

Description

SB-DN-DT0601 intelligent dimmer module is a MOS control dimmer developed by HDL, is the power output module of the intelligent lighting control system, it has 6 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 6 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 : 6CH
Maximum Current Per CH : 1A
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



Front View

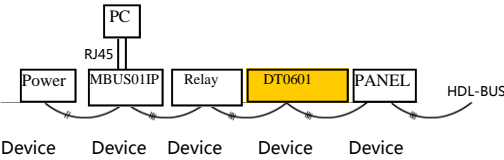


Side View

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

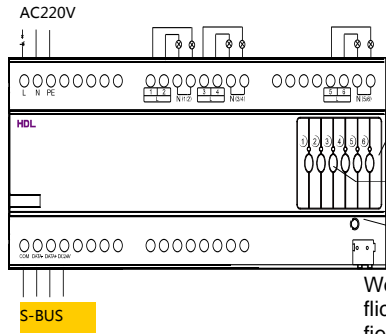


Smart-Bus CAT5 Wire Definition

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

Bypass switch

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

Wiring For Installation

SB-DN-DT0601	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