

## Features

SB-DN-DT0203 Dimmer is based on the technology of MOSFET. It has 2 output channels, manual buttons is available for each channel. The dimming mode of leading edge or trailing edge is optional and selected by the software. This is very useful when user has different type of loads. And also it has short circuit protection and over heat protection.

- Each output channel has LED indicator for status and manual buttons.
- Embedded Scene Controller
- Maximum 2 separate area, and maximum 12 scenes can be set for each area
- Maximum 2 sequence, and 12 steps for each sequence
- Low Threshold, High Threshold, Maximum Threshold are all available for each channel
- It is optional setting of choosing a preset scene or back to previous scene when power on again after power off
- Short circuit and over heat protection
- 4 Dimming curves for each channel
- Support upgrading from HDL Bus

## Important Notes

- Bus cable- HDL Bus/KNX Cable, 0.8mm Single Core Copper cable
- Bus Connection - Series connection (hand by hand)
- Connect checking-Check all connection after installation
- Output Channel - Maximum current of each channel is 3A
- Load type-Incandescent light, halogen, Dimmable LED Light etc
- Assure the working temperature of the Dimmer less than 50 °C
- Trailing edge Mode is not allowed when there is inductive load

## Installation Step

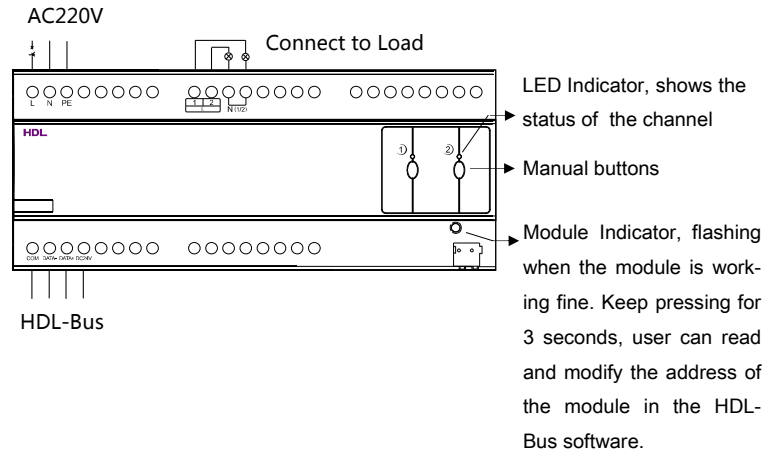
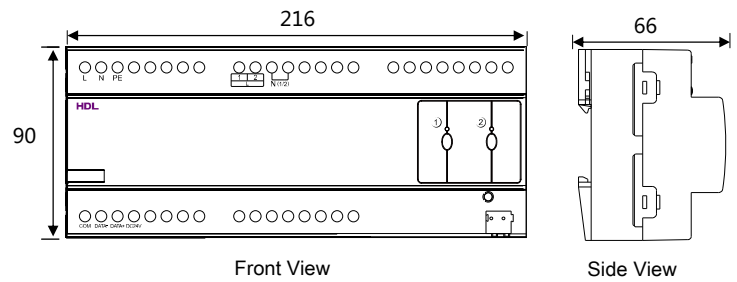
- 35mm Din Rail Installation, inside DB Box
- Connect the load and HDL Bus, Check if there is any short circuit in output connection cable
- Check the HDL Bus connection, avoid any mistake
- Make remark for each output connection cable, recognize high power and low power cable

## Product Specification

- AC Power Supply : AC110V/ 240V
- Working Voltage : DC12~30V
- DC Power Consumption : 25mA/DC 24V
- Output channel : 2CH/3A
- Maximum output channel current in total : 6A
- Dimming curves : Linear, 1.5 power, 2.0 power, 3.0 power
- Dimming Mode : leading edge, trailing edge
- Dimension : 216mm×90mm×66mm
- Certification : CE
- Protection Degree: IP20

## Type

SB-DN-DT0203



## HDL-Bus Definition for cable

HDL - BUS Pro	HDL - Bus/KNX Cable
COM	Black
DATA-	White
DATA+	Yellow
DC24V	Red



## Safety Attention

- ( PE ) should be connected
- Screw down strength is less than 0.4Nm
- Power cable : AC in: 2.5mm<sup>2</sup> ~4mm<sup>2</sup>
- load: 1.5mm<sup>2</sup> ~2.5mm<sup>2</sup>
- Do not select trailing edge mode when connect inductive load, it will damage the dimmer
- Installation Position: Distribution Box (DB)
- Do not make wrong connection on Bus interface, it will damage the Bus interface this module
- Do not get AC240V voltage into Bus wire, it will damage all of devices in system
- Assure a good ventilation circumstances
- Rain, liquid, and aggressive gas are not allowed to close to it