

Direct-connected main unit of central air conditioner

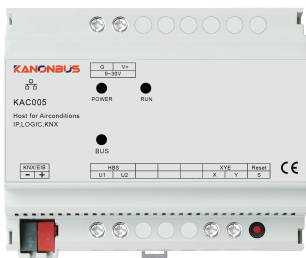
User Manual

KAC00X-YY

X: series model (5/8)

YY: Abbreviation of air conditioner brands

DK/TB/MSE/HT/HS/YK/PA/SS/MH/MD/CR



1

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 KAC00X series of direct-connected main units for central air conditioners adopt the rail-mounted installation method. They are directly connected to the corresponding interfaces of the outdoor unit or indoor unit of the central air conditioner. These units can integrate and mutually convert the HBS/XYE protocol of the central air conditioner with the popular communication protocols in the market. Thus, they can control the start and stop, mode switching, wind speed switching, temperature setting, etc. of the indoor unit of the central air conditioner. The corresponding feedback values can also be displayed on the control terminals of the KNX system or other systems.

2

Product Features

- Suitable for direct control of HBS/XYE multi-connected units by smart home systems, standard RS485 temperature control panels, building automation systems, or central control systems.
- It can control the on/off, wind speed, mode, temperature setting, etc. of the air conditioning indoor unit, and read the relevant status feedback information.
- It can query the fault codes of the central air conditioning system.
- The supported docking protocols include KNX, standard Modbus RTU/TCP, BACnet/IP, custom RS232/RS485, TCP/IP or UDP, etc.
- Built-in logic function.
- Support for remote debugging and configuration.
- Built-in timing function.
- Support for voice control.
- Built-in visual APP.
- With the function of KNX IP ROUTER.
- With the function of the filter table.
- Remote control via APP.
- Suitable for iOS/Android/Windows and other systems.

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

3

Product Selection

Product model		KAC005	KAC008
interface	KNX	1	1
	RJ45	1	1
	RS232		1
	RS485		1
	HBS	1	1
	XYE	1	1
function	Cloud-to-Cloud Voice Docking	✓	✓
	RS232/485 Protocol		✓
	Remote function	✓	✓
	Timing function	✓	✓
	Logical function	✓	✓
	KNX IP Router function	✓	✓
	IOS/Android/Windows Visualization Software	✓	✓

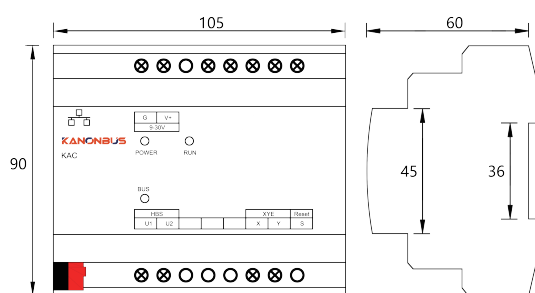
4

Product parameters

Parameter	Types	KAC00X
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
BUS		KNX system indicator light

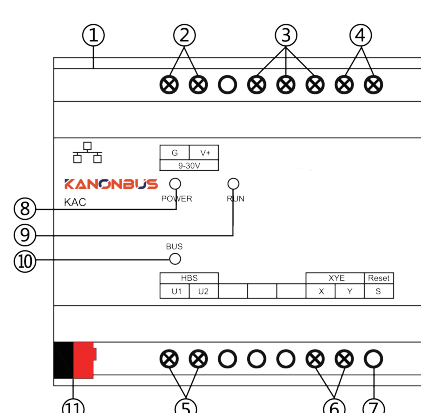
5

Product dimensions



6

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

7

Operating instructions

Brand	KAC terminal	Air conditioner terminal block	Polarity	The maximum number of indoor units
DK		F1, F2	No	64
TB	U1/U2	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, the device will be restored to its factory settings (including the host IP network parameters, serial port settings, and startup mode).
- 8) POWER indicator light: After powering on, it stays red and on steadily.
- 9) RUN indicator light: It stays red and on steadily during operation. When sending and receiving data, it flashes rapidly in red.
- 10) BUS indicator light: After being connected to the KNX system, it stays red and on steadily.
- 11) KNX bus terminal: KAC005/008 can be connected to the KNX system.

8

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