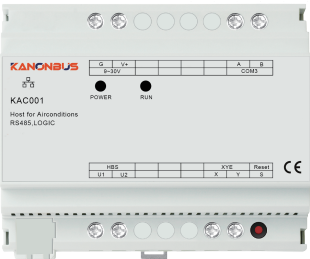


Direct Connection Gateway for
Central Air Conditioning
User Manual

KAC001-YY
YY: Abbreviation of air conditioner brands
DK/TB/MSE/HT/HS/YK/PA/SS/MH/MD/CR



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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.

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Product Features

- Directly connect to the outdoor unit/indoor unit of the central air conditioner.
- Applicable for smart home systems, building automation systems or central control systems to directly control HBS/XYE multi-connected units.
- It is able to control the on/off, wind speed, mode, temperature setting, etc. of the indoor units of the air conditioner, and read relevant status feedback information.
- It can query the fault codes of the central air conditioning system.
- All mainstream brands of central air conditioners, such as Daikin, Toshiba, Hitachi, Mitsubishi Electric, Mitsubishi Heavy Industries, etc., can be directly controlled via RS485/Modbus RTU.
- With built-in logic functions.

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Product Selection

Product model		KAC001
interface	KNX	1
	RJ45	
	RS232	1
	RS485	
	HBS	
function	XYE	1
	Cloud-to-Cloud Voice Docking	
	RS232/485 Protocol	
	Remote function	
	Timing function	✓
	Logical function	
	KNX IP Router function	
	IOS/Android/Windows Visualization Software	

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Product Overview

The KAC001 central air-conditioning direct connection gateway integrates the third-party control system with the air-conditioning system through the standard MODBUS protocol.
The KAC001 is installed in a rail-mounted manner and is directly connected to the corresponding interfaces of the outdoor unit or indoor unit of the central air-conditioning system. The third-party control system can use the KAC001 to control the start and stop, mode switching, wind speed adjustment, temperature setting, etc. of the indoor units of the central air-conditioning system. The corresponding feedback values can also be displayed on the control terminal of the third-party control system.

Product Configuration

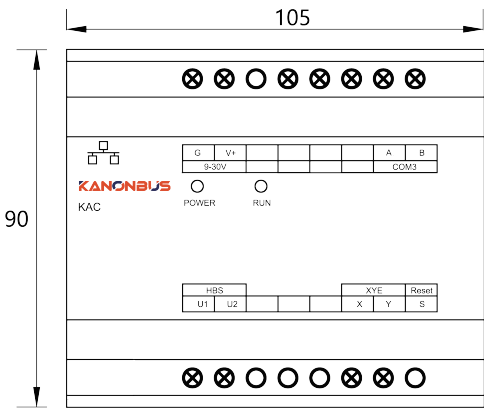
- 1)This product adopts the web page programming method. Please use browsers that are not based on the IE kernel for function configuration, such as Firefox, Chrome, etc.
- 2)Login address: 192.168.1.232
- 3)Username: admin
- 4)Password: 123

Product parameters

Parameter	Types	KAC001
Product Info		
Dimensions (WxHxT)		105mm×90mm×60mm
Power Supply		9-30V DC
Type of protection		IP20
Operation		0°C~70°C
Storage		-25°C~70°C
Installation method		Rail-mounted installation
LED indicator light		
POWER		Working indicator light
RUN		Operating indicator light

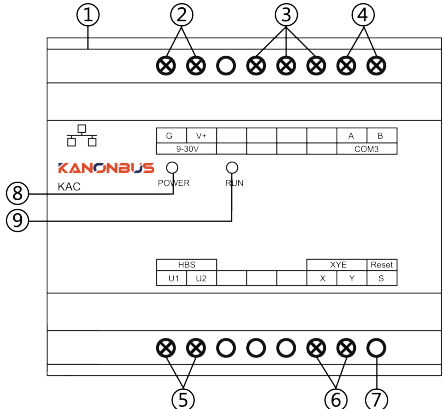
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Product dimensions



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Operating instructions



- 1) RJ45 network interface
- 2) Power supply interface: V+ is the positive pole and G is the negative pole.
- 3) COM2: RS232 terminal block (KAC008)
- 4) COM3: RS485 terminal block (KAC001/008)
- 5) HBS interface: U1/U2 terminals
- 6) XYE interface: X/Y terminals

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Operating instructions

Brand	KAC terminal	Air conditioner terminal block	Polarity	The maximum number of indoor units
DK	U1/U2	F1, F2	No	64
TB		U1, U2	No	64
MSE		U1, U2	No	64
HT		TB3/7 (A, B)	No	50
HS/YK/PA		1, 2	No	64
SS	X/Y	X, Y	Yes	64
MD/CR		X, Y	Yes	64
MH		A1, B1	No	48

- 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 its factory settings (host IP network parameters, serial port settings, and startup mode).
- 8) POWER indicator light: When the power is turned on, it stays red and on steadily.
- 9) RUN indicator light: It stays red and on steadily during operation. When data is being sent and received, it flashes rapidly in red.

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Shanghai Kanontec Electronic Technology Co., Ltd
Room 501, Building 12B, No.1288, Luoning Road
Baoshan District, Shanghai
<http://www.kanontec.com>
E: support@kanontec.com
T: +86-21-56468387

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