

Description

SB-DN-DT0203 intelligent dimmer module is a MOS control dimmer developed by HDL, is the power output module of the intelligent lighting control system, it has two output channels for different load, the emergency control part can produce direct switch control signal in the scene control section

Environmental Conditions

Working temperature: 0°C~45°C
 Working Relative Humidity: 20%~90%
 Storage temperature: 40°C~+55°C
 Storage Relative Humidity: 10%~93%
 IP Class : 2.0

Features

LED lights for indicating the current output channel status
 Scene controller function
 Up to 2 separate area
 Each area has 12 scenes,
 Maximum run time for scenes:60 minutes
 Up to 6 sequence, 12 steps for each sequence
 Up to 60 minutes of interval between each step
 There are 4 running modes for sequence: Forward, Backward, Random, Forward & Backward.
 Low or High Maximum threshold are available in each channel to suit the different loads
 Bypass function is available in each channel
 Remote program and management via S-bus software
 Recover the previous scene or designated scene after power on
 Over-Current protection
 Over-Heating protection
 Optional dimming modes and curves

Performance Parameters

Bus Power Supply : DC15~30V
 Static State Consumption : 15mA@DC 24V
 Dynamic State Consumption : 20mA@DC 24V
 Output Channel : 2CH
 Maximum Current Per CH : 3A
 2 Channel maximum output Current : **6A**
 Dimming Curve : Curve1.0, Curve1.5, Curve2.0, Curve3.0
 Dimming Modes : Leading Edge , Trailing Edge
 Dimension : 216mm×88mm×66mm
 Communication: HDL-BUS Communication
 Installation Mode : 35mm DIN Rail Mount

Installation Dimension

Installation Requirements

For safety, recommend a proper fuse or MCB be connected to the AC220V ~ 240V input terminal,
 The power cable require : 2.5mm² copper wire
 The input terminal of the module : 2.5mm² copper wire
 Bus Connection : Cat5e

System Connection Diagram

Smart-Bus CAT5 Wire Definition

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

Recommended Connection: Hand in Hand

Wiring For Installation

LED Lights for indicates the current channel status

Working properly if the indicator flicker. IP address can be modified in Smart-Bus software by pressing this button for 3 seconds.

Packing List

SB-DN-DT0203	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
 Contract professional maintenance staff or HDL company when product has problem