

Temperature and Humidity Controller with RS485 Modbus

This temperature and humidity controller measures and controls environmental conditions. It supports RS485 Modbus communication and optional alarm and analog output functions.



ADDITIONAL IMAGES



Product Overview

Smart Environmental Regulation

The WHD series controller provides precise monitoring and automatic adjustment of temperature and humidity for industrial switchgear and transformer substations. Designed to prevent faults caused by condensation or extreme temperatures, this unit ensures optimal operational conditions for sensitive electrical equipment. It supports advanced integration via RS485 Modbus protocol for seamless connectivity with modern monitoring systems.

Performance Metrics

Measurement Accuracy

1 °C

Temperature Accuracy

5 %RH

Humidity Accuracy

Electrical Specifications

Power Consumption

- Basic: d0.8W
- Relay: d0.7W per channel

Auxiliary Power Supply

AC 85-265V / DC 100-350V

Features & Compatibility

System Integration

RS485 Modbus RTU • Panel Mounted • WH-3 Sensor Compatible

Optional Functionality

Alarm, Communication, Analog Output

Applications

Typical Applications

- High voltage switchgear
- Terminal boxes
- Ring network panels
- Box transformer substations