# Description

SB-DN-6B0-10V 6 Channel 0-10V Ballast Controller, inclusive with 16A relay per channel, can control up to 6ch 0-10V dimmable ballast for dimming fluorescent lamps

#### Features

- . 6ch relay switch output
- . 6ch 0-10V analog signal output
- . Emergency bypass button for each channel
- . Output LED indicator
- . Up to 6 area, each area has 12 scenes, maxi mum operation time 60 minutes
- Device can be restored to previous scene or designed scene.
- Low threshold, high threshold and maximum threshold are available to suit different load for each channel

## **Environmental Conditions**

Working Temperature: -5□~45□ Working Relative Humidity: 20%~90% Storage Temperature: -40□~+55□ Storage Relative Humidity: 10%~93% IP Class: 2.0

### Performance Parameters

- . BUS Power Supply: DC15-30V
- . BUS Power Consumption:

Static: 25mA@DC 24V Dynamic: 40mA@DC 24V

- . Maximum Current per Channel: 16A
- . Current for 0-10V terminal: 100mA
- . Standard 35mm Rail mounting
- . Maximum ballast for each channel: 40 no.

Relay Life time: > 60000

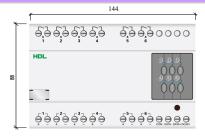
Capacity Load of Relay Unit: < 300μF

Standard 35mm Din Rail Installation

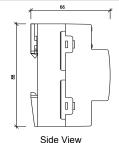
50A magnetic latching relay used

CE approved

### Installation Dimension



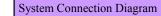
Front View

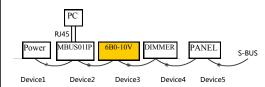


### **Installation Requirements**

For safety , A proper fuse or MCB must be connect to each circuit . The power cable require : 0.2..4 mm² multi- core and 0.4...6 mm² single-core. The tightening torque not exceed 1Nm . Bus connection: CatSe

Modular installation: DIN-Rail. Mounting position: Electric switch box



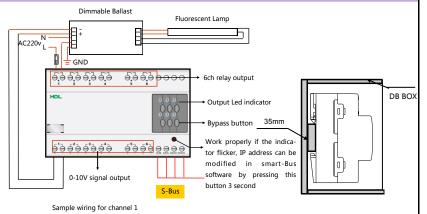


#### Smart-Bus Cat5 Wire Definition

	Brown White/Orange White	СОМ
	Blue White/Green White	DATA-
	Blue/Green	DATA+
	Brown/Orange	DC24V

Recommended Connection: Hand in Hand

# Wiring for installation



# Packing List

SB-DN-6B0-10V	1 PC
Installation Manual	1 PC

## Safety and Maintenance

Read All Instructions in detail before use

Make sure good Ventilation Environment

Pay Attention to Water-proof, shake-proof and dust-proof when using

Non-Rain, Non-Contact with other liquids or corrosive gases

Should be dried in time if invaded by water or liquid

Contact Professional maintenance staff or HDL company when Product has problem