heating and cooling. When deviation happens between the ambient temperature and the set point, it is able to provide with temperature sensor.

#### Specifications

Model	EST1011T temperature sensor
Sensing element	NTC thermistor
Precision	$\pm 1^{\circ}\text{C}$ , 10K (25°C)
Material	ABS plastics
Operation ambient	Temperature: -40°C ~ 100°C RH: 10 ~ 95%RH non-condensing
Storage	-40°C ~ +70°C

#### Ordering code

**EST1011-R XX / X X**



※ CE Compliance EMC (89/336/EEC) according to the standard EN61000-6-1:2001, EN61000-6-3:2001.