

Dedicated KNX Building Control Gateway User Manual

KBA2001



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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 dedicated KNX building control gateway is equipped with 1 KNX interface and 1 reusable network port. It can convert the KNX/EIB system into the standard BACnet protocol or Modbus TCP protocol. It is used to solve 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 connect to KNX system control devices, like the KNX control systems of ABB, Siemens, Schneider, etc.

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Product Selection

Product Name		KNX dedicated building control gateway
Product Model		KBA2001
interface	RS485*	X
	RJ45*	1
	KNX	1
	Air conditioning bus(HBS/XYE)	X
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	√
	Multi split HBS/XYE	X
	Standard Modbus TCP	X

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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

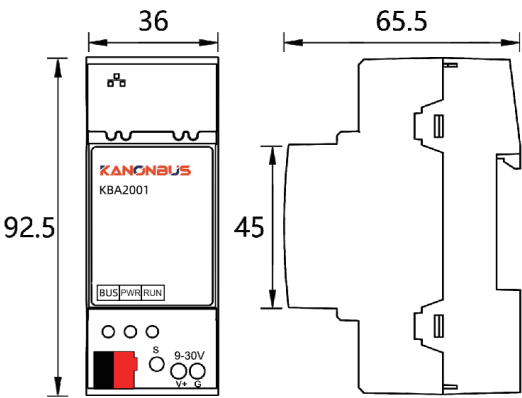
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Product parameters

Parameter	Types	KBA2001
Product Info		
Dimensions (WxHxT)		36mm×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
BUS		KNX system indicator light,red

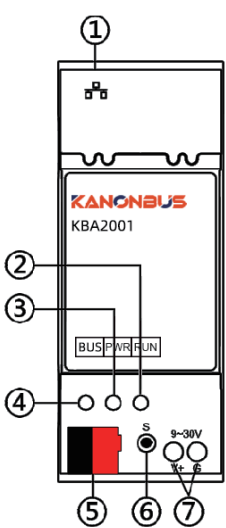
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Product dimensions



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Operating instructions



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Operating instructions

- ① RJ45 network interface
- ② RUN indicator light: When powered on, it stays green. When sending and receiving data, it flashes rapidly in green.
- ③ PWR indicator light: When powered on, it stays orange.
- ④ BUS indicator light: After being connected to the KNX system, it stays red.
- ⑤ KNX bus terminal: It can be connected to the KNX system.
- ⑥ Reset button: Press and hold this button for 6 seconds. When the RUN indicator light flashes rapidly and then stays on again, the device will be restored to the factory settings (host IP network parameters, serial port settings, and startup mode).
- ⑦ Auxiliary power supply input terminal: Use a 9V - 30V DC power supply. V+ is the positive pole and G is the negative pole.

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