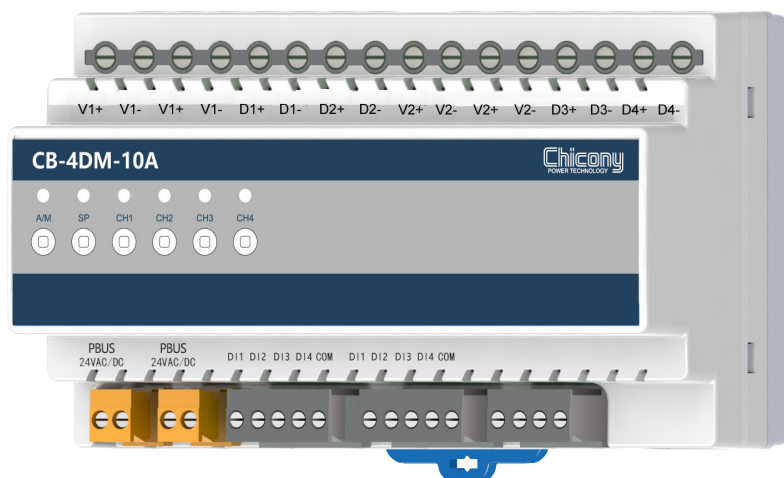


CB-4DM-10A

Dimming Control Module



CB-4DM-10A is one of the dimming control modules in the CB series which is widely used in the field of intelligent lighting, smart homes, and room control. It is equipped with 4 channels of digital input and the dimming output function with 4 channels of 10A LED constant voltage. This function is applicable to conditions where various equivalent LED lights are in parallel connection and the digital input can receive signals of switches, alarm devices, and infrared sensors, etc.

Product Model Table

Model	Power	Digital input	Dimming Output of Silicon Controlled Rectifier	Pyxos	Consumption
CB-4DM-10A	P bus link power supply	4	4	1	25mA@24V

Technical Parameters

No.	Item	Parameter	No.	Item	Parameter
1	Consumption	25mA@24V	6	Operating temperature	-10 to 50 °C
2	Power	P bus link power supply	7	Storage temperature and humidity	Normal temperature and 0%-95%RH without condensation
3	LED Light Input Voltage	9-36VDC	8	Dimensions	162mm(W) x 95mm(H) x 64mm(D)
4	LED Constant Voltage Dimming	10A single-way	9	Material of cover	ABS engineering plastic
5	Digital input	4 Channels for the passive dry contact	10	Installation method	35mm standard DIN-rail mounting

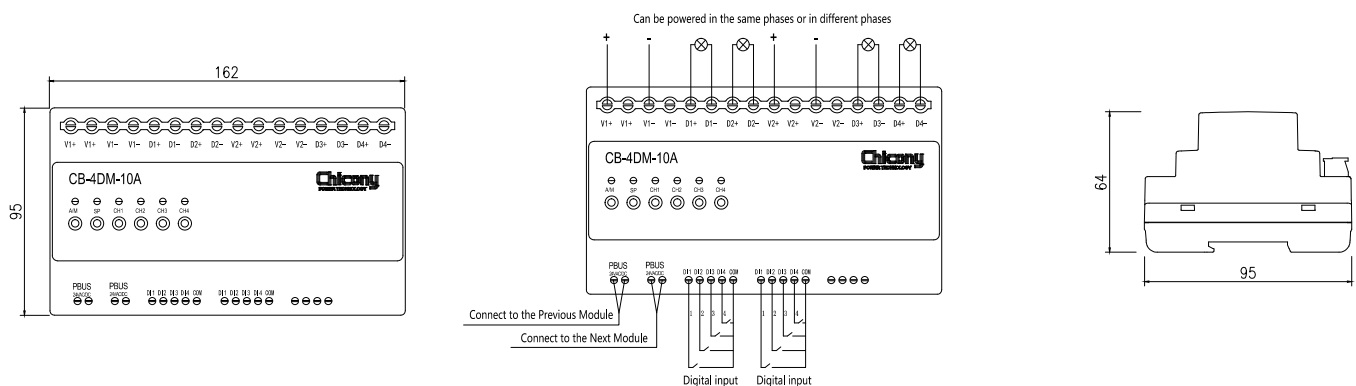
Installation Description

Please follow the instructions defining the terminal block pins on the equipment cover for wiring. The definition of the terminal block pins is shown in the following table. Please disconnect the circuit to prevent electric shock before wiring. Check whether the power supply is within the range of the required voltage before supplying the power for the equipment. The power supply shall not exceed this range, otherwise the module may burn. The installation and placement of the dimming control module shall avoid direct exposure of sunlight and be protected against moisture and rain.

CB-4DM-10A Wiring Pin Definition Table

Name	Marking	Description
PBUS	24VAC/DC	Pyxos bus port
Dimming Output	D1~D4	1-4 Dimming output channels
Digital input	D11~D14	1~4 Channels for digital input
	COM	Public port for digital input
Power	V1+/V2+	9-36VDC
	V1-/V2-	

Dimensions and Wiring Diagram



Description of equipment indicator

1. A/M: For the manual and automatic indicator, red means the automatic status and green means the manual status. Press for 3 seconds to switch the status; the energization is in automatic status by default.
2. SP: This is the button indicator of the pin and the button below is used to acquire the address of the module.
3. H1-CH4: These are the indicators of the dimming output status for 4 channels and the button below is for manual control.