

Parameters

Electric Parameters:	
Power supply	DC15~30V
HDL Buspro power consumption	15mA/DC24V
DALI BUS power	AC220V/AC110V
Interface	HDL Buspro, DALI
Environmental Conditions:	
Working temperature	-5°C~45°C
Working relative humidity	Up to 98%
Storage temperature	-20°C~+60°C
Storage relative humidity	Up to 93%
Approved	
CE	
RoHS	
Production Information:	
Dimensions	72×90×66 (mm)
Weight	379.5g
Housing material	Nylon, PC
Installation	35mm DIN rail installation
Protection degree	IP20

Important Notes

- **HDL Buspro cable** – HDL Buspro/KNX cable, 0.8mm-single core copper cable
- **HDL Buspro connection** – Recommended connection of Bus wire: hand-in-hand
- **Check Connections** – Re-tighten all connections after installation.
- **Check power wire** – Make sure the power wire connects to AC terminal of module correctly
- **Ballast type** – DALI
- Check the DALI connection, There are no polar requirements for DALI Bus.

HDL Buspro Definition for Cable

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

Overview



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

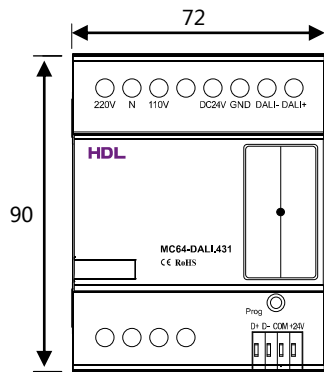
Functions

- Gateway between HDL Buspro system and Dali Ballast
- Max. 64 channel Dali ballasts can be connected to this module
- With scene control
- Maximum 16 separate areas, supports area dimming
- Each area has 16 scenes and Maximum scenes running time is 90.51s
- Each channel can set low limit, high limit
- It has built in DALI power supply and it insulates with HDL Buspro
- You can choose specified scene or scene before power off when the device restarts
- Short circuit protection for DALI wires

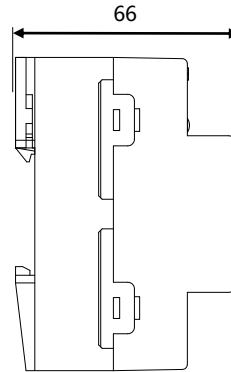
Installation Step

- Labeling for AC power wires, DALI and HDL Buspro 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 complies with the definition of Bus
- Tidy the all wires. Separate Bus wire and AC power wire

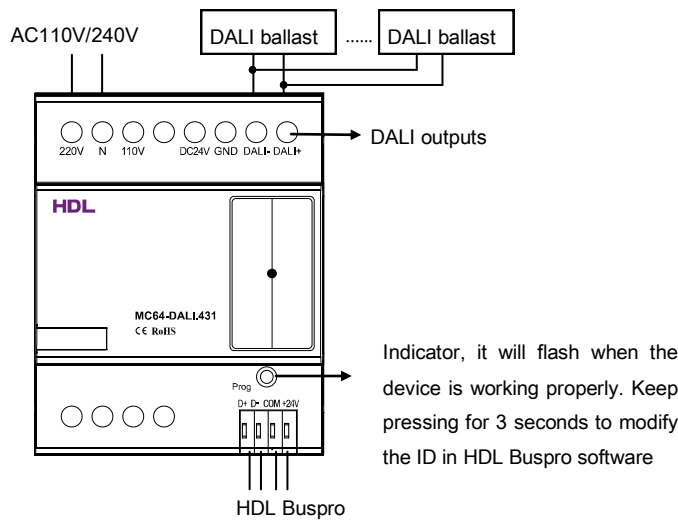
Dimensions and Wiring



Front View



Side view



Safety attention



- The tightening torque does not exceed 0.4Nm
- Power cable: 0.75mm² to 2.5mm² wire
- DALI Bus cable: 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 devices in the system
- Never let liquids get into the module, it will damage this device

