2-Channel Shutter Module
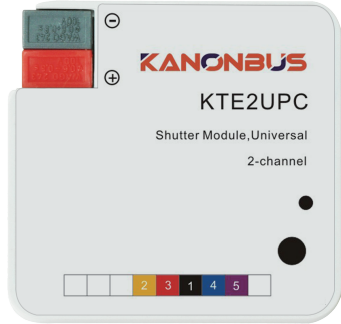# User Manual

KTE2UPC

KANONBUS

KTE2UPC

Shutter Module,Universal

2-channel

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

KTE2UPC is a dry contact curtain motor control module that complies with KNX technology standards. It is compact in size, powerful in function, and suitable for electrical installation bus systems that comply with KNX standards, making the control of electric curtains simple, flexible, and convenient.
KTE2UPC has two outputs that can be connected to double-layer curtains (gauze curtains+cloth curtains) at the same position. Each output can control the opening, closing, and stopping of curtains, and can independently define the travel time of each channel (pulse/non pulse) and detect the current status of each channel.
The module adopts an embedded installation method, which is convenient for application in various usage scenarios. Usually, the module can be placed inside the curtain box, and only the motor power supply and KNX bus are needed to complete the wiring, eliminating the complex wiring requirements of traditional curtain motors.

Product Features

● Powered by KNX bus
● Suitable for passive dry contact curtain motor drive
● Can achieve curtain opening/closing/stopping, with status feedback function
● The interval time for switching between opening and closing curtains can be set to maximize the protection of the curtain motor
● The curtain travel connection time (i.e. pulse signal duration) can be set
● With scene function, each channel supports up to 8 sets of scene definitions
● Equipped with centralized control function
● Compact size, can be embedded and installed in the 80/86 bottom box or the curtain box next to the curtain
● The curtain motor control line is isolated from the KNX bus using optocouplers, ensuring stability and reliability
● Dual channel design, suitable for most applications of gauze curtains and fabric curtains
● After installation, it does not affect the control function of the curtain motor itself, such as wireless remote control, etc
● Use ETS3/4/5 for programming and debugging

Programming instructions

1. Select the corresponding product database (KTE2UPC) and import it into ETS3/4/5.
2. Add the device to the project created in ETS3/4/5.
3. Press the device programming button and download its physical address through ETS3/4/5. After the download is completed, the red LED indicator light will go out.
4. Open the device database, associate its parameter settings with the corresponding group objects, and then perform the application download.
5. After changing the physical address of the device, repeat "Step 3".
6. After modifying the parameter settings or re-associating the "group objects", repeat "Step 4" to achieve the new function.
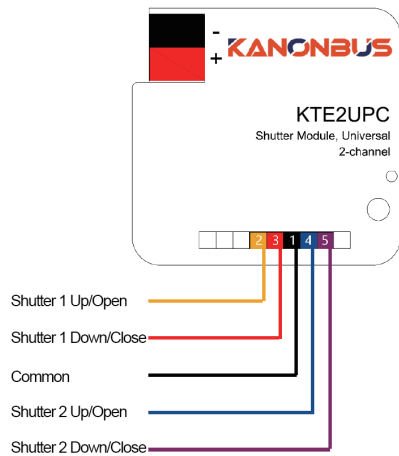
Product parameters

Parameters	Types	KTE2UPC
Power		
Power Supply		KNX Power，21V~30V DC
Transmission Media		KNX TP
Power Consumption		≤10mA
Product Info		
Dimensions (WxHxT)		48mm x 46mm x12mm
Type of protection		IP20
Storage		-25°C ~70°C
Operation		0°C~70°C
Installation method		Embedded hidden installation
Programming pattern		S mode
Other		
Isolation voltage		1500V AC
Maximum load		60V 0.5A

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Product Wiring

KTE2UPC
Shutter Module, Universal
2-channel

Shutter 1 Up/Open
Shutter 1 Down/Close
Common
Shutter 2 Up/Open
Shutter 2 Down/Close

Product dimensions

48

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Operating instructions

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③
④

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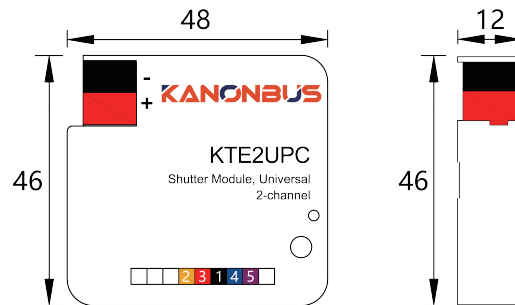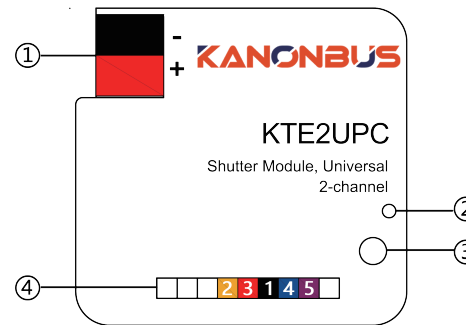
Operating instructions

① KNX bus terminal;
② KNX programming button indicator light, when the programming button is pressed, the indicator light will display in red. After downloading the physical address, it will automatically turn off, or it can be turned on/off through ETS software;
③ Programming button, press it to write the physical address of the device;
④ Curtain control cable connection: Please refer to the "KTE2UPC wiring diagram" for connection

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