

LT-CG-S/D-005-A0020-12-L

Air temperature Sensor Manual



1、General

LT-CG-S/D-005-A0020-12-L air temperature sensor probe uses a temperature-specific MEMS module and is linearly regulated by a single-chip microcomputer. The product has high measurement accuracy, good interchangeability, and no calibration. It can output a 4~20mA analog signal according to the user's measurement range. It is an accurate and economical measurement sensor and can be widely used in the field of Internet of Things environmental monitoring such as agricultural greenhouses, smart breeding, smart homes, and industrial and mining enterprises.

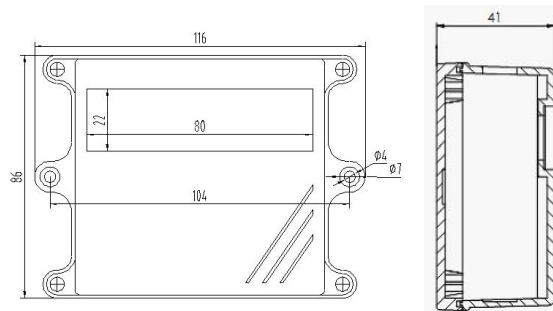
2、Specifications

Direct current	DC24V	
Operating	-20~55°C, 5~95%RH	
Accuracy	Air Temp	±0.5°C
Measuring	Air Temp	-40~80°C
Output	4~20mA	
	Reply output(option)	3A/AC230V、DC24V

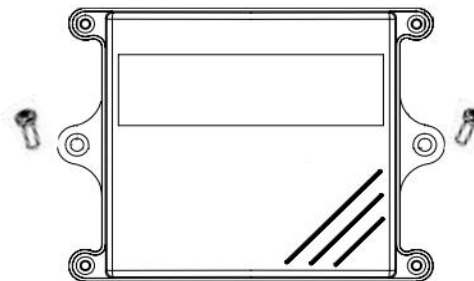
3、Installation

The air temperature sensor has been linearized inside, and outputs a 4~20mA analog signal corresponding to the air temperature range according to user requirements, and can be directly connected to RTU, PLC and other measurement and control equipment.

3.1 Demension 116*86*41mm

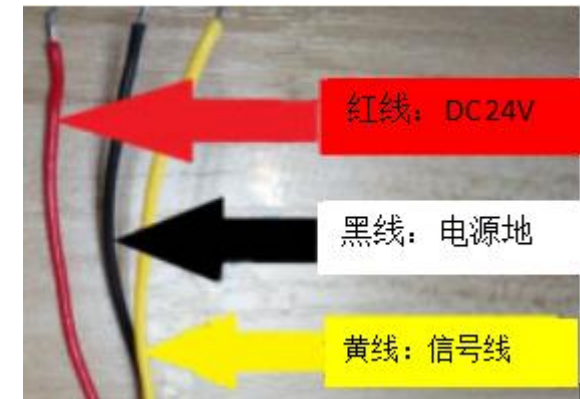


3.2 Installation



The installation port is located on both sides of the device, the diameter of the installation hole is less than 4mm, and it can be installed to the position you want to install with self-tapping screws.

3.3 Wiring



1. Red line: DC24V power+

2. Black line: Power

3. Yellow line: Signal line

3.4 Air temperature calculation formula

Air temp:-40~80°C measuring range: S

4~20mA formulas: $S=7.5I0-70$