

Parameters

Electrical Parameters:	
Buspro Working Voltage	DC15~30V
Buspro Power Consumption	40mA/DC24V
LED Output Channel	6CH/5A
LED input voltage	DC12~30V
Environmental Conditions:	
Working Temperature	0°C~45°C
Working Relative Humidity	Up to 90%
Storage Temperature	-20°C~+60°C
Storage Relative Humidity	Up to 93%
Approved	
CE	
RoHS	
Product Information:	
Dimensions	144×90×66 (mm)
Weight	351g
Housing Material	Nylon, PC
Installation	35mm DIN rail installation
Protection	IP20

Important Notes

- **Buspro cable** – HDL Bus/KNX cable, 0.8mm single-core copper cable
- **Buspro 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
- **LED Light Cable** - 2.5 - 4mm² copper cable

HDL Buspro Definition for Cable

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.

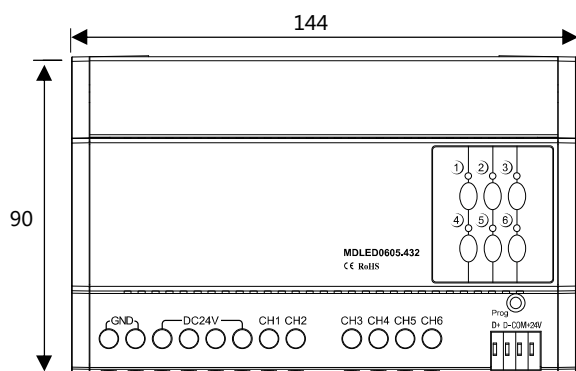
Functions

- Up to 6 separate areas, max 12 scenes in each area
- Up to 6 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

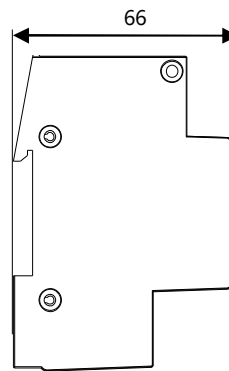
Installation Step

- 35mm DIN rail installation, inside DB Box.
- Connect Load and HDL Buspro cable.
- Check the HDL Buspro 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.

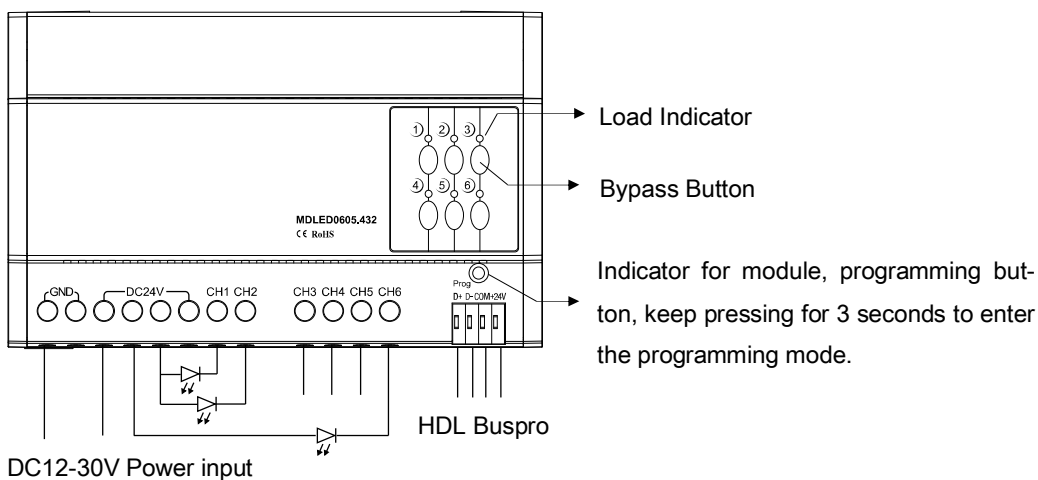
Dimensions and Wiring



Front View



Side view



Note: Take the connection of channel 1, 2 and 6 as an example.

Safety precaution



- The screw down strength should not exceed 0.4N
- Do not make wrong connection on Buspro interface, it will damage the Bus interface of this module
- Never let liquids get into the module, it will damage this device
- Do not get AC240V voltage into Bus wire, it will damage all devices in the system
- Ensure good ventilation
- Avoid contact with the liquids and aggressive gases

Packing List

- Datasheet*1 / HDL-MDLED0605.432*1

