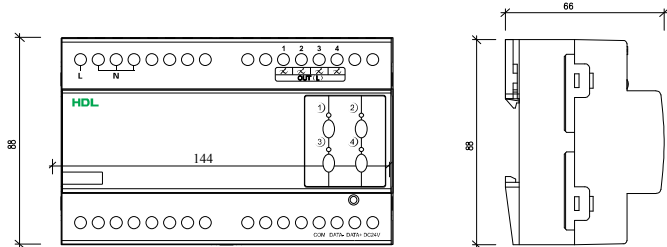


Description	Environmental Conditions
<p>DirRail Mount Leading Edge Technology Dimmer 4ch 3A/per channel with scene controller (Overheat, Overload, Surge Protection) single phase, Both 220/110 VAC, 50-60Hz.(Green operated supplied by 24VAC/25mA)</p>	<p>Working temperature : -5℃~45℃ Working Relative Humidity : 20%~90% Storage temperature : -40℃~+55℃ Storage Relative Humidity : 10%~93% IP Class: 2.0</p>
Features	Performance Parameters
<p>LED lights for indicates the Current Channel Status With Scene Controller Up to 4 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 or 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 The previous scene or designated scene after power on; Over-Current Protection Over-Heating Protection HDL Smart-Bus Communication</p>	<p>Bus Power Supply : DC15-30V Bus Power Consumption: 25mA@DC 24V Output Channel : 4 CH working Voltage: 110-220AC working frequency: 50/60 Hz Maximum Current Per CH : 3A Maximum Current Totally : 10A Dimension : 144mm×88mm×66mm 16A TRIAC used in module CE approved</p>
Installation Dimension	
 <p>Front View</p> <p>Side View</p>	
Installation Requirements	
<p>For safety , Recommend a proper fuse or MCB be connect to the AC220V input terminal . 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: Cat5e. Mounting position: Electric switch box</p> <p>Note: The dimmer can not connect to Non-Dimming lamps for ON/OFF and dimming like electricity-saving lamp, fluorescent lights . Make sure the lamps no short circuit before using the dimmer. Make sure the temperature in the DB not exceed 45 centidegree when the dimmer connect to full load (total load up to 10A) and output full power</p>	

System Connection Diagram

Diagram illustrating the system connection. A PC is connected to a Power device via RJ45. The Power device is connected to an MBUS01IP device, which is connected to a Relay device, which is connected to the SB-DN-D0403 device. The SB-DN-D0403 device is connected to a PANEL device via HDL-BUS. The devices are labeled: Power, Device, Device, Device, Device, Device.

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

Diagram illustrating the wiring for installation. The SB-DN-D0403 device is connected to AC220V (10A/1P) via L, N, and 0V terminals. The output terminals (1, 2, 3, 4) are connected to the load. The device also features LED lights for current channel status, a Bypass Switch, and an S-Bus communication terminal. A 35mm DIN rail is shown on the right side. The device is labeled: HDL, LED lights for indicates the Current Channel Status, Bypass Switch, Work properly if the indicator flicker, IP address can be modified in Smart-Bus software by pressing this button 3second, S-Bus, DB BOX.

Packing List

SB-DN-D0403	1pc
Installation Manual	1pc

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