AHE Wireless Temperature & Humidity Sensor

Installation Notes V1.0

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1 Installation guide

1.1 product description

The AHE100 wireless temperature and humidity sensor is mainly used for the detection of temperature and humidity inside the equipment such as medium and high voltage switch cabinets, terminal boxes, ring main cabinets, box transformers and the environment of the power distribution room. The module adopts a special shell, which has good ventilation effect and exquisite appearance, which can effectively protect the internal components and increase the service life.

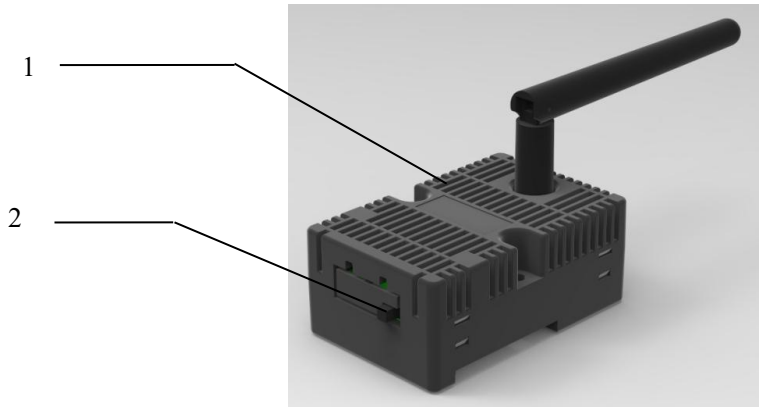
1.2 Technical index

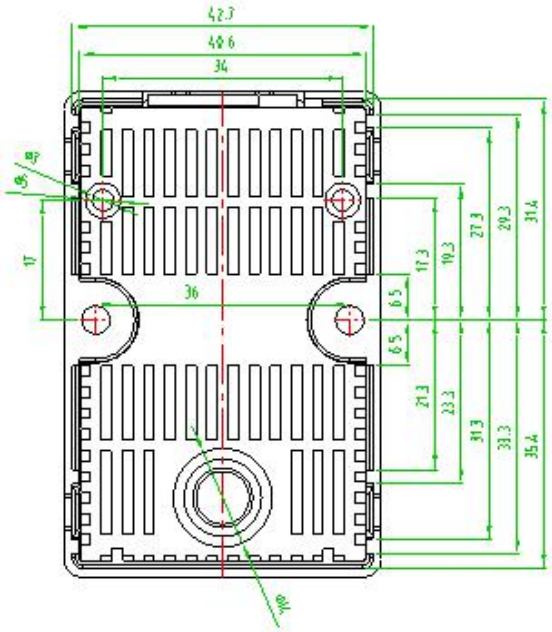
Technical		**Value**
Temperature Range	Temperature	-45℃~85℃
	Humidity	0~100%RH
Accuracy	Temperature	±1℃
	Humidity	±2%RH
Acquisition Frequency		25S
Transmit Frequency		5Min (Report in advance when temperature change ≥2℃ or humidity change ≥5%RH within 5Min)
Transmit Distance		500m（open area）
Battery		3 years (under 25℃ environment), replaceable (model CR2450)
Install Method		Din Rail

1.3 Install

The AHE100 wireless temperature and humidity sensor adopts a guide rail (DIN35mm) installation method, and the battery switch needs to be turned on before use.

1 —— Wireless temperature and humidity sensor body　　2 —— Battery Switch



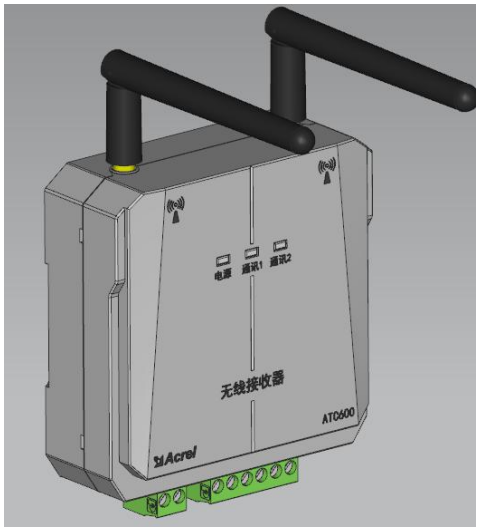


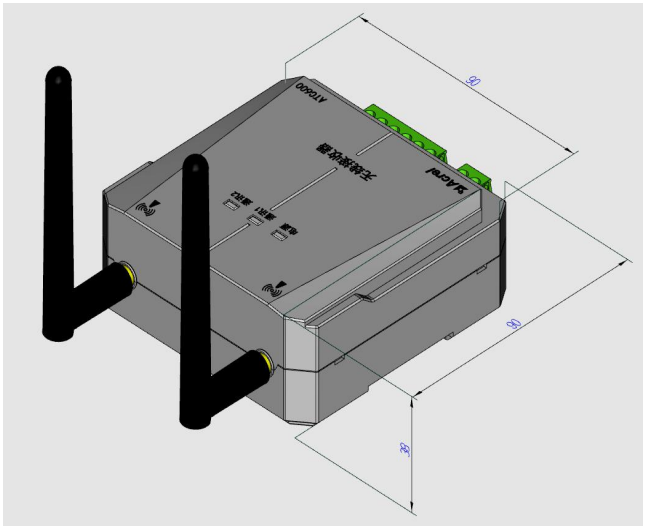
1.3.1 Dimensions

Figure 1.1 Temperature and humidity sensor

1.4 Wireless temperature and humidity sensor transceiver

The wireless temperature transceiver ATC600-C used with the AHE100 wireless temperature and humidity sensor can be installed on a rail (DIN35mm).





1.5 Solution configuration

Touch screen matching: ATC600-C：

ATP007　　ATC600-C　　AHE100

Note: The touch screen is connected to an ATC600-C through the RS485 interface to realize the centralized display of temperature and humidity, and one ATC600-C can receive 240 temperature and humidity sensors.