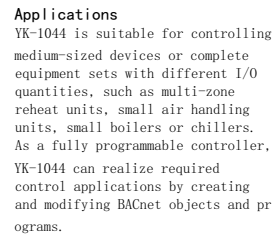


Overview

YK-1044 is a fully programmable controller with two programming methods: block drag-and-drop programming and JavaScript programming. It supports BACnet IP, Modbus, MQTT, Web and other protocols, and can be used with our three self-developed HT series expansion modules.

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- ▶ Equipped with quad-core 1.5GHz chip, 1G memory, 8G storage, power consumption 5W
- ▶ Two programming modes: block drag-and-drop and JavaScript
- ▶ Two built-in Modbus RTU communication ports; the total number of expansion modules connected to the two ports shall not exceed 5
- ▶ Built-in battery for real-time clock and time recording
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- ▶ Built-in isolated power supply and built-in communication protection
- ▶ BO output follows supply voltage: outputs AC 24V when powered by AC24V, outputs DC24V when powered by DC24V
- ▶ Supports Chinese tag naming; controllers of the same model share identical point mapping, one-click modification of point names takes effect synchronously in programs
- ▶ Compatible with third-party nodes including KNX, OPC UA, Modbus RTU, etc.
- ▶ Easy-to-open cover with jumper pins for input signal configuration
- ▶ Onboard reset button for IP address recovery
- ▶ Supports BACnet objects including AI, AO, BI, BO, AV, BV, MV, SCH, CAL, TL, EV, ECV, and more.

Device Address
Configured via software

0-10V
2-10V
0-20ma
4-20ma
temperature NTC-10K
dry contact

A0: 0-10V DC (0~100 full scale)
B0: AC24V / DC24V relay output

190*110*51.5 (L*W*H)

Mounting
35mm DIN rail mounting

YK-1044 can be extended with HT-U1600, HT-UD808 and HT-U808 modules. Input signal type, address code and baud rate can be conveniently configured as shown in the corresponding diagrams.

The image shows the YUNCLAB HT-UD808 configuration interface. The left sidebar contains two main sections: 'Yunclab' and 'Yunclab Modbus'. The 'Yunclab' section lists various modules like HT-UD808, HT-UD808S, and HT-UD808L. The 'Yunclab Modbus' section lists modules like Modbus master, Modbus slave, and Modbus RTU. The main workspace displays three HT-UD808 modules on a grid. The right sidebar shows the 'HT-UD808 节点' (HT-UD808 Node) configuration. It includes a '属性' (Properties) section with fields for '名称' (Name), '地址' (Address), '波特率' (Baud rate), and '扩展特性' (Expansion features). Below this is a '输入类型' (Input type) section with a dropdown menu for 'U1类型' (U1 type) and a list of input types (U1, U2, U3, U4, U5, U6, U7, U8) with their respective input types (e.g., '干接点' for dry contact).

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