AHE100
Temperature and humidity Sensor

Installation Instruction V1.1

Acrel Co., Ltd.

DECLARATION

Contents

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.
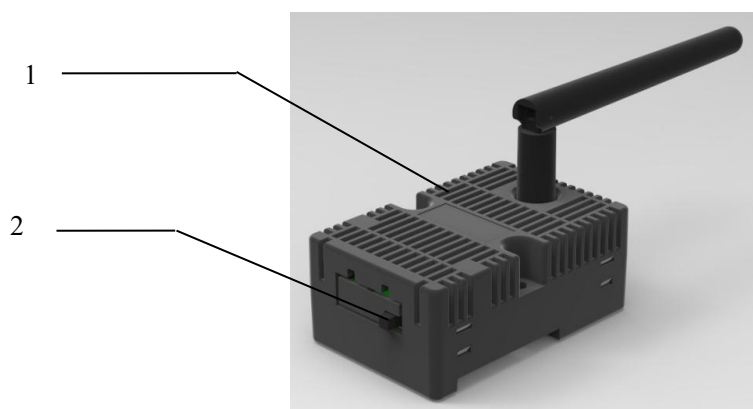
1.2 Technical Features

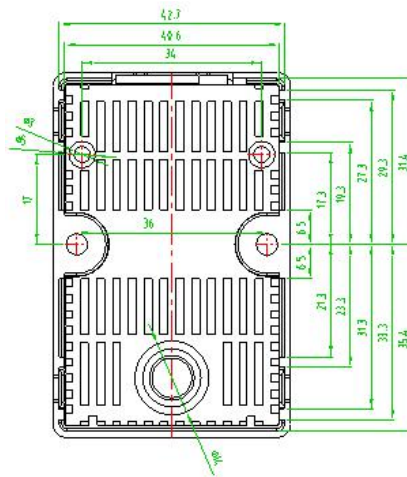| Items		Features
Range	Temperature	-30℃~85℃
	Humidity	0~100%RH
Precision	Temperature	±1℃
	Humidity	±3%RH
Transmitting frequency		5min
Communication distance		500m in open area
Battery life		3years（In 25℃ environment） Replaceable（model CR2450）
Installation mode		Guide rail installation

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
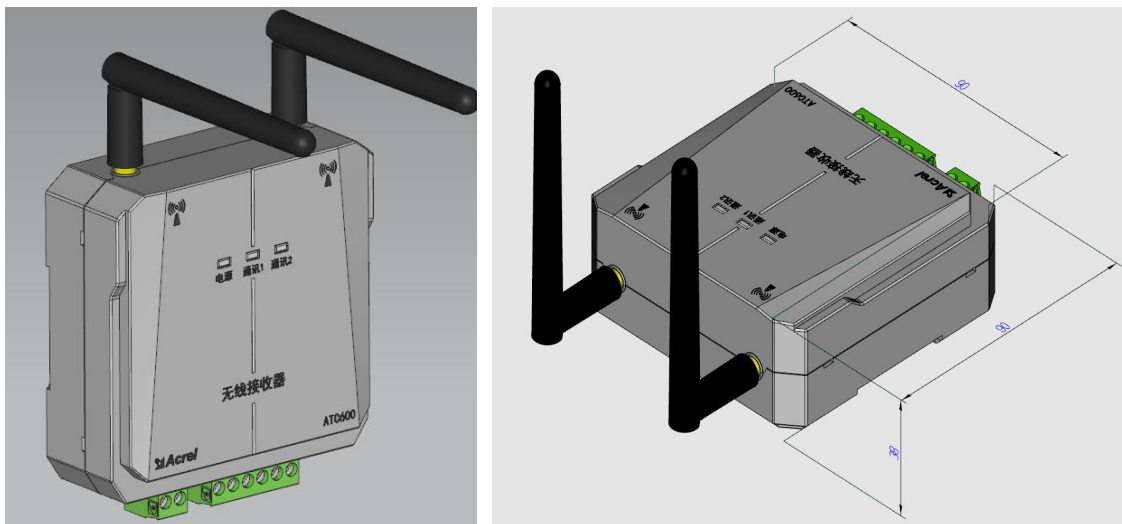
2 —— Power switch

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：

| ATP007 | ATC600-C | AHE |

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.

Headquarters: Acrel Co., LTD.

Address: No.253 Yulv Road Jiading District, Shanghai，China

TEL.: 0086-21-69158338   0086-21-69156052   0086-21-59156392
0086-21-69156971
Fax: 0086-21-69158303
Web-site: www.acrel-electric.com
E-mail: ACREL008@vip.163.com
Postcode: 201801

Manufacturer: Jiangsu Acrel Electrical Manufacturing Co., LTD.
Address: No.5 Dongmeng Road,Dongmeng industrial Park, Nanzha Street,Jiangyin City,Jiangsu Province,China

TEL：0086-510-86179966

Fax：0086-510-86179975

Web-site: www.jsacrel.com
Postcode: 214405
E-mail: sales@email.acrel.cn