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Features

HDL-MDT0203.233 Dimmer is based on the technology of MOSFET. It has 2 output channels, manual switch 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 switch.
- Maximum 2 separate area, and maximum 12 scenes can be set for each area
- Maximum 6 sequence, and 12 steps for each sequence
- Low Threshold, High Threshold, Maximum Threshold are all available for each channel
- It is optional setting of preset scene or back to previous scene when power on again after power off
- Short circuit and over heat protection
- 4 Dimming curves
- Support online upgrading

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 ℃
- Trailing edge Mode is not allowed when there is inductive load
- Leading edge mode is recommended for inductive load
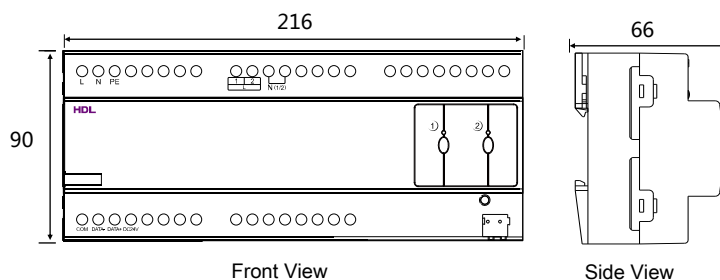
Installation Step

- 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
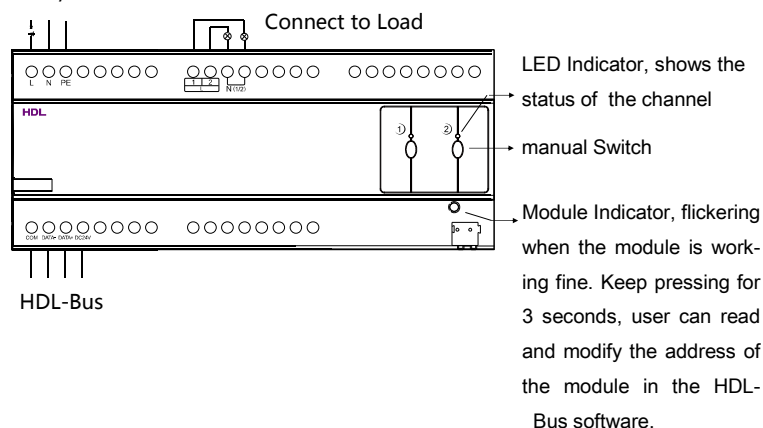
Product Specification

- AC power input：AC110/240V
- Bus working Voltage：DC12~30V
- HDL BUS Power Consumption： 25mA/DC 24V
- Output channel：2CH/3A
- Maximum output channel current in total： 6A
- Dimming curves： Linear 、1.5 exponent、2.0 exponent，3.0 exponent
- Dimming Mode： leading edge ，trailing edge
- Dimension：216mm×90mm×66mm
- Certification：CE
- Protection Degree: IP20

Type

HDL-MDT0203.233

Front View   Side View

AC110/240V

Connect to Load

LED Indicator, shows the status of the channel

manual Switch

HDL-Bus

Module Indicator, flickering when the module is working fine. Keep pressing for 3 seconds, user can read and modify the address of the module in the HDL-Bus software.

HDL-Bus Definition for cable

CAT5/CAT5E	Bus	HDL Bus/KNX Cable
Brown White/ Orange White	COM	Black
Blue white/ Green White	DATA-	White
Blue/Green	DATA+	Yellow
Brown/Orange	DC24V	Red

⚠ WARNING   ## Safety Attention

- （PE）should be connected
- Assure working temperature of the Dimmer less than 50 ℃
- Current in each channel should less than 3A
- Screw down strength is less than 0.4Nm
- Power cable：AC in: 2.5mm^2 ~4mm^2
- Load cable：1.5mm^2 ~2.5mm^2
- 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