

Features

HDL-MC64-DALI.431 64 channel DALI controller built-in DALI power supply, with a single DALI bus, maximum 64 DALI lighting equipment.

- Gateway between HDL-Bus system and Dali Ballast
- Max. 64 channel Dali ballasts can be connect to this module
- With scene control
- Maximum 16 Separate areas, support area dimming
- Each area have 16 scenes and Maximum scenes running time is 90.51s
- Each channel can set low limit, high limit
- system failure and Power restored
- Recover the previous scene or specific scene after power on
- Short circuit protection for DALI wires
- Support HDL-Bus online upgrading

Important Notes

- **Bus cable** - HDL Bus/KNX cable ,0.8mm Single Core Copper cable
- **Bus connection** -Recommend connection of Bus wire hand by hand
- **Check Connections** – Re-tighten all connections after installation.
- **Check power wire** – Make sure the power wire connect to AC terminal of module correctly
- Ballast type– DALI
- Check the DALI connection ,There are no polar require for DALI Bus.
- **DALI Bus power** – Support AC110V/AC220V/DC24V

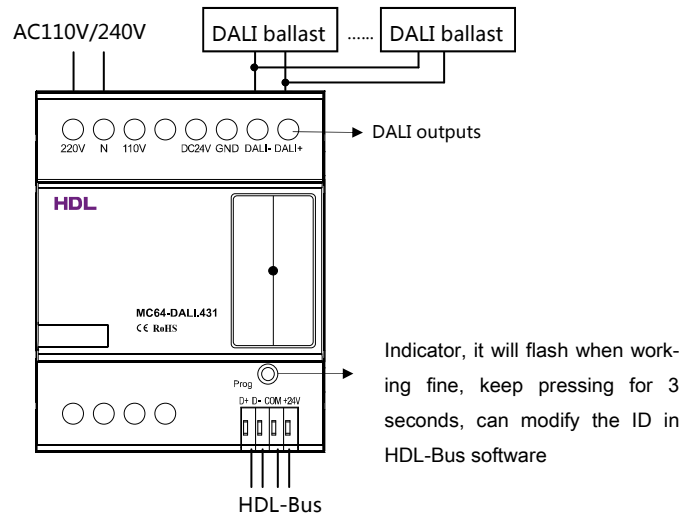
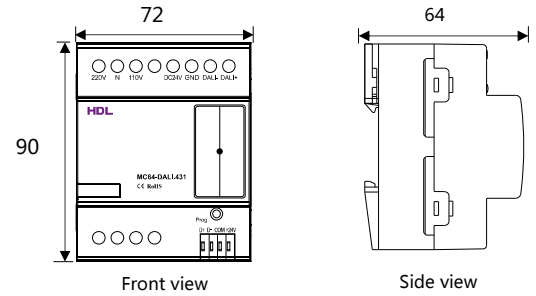
Installation Steps

- Labeling for AC power wires ,DALI and HDL Bus wire
- Mount the device on a DIN rail of DB
- Connect wires for AC input of module, make sure the terminal position is correct .
- Make sure the Bus cable type is correct and has no circuit short
- Connect bus cables. Make sure the color of wire same as definition of Bus
- Tidy the all Wire and separate Bus wire from AC power wire

Product Specifications

- Working Voltage : 15-30 V DC
- Power Consumption : 15mA@DC 24V
- DALI BUS power : AC220V/AC110V/DC24V
- IP Protection: IP2 0
- Standard 35mm Din Rail Installation
- Dimension : 72mm×90mm×66mm
- Working Temperature: 0°C ~ +45°C
- Working Relative Humidity: 20% - 90%
- Storage Temperature: -40°C- +55°C
- Storage Relative Humidity: 10% - 93%

Types and Wiring



HDL-Bus Definition for cable

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



Safety Attention

- The tightening torque do not exceed 0.4Nm,
- Power cable require : 0.75mm² to 2.5mm² wire
- DALI Bus cable require: 0.75mm² to 1.5mm²
- Mounting position: DB
- Do not make wrong connection on Bus interface, it will damage the Bus interface of DALI module
- Do not get AC220V voltage into Bus and DALI wire , it will damage all of devices in system
- Avoid the rain or water into module, it will damage this devices