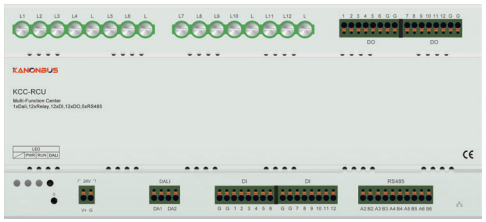
Digital Dimming Hotel Controller User Manual

KCC-RCU



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

KCC - RCU Digital Dimming Hotel Host. This device is equipped with multiple control units, including 12 - way relay output, DALI dimming, 12 - way DI input, 12 - way DO output, and 5 - way RS485. It also supports TCP/IP and can be applied to projects such as hotel guest rooms.
The device adopts rail - type installation, has rich hardware interfaces and strong computing power, and supports various control panels such as RS485, TCP/IP, dry contact, and Zigbee. Combined with the Kanonbus hotel - specific control software, it can easily adapt to various types of hotels.
The debugging process of the KCC - RCU Digital Dimming Hotel Host is flexible and simple. Just complete the debugging of one model room, and the remaining rooms can be copied in batches without considering the branch line situation and group address allocation, which significantly reduces the service cost. The hotel operation logic can be freely defined, or our side can customize the operation logic script for users to upload by themselves without returning the device to the factory for re - brushing the firmware.

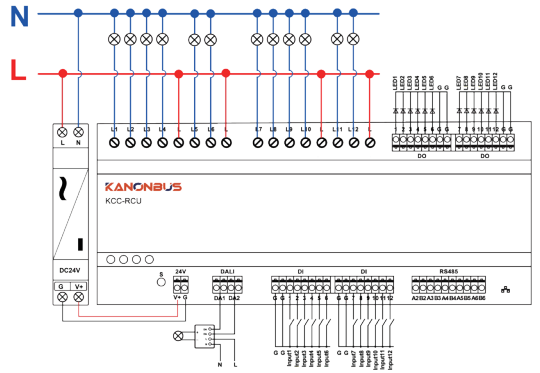
Product Features

- Standard DIN35mm rail-mounted modular product, compact in structure and powerful in function
- Relay output: Equipped with 12 relay channels for loads such as fan coil units, curtains, and lighting
- DI input: Provides 12 passive dry contact inputs for receiving dry contact signals from control panels
- DO output: Features 12 0/12V outputs for passive or low-voltage outputs
- DALI dimming: Includes 1 DALI dimming output for connecting to DALI lighting systems, supporting 64 DALI addresses
- RS485: Equipped with five independent serial communication interfaces
- RJ45: Features one RJ45 interface supporting multiple network transmission control functions and protocols
- Built-in logic functions/timing functions

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

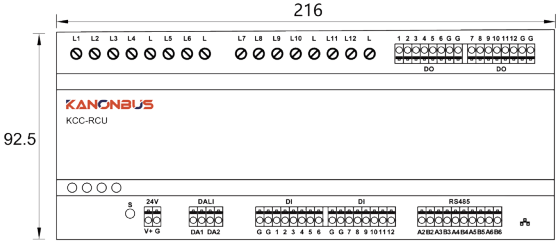
Product Wiring



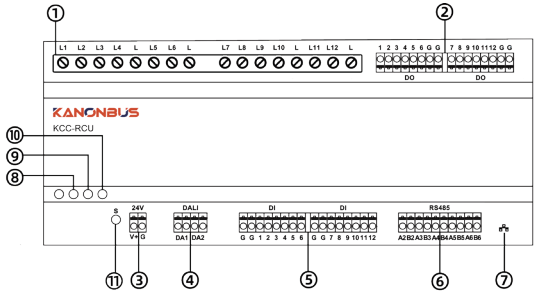
Product parameters

Parameter \ Types	KCC-RCU
Product Info	
Dimensions (WxHxT)	216mm×92.5mm×60mm
Power Supply	24V DC
Type of protection	IP20
Operation	0℃~70℃
Storage	-25℃~70℃
Installation method	Rail-mounted installation
Product port	
Relay output	12
DALI dimming output	1
Digital Input	12
Digital Output	12
Polarity	Common cathode
Output voltage	Passive DC 5V/12V
RS485	5
RJ45	1
LED indicator light	
POWER	Working indicator light, orange
RUN	Operating indicator light, green
DALI	DALI indicator light, white

Product dimensions



Operating instructions



Operating instructions

1) Relay output: The L terminal serves as the common power supply terminal for loads.
2) DO signal output: Supports 0/12V output, with G as the common terminal.
3) Power supply terminal: Uses a 24V DC power source, with V+ as the positive pole and G as the negative pole (ground).
4) DALI signal output: Used to connect to the DALI system.
5) DI signal input: Passive dry contact input, with G as the common terminal.
6) RS485 control interface.
7) RJ45 network port: Used for network connection and protocol docking.
8) PWR indicator light: When powered on, it remains orange and steady.
9) RUN indicator light: After startup is complete, it displays a steady green light; when sending or receiving data, it flashes rapidly in green.
10) DALI indicator light: When connected to the DALI system, it remains white and steady.
11) Master control/reset button: Press and hold this button for 6 seconds. When the RUN indicator light flashes rapidly and then turns back on, the device will restore factory settings (host IP network parameters, serial port settings, and startup mode).

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