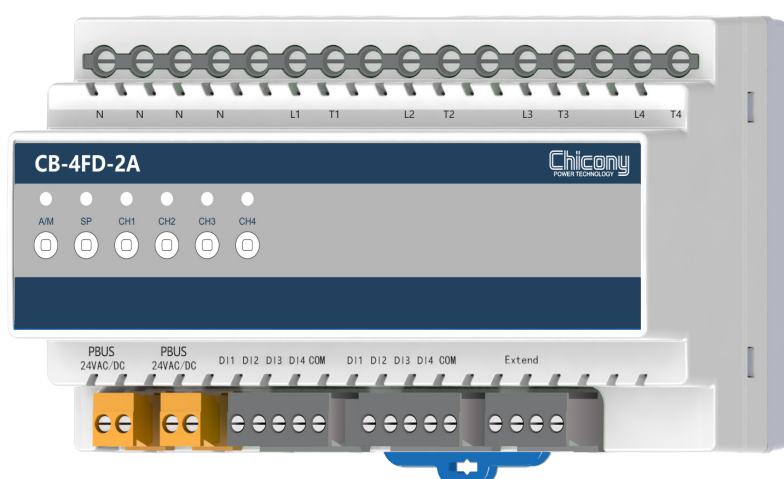


CB-4FD-2A

Dimming Control Module



CB-4FD-2A 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 provides the dimming output function by 4 channels of 2A front silicon controlled rectifier; the digital input can receive signals of switches, alarm devices, and infrared sensors, etc. The dimming output is equipped with other adjustable light sources with resistive load such as the incandescent lamp, halogen lamp, and forward controllable electronic transformer, etc.

Product Model Table

Model	Power	Digital input	Dimming output of silicon controlled rectifier	Pyxos	Consumption
CB-4FD-2A	P bus link power supply	4	4	1	20mA@24V

Technical Parameters

No.	Item	Parameter	No.	Item	Parameter
1	Consumption	20mA@24V	6	Storage temperature and humidity	Normal temperature and 0%-95%RH without condensation
2	Power	P bus link power supply	7	Dimensions	305mm(W) x 185mm(H) x 105mm(D)
3	Silicon controlled rectifier dimming	2A single-way	8	Material of cover	Metal cover
4	Digital input	4 Channels for the passive dry contact	9	Installation method	Wall mounted
5	Operating temperature	-10 to 50°C			

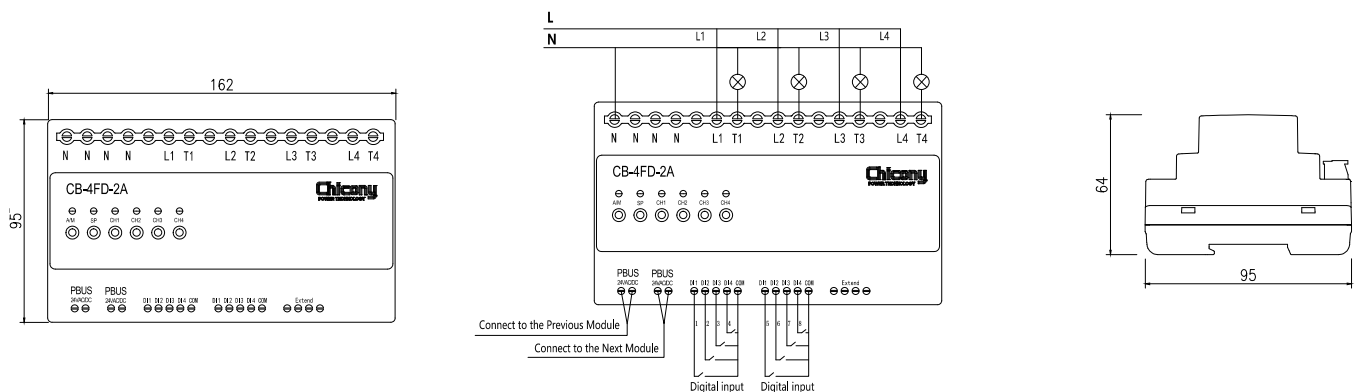
Installation Description

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.

B-4FD-2A Wiring Pin Definition Table

Name	Marking	Description
PBUS	24VAC/DC	Pyxos bus port
Dimming output	T1 to T4	1 to 4 Dimming output channels
	DI1 to DI4	1 to 4 Digital input terminals
Digital input	COM	Public port for digital input
	COM	Public port for digital input
N	Naught wire	220VAC Naught wire terminal
L	Live wire	220VAC Live wire terminal

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.