

Features

HDL-MRDA0610.432, 6 channel 10A DC0 - 10V output module is a multi-function control module. It has 6 channel relay output, which suitable for on/off control. It has also 6 channel 0-10V analog signal output (support input and output), which is suitable for controlling the 0-10V Dimmable fluorescent Tube, 0-10V LED light etc. The module is to be used in lighting, on/off control in the application of office and building.

- 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
- Easy program mode is available
- Support HDL-Bus Pro online upgrading

Important Notes

- Bus cable - HDL Bus/KNX Cable, 0.8mm Single Core Copper cable
- BUS Connection - Series connection (hand by hand)
- Load in each channel - less than 800w Dimmable Fluorescent Tube
- 0-10V Load - Output in each channel is 100mA, total in 6 channels are less than 300mA
- Extra Power Input - 0-10V Output need connect a Exterior 24V DC Power supply. Power supply from HDL Bus is not allowed
- Connect checking-Check all connection after installation
- Each channel need to connect a breaker or fuse for protection

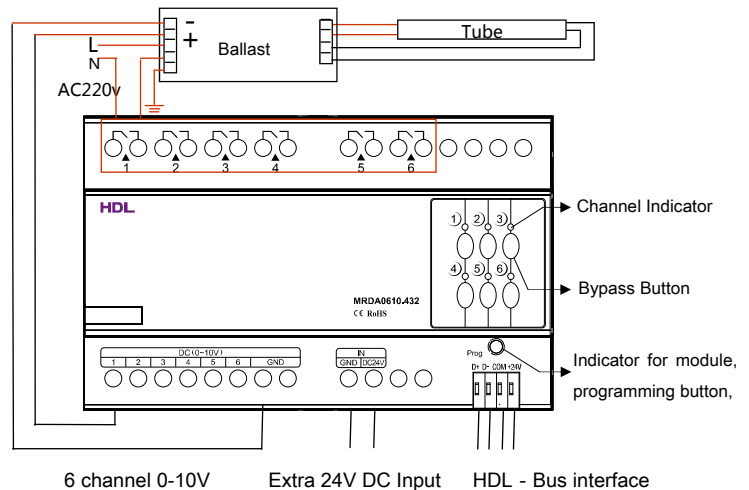
Installation Step

- 35mm Din Rail Installation, inside DB Box
- Connect Load, 0-10V cable, HDL Bus cable
- Check the HDL Bus connection, avoid any mistake
- Check the load connection and also 0-10V, make sure the positive and negative pole are connected correctly

Product specification

- BUS Working Voltage : DC15~30V
- BUS Power Consumption : 30mA@DC 24V
- Relay channel output : 6CH/ 10A
- 0-10V Output : 6CH/100mA (Total current is less than 300mA)
- 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



Note : Take the connection of channel 1 as an example

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, 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



WARNING Safety Attention

- Each channel need to connect breaker or fuse for protection
- Screw down strength is less than 0.4Nm
- HDL Bus Cable : single core 0.8mm² copper cable
- 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
- Rain, liquid, and aggressive gas are not allowed to close to it