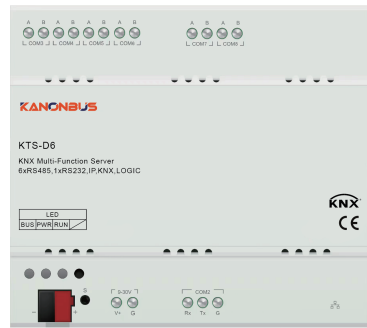


KTS-Dx multifunctional host

User Manual

KTS-D1/D2/D3/D4/D5/D6



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 KTS-D series multifunctional host adopts a rail-mounted installation method. It has rich hardware interfaces and powerful computing and processing capabilities. With industrial-grade chips and design, it is stable and reliable. It can integrate and mutually convert various popular communication protocols (such as KNX, various communication protocols based on RS485 and RS232, TCP/IP, UDP protocol, BACnet/IP protocol, Modbus RTU/TCP, etc.), and can be upgraded and custom-expanded according to actual needs to achieve a truly intelligent solution. The KTS-D series multifunctional host includes 1 KNX interface, 1 reusable RJ45 interface, 1 RS232 interface and multiple RS485 interfaces, which can meet the integration function requirements of most projects. Users can select different products according to the applications of actual projects.

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Product Features

- The KNX system can be integrated and connected with multiple systems/devices simultaneously through the serial port or network.
- It has multiple independent serial communication interfaces.
- The docking protocols support KNX, standard Modbus RTU/TCP, BACnet/IP, custom RS232/RS485, TCP/IP, or UDP, etc.
- It can integrate and control devices such as background music systems and home theaters.
- It can be integrated with conference/central control systems, building automation (BA) systems, and building management systems (BMS).
- It can be integrated with environmental systems such as central air conditioning, underfloor heating, and fresh air systems.
- It can be integrated with security alarm and access control systems.
- It has built-in logic functions and timing functions.
- It supports remote debugging and configuration.
- It supports voice control.
- It has a built-in visual APP.
- It has the function of KNX IP ROUTER.
- It has the function of a filter table.
- It supports remote control via APP.
- It is applicable to systems such as iOS, Android, and Windows.

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 Selection

Product model		KTS-Dx					
		D1	D2	D3	D4	D5	D6
interface	KNX	1	1	1	1	1	1
	RJ45	1	1	1	1	1	1
	RS232	1	1	1	1	1	1
	RS485	1	2	3	4	5	6
function	Cloud-to-Cloud Voice Docking	✓	✓	✓	✓	✓	✓
	Standard protocol	✓	✓	✓	✓	✓	✓
	Proprietary protocol	✓	✓	✓	✓	✓	✓
	BACnet/IP	✓	✓	✓	✓	✓	✓
	Remote function	✓	✓	✓	✓	✓	✓
	Logical/Timing function	✓	✓	✓	✓	✓	✓
	KNX IP Router function	✓	✓	✓	✓	✓	✓
	IOS/Android/Windows Visualization Software	✓	✓	✓	✓	✓	✓

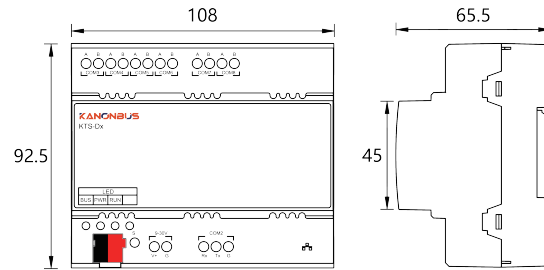
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Product parameters

Parameter	Types	KTS-D1/D2/D3/D4/D5/D6
Product Info		
Dimensions (WxHxT)		108mm×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

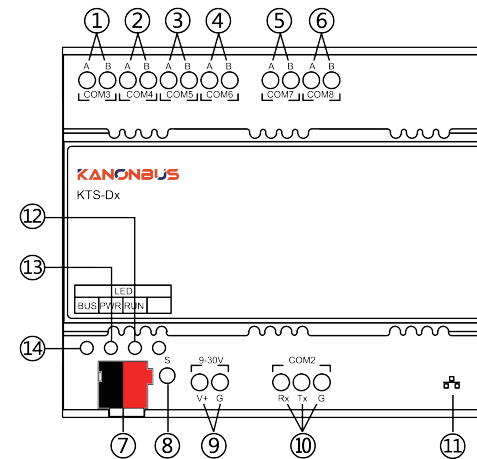
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Product dimensions



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Operating instructions



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Operating instructions

- 1) COM3: RS485 terminal block (for the entire KTS-Dx series)
- 2) COM4: RS485 terminal block (for KTS-D2/D3/D4/D5/D6)
- 3) COM5: RS485 terminal block (for KTS-D3/D4/D5/D6)
- 4) COM6: RS485 terminal block (for KTS-D4/D5/D6)
- 5) COM7: RS485 terminal block (for KTS-D5/D6)
- 6) COM8: RS485 terminal block (for KTS-D6)
- 7) KNX bus terminal: It can be connected to the KNX system.
- 8) 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 (including the host IP network parameters, serial port settings, and startup mode).
- 9) Auxiliary power supply input terminal: Use a 9V-30V DC power supply, where V+ is the positive pole and G is the negative pole.
- 10) COM2: RS232 terminal block (for the entire KTS-Dx series)
- 11) RJ45 network interface
- 12) RUN indicator light: After powering on, it stays green steadily. When sending and receiving data, it flashes red rapidly.
- 13) PWR indicator light: After powering on, it stays yellow steadily.
- 14) BUS indicator light: After being connected to the KNX system, it stays red steadily.

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