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AHE100

Temperature and humidity Sensor

Installation Instruction V1.1

Acrel Co., Ltd.

DECLARATION

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1 Installation Guide

1.1 Product Introduction

AHE100 temperature and humidity sensor is mainly used to detect the internal temperature and humidity of medium and high voltage switchgear, terminal box, ring network cabinet, box transformer and other equipment. The module adopts a special shell with good ventilation effect and exquisite appearance, which can effectively protect internal components and improve service life.

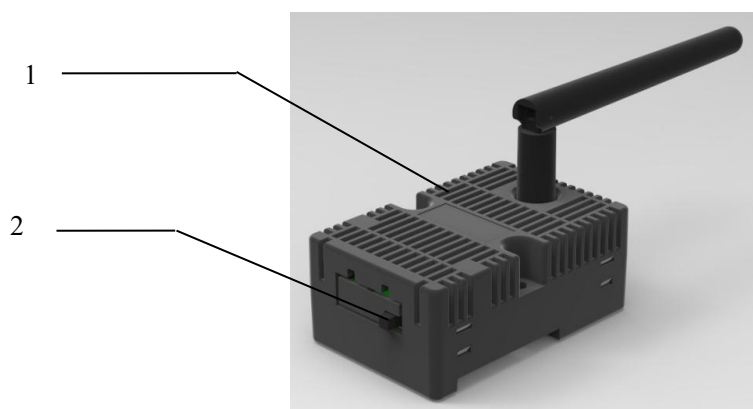
1.2 Technical Features

Items		Features
Range	Temperature	-30℃~85℃
	Humidity	0~100%RH
Precision	Temperature	±1℃
	Humidity	±3%RH
Transmitting frequency		5min
Communication distance		500m in open area
Battery life		3years (In 25℃ environment) Replaceable (model CR2450)
Installation mode		Guide rail installation

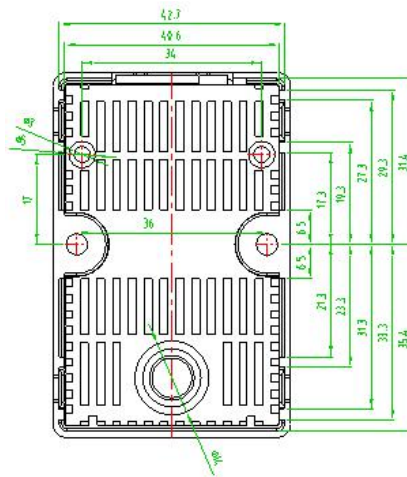
1.3 Product Installation

AHE100 temperature and humidity sensor is installed by guide rail (DIN35mm). It is necessary to turn on the battery switch before use.

- 1 —— Wireless temperature and humidity sensor body
- 2 —— Power switch



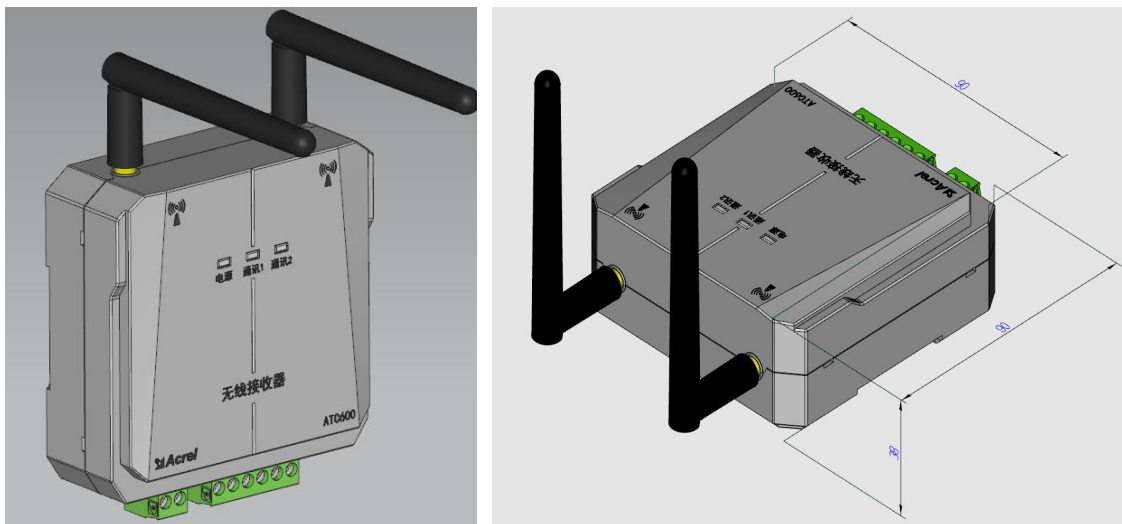
1.3.1 Shape Size



Temperature and humidity sensor

1.4 Wireless temperature and humidity sensor Coordinator

The wireless temperature coordinator ATC600 used with AHE100 wireless temperature and humidity sensor can be installed by guide rail (DIN35mm).



1.5 Scheme configuration

HMI with ATC600-C:



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

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