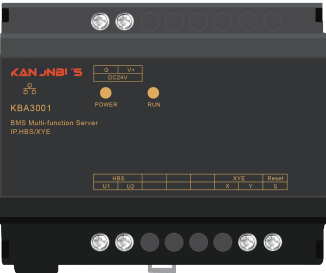# Multi split dedicated building control gateway
User Manual

KBA3001

Safety instructions

- Before installation, please read user manual carefully and observe relevant standards, directives, regulations and instructions.
- Electrical equipment must be installed and programmed by qualified technicians only.
- This device is manufactured according to the relevant technical specifications and have CE.
- For more information of this product, please contact the technical engineer of manufacturer.
- Users are not permitted to alter and maintain the product without the authorization of manufacturer.
- Failure to observe the instructions may cause damage to the device and result in fire or other hazards.

Product Overview

The multi split dedicated building control gateway is equipped with 1 HBS interface (which can be directly connected to mainstream Japanese brands such as Daikin, Toshiba, Hitachi, Mitsubishi Electric, etc.) or 1 XYE interface (which can be directly connected to brands like Midea, Mitsubishi Heavy Industries, etc.) and 1 reusable network port. It can convert the air conditioning system into the standard BACnet protocol or Modbus TCP protocol.
This solves the problem that the configuration software of large-scale building automation companies such as Johnson Controls' Metasys, Honeywell's EBI or Niagara, Siemens' Insight or Desigo CC, and Schneider's SBO cannot directly control air conditioning systems, such as those of Daikin, Toshiba, Hitachi, and other brands.

Product Selection

Product Name		Multi split dedicated building control gateway
Product Model		KBA3001
interface	RS485[1]	x
	RJ45[2]	1
	KNX	x
	Air conditioning bus(HBS/XYE)	1
communication	uplink communication	
	BACnet IP	√
	Modbus TCP	√
	downlink communication	
	Standard Modbus RTU	x
	Non-standard RS485 Communication Protocol	x
	DL/T645	x
	CJ/T188	x
	KNX	x
	Multi split HBS/XYE	√
	Standard Modbus TCP	x

Product Configuration

1) This product adopts the web page programming method. Please use browsers that are not based on the IE kernel for function configuration, such as Firefox, Chrome, etc.
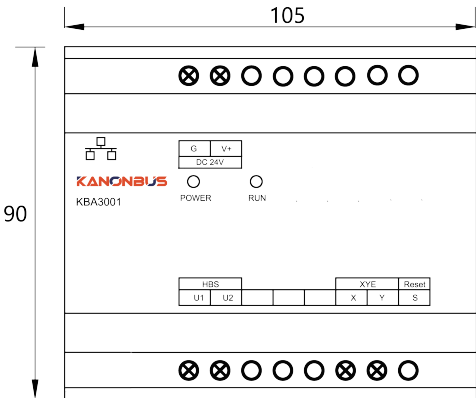2) Login address: 192.168.1.232
3) Username: admin
4) Password: 123

Product parameters

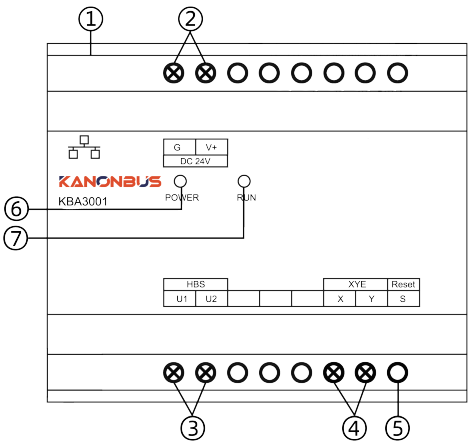| Parameter	Types	KBA3001
Product Info		
Dimensions (WxHxT)		105mm×90mm×60mm
Power Supply		9V~30V DC
Rated power		3W
Type of protection		IP20
Operation		0℃~70℃
Storage		-25℃~70℃
Installation method		Rail-mounted installation
LED indicator light		
PWR		Power indicator light, yellow
RUN		Operating indicator light, green

Product dimensions

Operating instructions

Operating instructions

1) RJ45 network interface
2) Power supply interface: V+ is the positive pole and G is the negative pole.
3) HBS interface: U1/U2 terminals
4) XYE interface: X/Y terminals
5) Reset button: Press and hold this button for 6 seconds. When the RUN indicator light flashes rapidly and then returns to being constantly on, the device will be restored to the factory settings (including the host IP network parameters, serial port settings, and startup mode).
6) POWER indicator light: When powered on, it stays red constantly.
7) RUN indicator light: When the device is running, it stays red constantly. When sending and receiving data, it flashes rapidly in red.