

Features

HDL - MD0403.432, 4 channel 3A Dimmer, supports AC240V and AC110V power input. It has 2 output channels, each channel has a bypass button for manual control. There is a fuse protection for each channel, the Dimmer will be protected in case of short circuit. LED indicator will show you which channel has short circuit.

- Up to 4 separate Areas and max 12 scenes for each area
- Up to 6 sequences and each sequence has 12 steps
- 4 Dimming curves, the dimming accuracy is 512 step
- Low, high, max threshold for each channel
- Bypass button for manual control available for each channel
- It is optional setting of choosing a designated scene or back to previous scene when power on again after power off
- Short circuit and over heat protection
- Max 3A of each channel, 6A fuse of each channel for protection (aR type)
- Support HDL-Bus Pro online upgrading and Easy program mode

Important Notes

- Bus cable- HDL Bus/KNX Cable, 0.8mm Single Core Copper cable
- Bus Connection - Series connection (hand by hand)
- AC power - make sure input AC voltage match with setting in dimmer module
- Connect checking-Check all connection after installation
- Output Channel - Maximum current of each channel is 3A
- Fuse - The replace fuse of the broken one must be the same type (aR type)
- Load type - Incandescent light, halogen, LED Light etc
The load must be suitable for leading edge dimming
- Assure the working temperature of the Dimmer less than 50 °C

Installation step

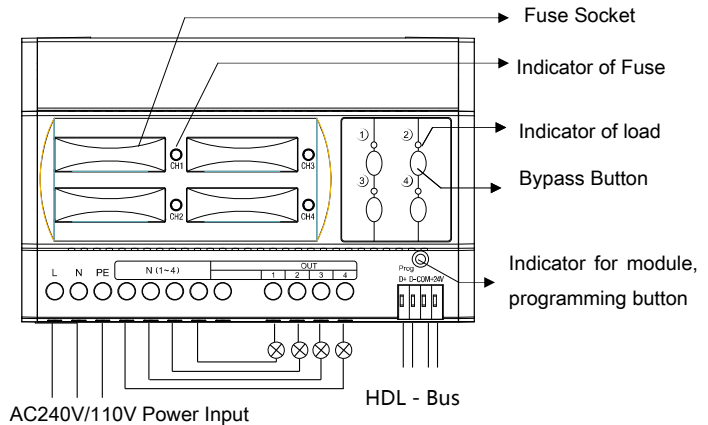
- 35mm Din Rail Installation, inside DB Box
- Make remark for each output connection cable
- Check if there is any short circuit in output connection cable
- Connect the load cable and HDL Bus cable
- Check the HDL Bus connection, avoid any mistake
- Isolate the high voltage and low voltage cable

Installation Steps

- Working Voltage : DC15~30V
- Power Consumption : 28mA@DC 24V
- Output channel : 4CH/3A
- Fuse : 6A aR type
- TRIAC : 16A TRIAC, Minimum Load 30w
- Dimming curves : Linear, 1.5 exponent, 2.0 exponent, 3.0 exponent
- Dimension : 144mm×90mm×66mm
- Certification : CE
- Protection Degree: IP20
- Working Temperature : 0~45°C
- Working relative Humidity : 20%~90%
- Storage Temperature : -40°C~+55°C
- Storage relative Humidity : 10%~93%

Type

HDL - MD0403.432



Indicator for module and easy program mode

Indicator : Flicker when the module is working fine. Keep pressing the indicator for 3 seconds, it turns to red color, then it is read and the address of the module can be modified in the HDL Bus Pro set up software.

Steps for easy program mode :

1. Keep pressing the module indicator for 20S, all output channel will be turned off automatically, LED indicator is flickering fast.
2. Pressing the 9, 10 button of DLP switch together- Enter programming mode.
3. Turn on the channel which need to program by using the bypass button
4. Choose a button which to be used to control the channel which selected in step 3.
5. Press the Indicator again, finish the programming. This function is to be used with the new generation DLP.

HDL-Bus Definition for cable

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



Safety Attention

- Fuse must be aR type, and current not more than 6A
- **Turn off the power of Dimmer when replace Fuse**
- (PE) should be connected
- Assure working temperature of the Dimmer less than 50 °C
- Current in each channel should less than 3A
- Screw down strength is less than 0.4Nm
- Power cable : AC in: 2.5mm² ~4mm², load : 1.5mm² ~2.5mm²
- Installation Position: Distribution Box (DB)
- Do not make wrong connection on Bus interface, it will damage the Bus interface this module
- Avoid the rain or water into module, it will damage this devices
- 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