

Parameters

Electrical Parameters:

Buspro Working Voltage	DC15~30V Class 2
Buspro Power Consumption	30mA/DC24V
Relay Channel Output	6CH, 10A/CH
0-10V Output	50mA/CH (Total current is less than 100mA)

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, UL

Product Information:

Dimensions	144×90×66 (mm)
Weight	449.5(g)
Housing Material	Nylon, PC
Installation	35mm DIN rail installation
Protection rating	IP20
HDL Buspro cable	Single-core 0.8mm copper cable
Installation position	Distribution box (DB)

Important Notes

- Buspro cable - HDL Buspro/KNX cable, 0.8mm single-core copper cable
- Buspro Connection - Series connection (hand-in-hand)
- Load in each channel - Less than 800w dimmable fluorescent tube
- 0-10V Load - Output in each channel is 50mA, total in 6 channels are less than 100mA
- Each channel needs to connect to a breaker or fuse for protection
- Connect checking - Check all connection after installation

HDL Buspro Cable Guide

HDL Buspro	HDL Buspro/KNX
DC24V	Red
COM	Black
DATA-	White
DATA+	Yellow

Overview



HDL - MRDA0610.432 6-channel 10A DC0 - 10V output module is a multifunction control module. It has 6-channel relay outputs and it is suitable for switch control. It has 6-channel for 0-10V analog signal outputs (supports input and output). It can control the 0-10V Dimmable fluorescent Tube, 0-10V LED light, etc. The module is to be used in lighting , switch control in the office and building area.

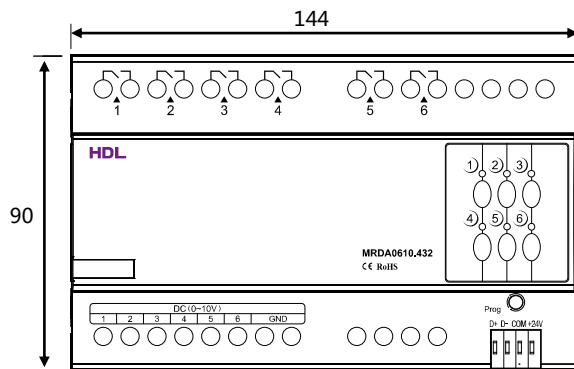
Functions

- 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
- You can select specified scene or scene before power off when device restarts
- Easy programming mode is available
- Supports HDL Buspro Pro online upgrading

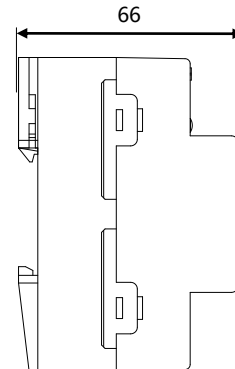
Installation Steps

- 35mm DIN rail installation, inside DB box.
- Connect Load, 0-10V cable, HDL Buspro cable.
- Check the HDL Buspro connection, avoid any mistakes.
- Check the load connection and 0-10V, make sure the positive and negative poles are connected correctly.

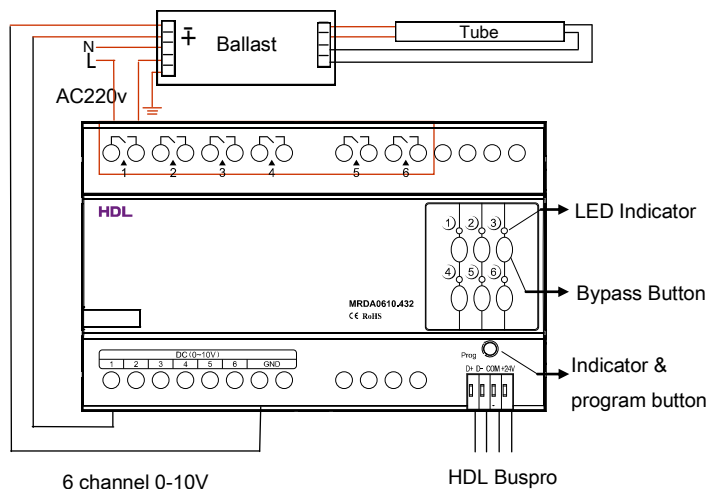
Dimensions and Wiring



Front View



Side view



LED Indicator: shows the status of the channel
Indicator & program button: Flickers when the module is working properly. Keep pressing the indicator for 3 seconds, it turns to red, then user can read and modify the address of the module in the HDL Buspro set up software.

Note : Take the connection of channel 1 as an example

Safety Precautions

- Each channel needs to connect breaker or fuse for protection
- The screw down strength should not exceed 0.4Nm
- Do not make wrong connection on Buspro interface, it will damage the Buspro interface of this module
- Never let the liquids get into the module, it will damage this device
- Do not get AC power into Buspro wire, it will damage all devices in the system
- Avoid contact with liquids and aggressive gases
- CAUTION - Risk of Electric Shock - More than one disconnect switch may be required to de-energize the equipment before servicing**

Package Contents

- | | |
|-------------------------------------|----|
| ■ Datasheet | ×1 |
| ■ Ballast Dimmer (HDL-MRDA0610.432) | ×1 |
| ■ Bus terminal | ×1 |