

Parameters

Electric Parameters:

| | |
|-----------------------|------------|
| Bus Working Voltage | DC15~30V |
| Bus Power Consumption | 40mA/DC24V |
| LED Output Channel | 6CH/5A |
| LED input voltage | DC12~30V |

Environmental Conditions:

| | |
|---------------------------|-------------|
| Working Temperature | -5°C~45°C |
| Working Relative Humidity | Up to 90% |
| Storage Temperature | -20°C~+60°C |
| Storage Relative Humidity | Up to 93% |

Approved

CE

RoHS

Production Information:

| | |
|-------------------|----------------------------|
| Dimensions | 144×90×66 (mm) |
| Net weight | 351g |
| Housing Material | Nylon, PC |
| Installation | 35mm DIN rail installation |
| Protection rating | IP20 |

Important Notes

- **BUS cable** – HDL Buspro/KNX cable, 0.8mm single-core copper cable
- **BUS connection** – Series connection (hand-in-hand)
- **Load type** – Constant Voltage LED Light, need to connect extra power supply to match the voltage of LED Light
- **Connect checking** – Check all connection after installation
- **Output channel** – Max current in output channel is 5A
- **DC24V Input** – This is the working power supply for load, the input voltage should be less than DC30V. It is not allowed to use the power from HDL Buspro Interface
- **Connection for multi lights** – parallel connection

HDL Buspro Cable Guide

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

Overview



HDL - MDLED0605.432 6 channel 5A Intelligent LED Dimming Module, it can be used to control the LED light which has constant voltage. It has 6 output channel, each channel has a bypass button for manual control. Scene and sequence functions are available.

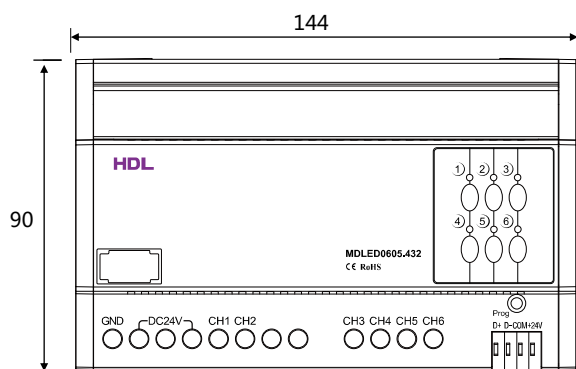
Functions

- Up to 6 separate areas, max 12 scenes in each area
- Each area has 1 sequence, each sequence has 12 steps, running time for each step is 60 minutes, the sequence has 4 running modes: "forward", "backward", "forward and backward", "random"
- Low, high, max threshold for each channel, suitable for different load
- 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 current protection are available
- Max current in Each channel :5A
- PWM Constant Voltage Output
- Support easy programming
- Support HDL-Buspro online upgrading

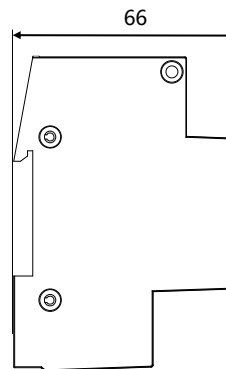
Installation Steps

- 35mm DIN rail installation, inside DB Box.
- Connect Load and HDL Bus cable.
- Check the HDL Bus connection, avoid any mistakes.
- Check the extra DC power supply, check the voltage and current if match the LED light.
- Check the load connection, avoid any mistakes.

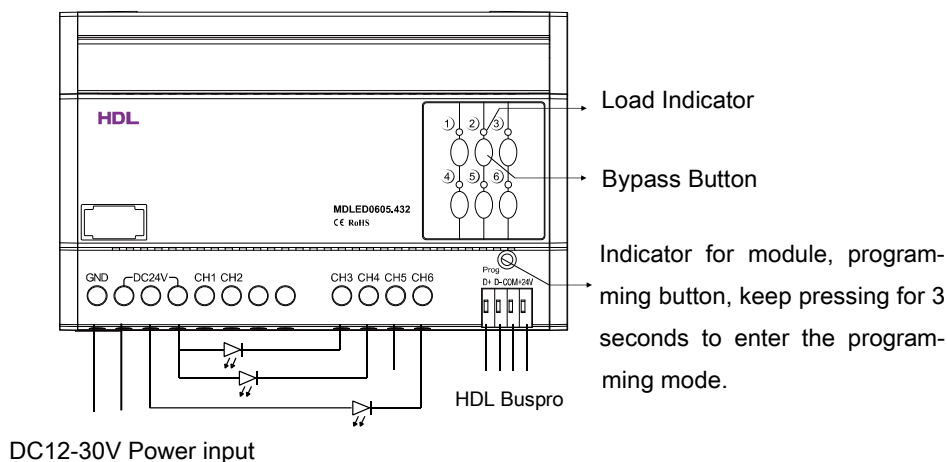
Dimensions and Wiring



Front View



Side view



Note: Take the connection of channel 3, 4 and 6 as an example

Safety Precautions

- The screw down strength should not exceed 0.4Nm
- LED Light Cable: 2.5 - 4mm² copper cable
- Do not make wrong connection on Bus interface, it will damage the Bus interface of this module
- Do not get AC220V voltage into Bus wire, it will damage all devices in the system
- Ensure good ventilation
- Avoid contact with the liquids and aggressive gases

Package Contents

- Device*1/Datasheet*1/ Bus terminal*1