

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 98%
Storage temperature	-20°C~+60°C
Storage relative humidity	Up to 93%

Approved

CE

RoHS

Product Information:

Dimensions	72×90×66 (mm)
Weight	379.5g
Housing material	Nylon, PC
Installation	35mm DIN rail installation
Mounting position	DB Box
Protection degree	IP20
DALI Bus cable	0.75mm ² to 1.5mm ²
Power cable	0.75mm ² to 2.5mm ² wire

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

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.

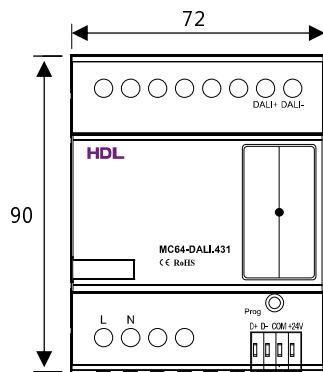
Functions

- 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.

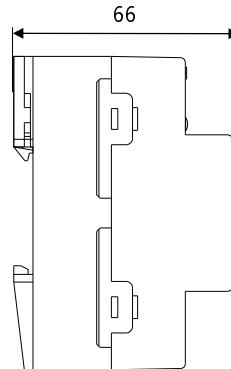
Installation Step

- 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 buspro cables. Make sure the color of wire complies with the definition of Bus.
- Tidy the all wires. Separate Bus wire and AC power wire.

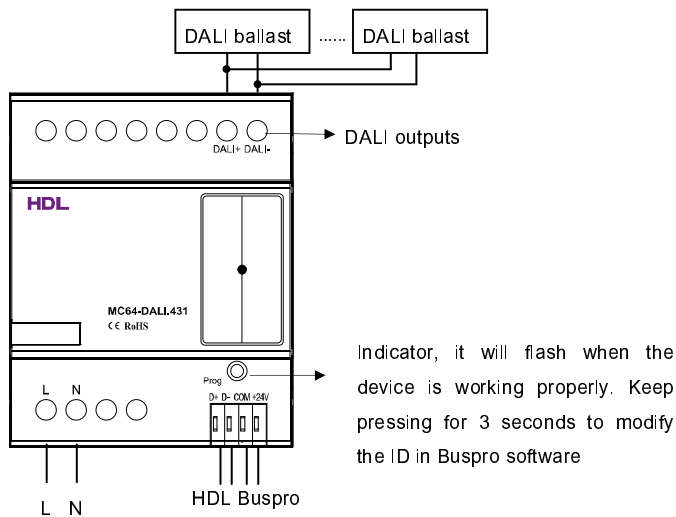
Dimensions and Wiring



Front View



Side view



Safety attention



- The tightening torque does not exceed 0.85Nm.
- 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.
- Never let liquids get into the module, it will damage this device.

Packing list

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

