

RS485 Building Control Gateway

User Manual

KBA1002/KBA1004



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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 RS485 building control gateway is equipped with 2 or 4 RS485 interfaces and 1 reusable network port. It can convert RS485 communication protocols (such as Modbus RTU or other non - standard RS485 protocols) into standard BACnet IP protocol or Modbus TCP protocol, which are used for integrating DDCs, PLCs, central air - conditioners, precision air - conditioners, elevators, fire - fighting lighting control systems, electricity meters, water meters, etc. in building control automation.

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Product Selection

Product Name		RS485 Building Control Gateway	
Product Model		KBA1002	KBA1004
interface	RS485'	2	4
	RJ45'	1	1
	KNX	X	X
	Air conditioning bus(HBS/XYE)	X	X
communication	uplink communication		
	BACnet IP	√	√
	Modbus TCP	√	√
	downlink communication		
	Standard Modbus RTU	√	√
	Non-standard RS485 Communication Protocol	√	√
	DL/T645	√	√
	CJT188	√	√
	KNX	X	X
	Multi split HBS/XYE	X	X
	Standard Modbus TCP	√	√

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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

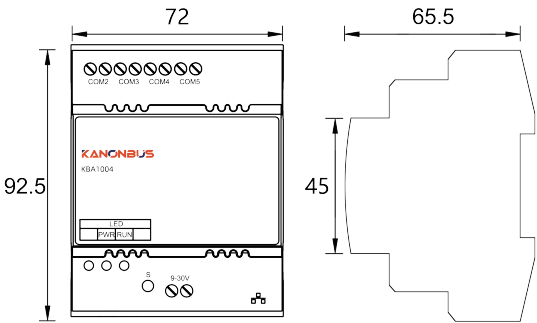
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Product parameters

Parameter	Types	KBA1002/KBA1004
Product Info		
Dimensions (WxHxT)		72mm×92.5mm×65.5mm
Power Supply		9V~30V DC
Rated power		3W
Type of protection		IP20
Operation		0°C~70°C
Storage		-25°C~70°C
Installation method		Rail-mounted installation
LED indicator light		
PWR		Power indicator light, yellow
RUN		Operating indicator light, green

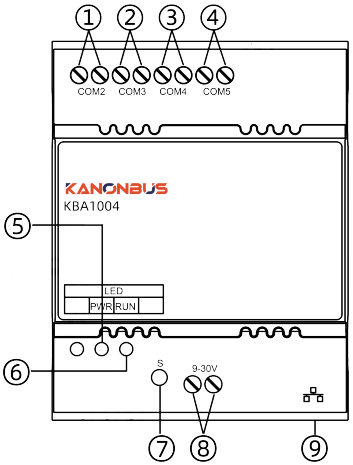
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Product dimensions



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Operating instructions



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Operating instructions

- 1) COM2: RS485 terminal block (KBA1002/KBA1004)
- 2) COM3: RS485 terminal block (KBA1002/KBA1004)
- 3) COM4: RS485 terminal block (KBA1004)
- 4) COM5: RS485 terminal block (KBA1004)
- 5) POWER indicator light: When powered on, it stays yellow.
- 6) RUN indicator light: It stays green when running. When sending and receiving data, it flashes rapidly in green.
- 7) Reset button: Press and hold this button for 6 seconds. When the RUN indicator light flashes rapidly and then stays on steadily again, the device will be restored to the factory settings (host IP network parameters, serial port settings, and startup mode).
- 8) Power supply interface: V+ is the positive pole and V- is the negative pole.
- 9) RJ45 network interface

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