

Embedded input and output interface

User Manual

KTE110MS/KTE210MS/KTE310MS



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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 embedded input and output interfaces of KTE110MS/210MS/310MS are used in the KNX system.

The 4 input ports can be docked with traditional switches, self-resetting switches or other systems, converting dry contact signals into KNX commands. Each input has an LED output, which can be connected to the indicator light of the switch button for the status display of the input. At the same time, the 1/2/3 output ports support a 10A load and can be directly connected and controlled for on/off.

The KTE110MS/210MS/310MS are compact in size but powerful in function, making them convenient for application in various usage scenarios. They adopt an embedded installation method and can be installed invisibly in a standard 86 switch junction box (for easier installation, it is recommended to use a deeper junction box).

Through program settings, the input ports can control the on/off of lights, brightness adjustment, and the opening/closing of curtains. They can also perform controls such as numerical value sending, scene calling, and temperature/brightness setting. In addition to being able to control the load individually, the output ports can also be set for scenes.

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Product Features

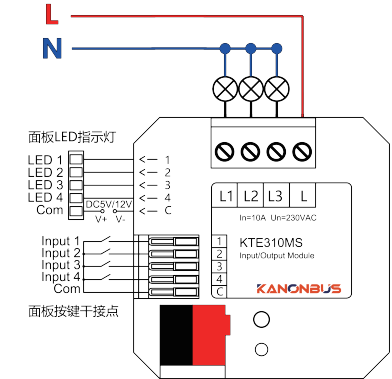
- Powered by the KNX bus.
- Compact in size, easy to install.
- Equipped with 4 independent input ports.
- Equipped with 4 LED output ports.
- There are 1/2/3 independent output ports for users to choose from, and each port can support a maximum output load of 10A.
- The input ports can be used for lighting control: on/off and dimming.
- The input ports can be used for curtain control: operation/stop.
- The input ports can send numerical values: scene calling, brightness value, temperature value, illuminance value.
- Programmed and debugged using ETS3/4/5.

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Programming instructions

1. Select the corresponding product database and import it into ETS3/4/5.
2. Add the device to the project created in ETS3/4/5.
3. Press the programming button on the device, and download the physical address via ETS3/4/5. After the download is completed, the red LED indicator will turn off.
4. Open the device database. After setting the parameters and associating the corresponding group objects, perform the application download.
5. After changing the physical address of the device, repeat "Step 3".
5. After modifying the parameter settings or re - associating the "group objects", repeat "Step 4" to implement new functions.

Product Wiring



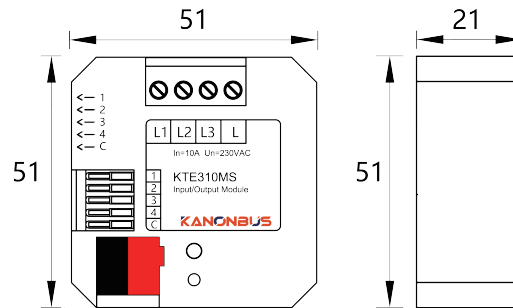
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Product parameters

Parameter	Types	KTE110MS	KTE210MS	KTE310MS
Power				
Power Supply		KNX Power 21V~30V DC		
Transmission medium		KNX TP		
Rated current		10mA		
Product Info				
Dimensions (WxHxT)		51mm x 51mm x 21mm		
Type of protection		IP20		
Operation		0°C ~ 70°C		
Storage		-25°C ~ 70°C		
Installation method		Deepen the installation of the 86-type junction box		
Programming mode		S mode		
Input port				
input signal		Passive signal		
Number of ports		4 channels		
LED output port				
Polarity		Common anode		
Output voltage		DC 5V/12V		
Number of ports		4 channels		
Output port				
Rated voltage		AC 220V		
Rated current		10A		
Number of ports		1 channels	2 channels	3 channels

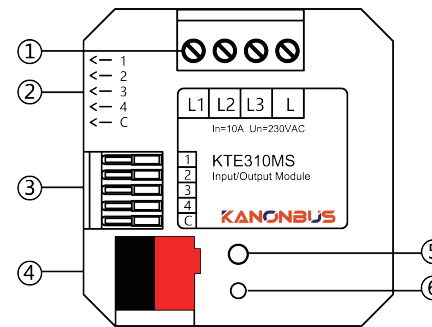
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Product dimensions



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Operating instructions



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Operating instructions

- ① Relay output terminals: Connect the 220V live wire to terminal L, and connect the loads to terminals L1/L2/L3 respectively.
- ② LED output terminals
- ③ Dry contact input terminals
- ④ KNX bus terminals
- ⑤ KNX programming button indicator light. When the programming button is pressed, this indicator light will show red. After the physical address is downloaded successfully, it will turn off automatically. This indicator light can also be turned on/off through the ETS software.
- ⑥ Programming button. Press it to program the physical address of the device.

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