

Parameters

Electrical Parameters:

Power supply	DC15~30V
Buspro power consumption	15mA/DC24V
DALI BUS power	AC220V or AC110V(there are 2 kinds of power,)
Interface	Buspro, DALI

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

Product Information:

Dimensions	72×90×66 (mm)
Net weight	379.5g
Housing material	Nylon, PC
Installation	35mm DIN rail installation
Mounting position	DB Box
Protection rating	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.
- **Ballast type** – DALI.
- Check the DALI connection, There are no polar requirements for DALI Bus.

HDL Buspro Cable Guide

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-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.

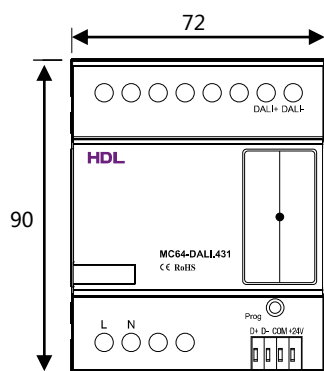
Functions

- Gateway between HDL-Bus 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.
- Supports HDL Buspro online upgrading.

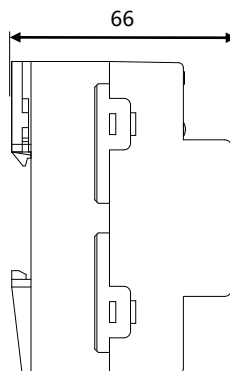
Installation Steps

- Mount the device on a DIN rail of DB.
- Labeling for AC power wires, DALI and HDL Buspro wire.
- Connect AC power, DALI devices and Buspro cable.
- Make sure the Bus cable type is correct and has no circuit short.
- Check DALI Connection, ensure the ballast is correctly connected to the DALI output terminal (DALI - , DALI+).
- Tidy the all wires. Separate Bus wire and AC power wire.

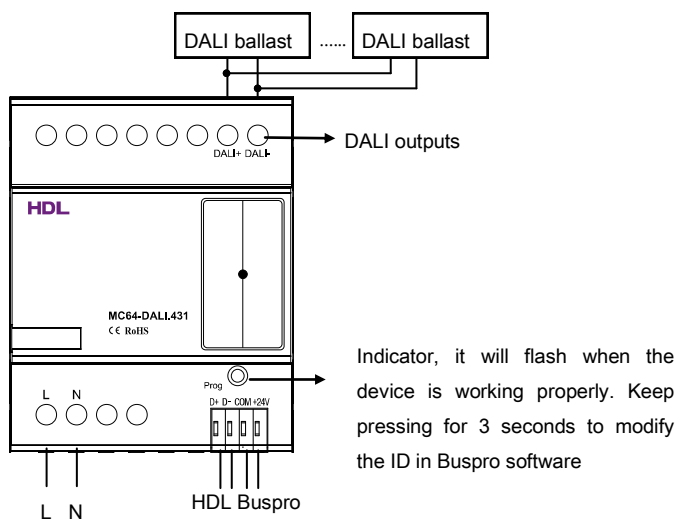
Dimensions and Wiring



Front View



Side view



Safety Precautions

- The tightening torque does not exceed 0.4Nm.
- DALI Bus cable: 0.75mm² to 1.5mm²
- Power cable: 0.75mm² to 2.5mm²
- Installation: DB box.
- Do not make wrong connection on Buspro interface, it will damage the Buspro interface of DALI module.
- Do not get AC220V voltage into Buspro and DALI wire, it will damage all devices in the system.
- Do not let the device come into contact with liquids and corrosive gases.
- Ensure good ventilation.

Package Contents

- MC64-DALI.431 1pc
- Datasheet 1pc
- Bus interface 1pc