Parameter

Electric Parameters:	
Working power	21-30V DC
Bus interface	KNX/EIB
Dynamic current	< 12mA
Static current	<5mA
Rated voltage	AC85-135V(60Hz) ---USA AC195-265V(50Hz)
KNX BUS terminal	(Red/Black)0.6-0.8mm Diameter single core
Environmental Conditions:	
Working temperature	0℃~45℃
Working relate Humidity	Up to 90%
Storage Temperature	-20℃~+60℃
Storage relative Humidity	< 93%
Approved:	
CE, ROHS	
KNX	
Production Information:	
Dimension	H90x W72 x D65（mm）
Net Weight	326.2g
Housing material	Nylon, PC
Installation	35mm Din rail installation
Protection degree	IP20

Important Notes

■ Labeling for AC power wires, DALI and KNX/EIB 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 KNX/EIB.

■ Tidy the all wires. Separate KNXEIB BUS wire and AC power wire.

Overview

HDL-M/DALI.1 HDL KNX DALI module can connect up to 64 DALI devices for address assignment and management.it can be real-time to detect the device fault, such as DALI fault,Lamp fault,Ballast fault. For each channel and group, supports Switch ON/OFF , Relative dimming , Absolute dimming,1bit and 1byte statues response function. Supports the KNX standard dimming curve and DALI standard dimming curve.
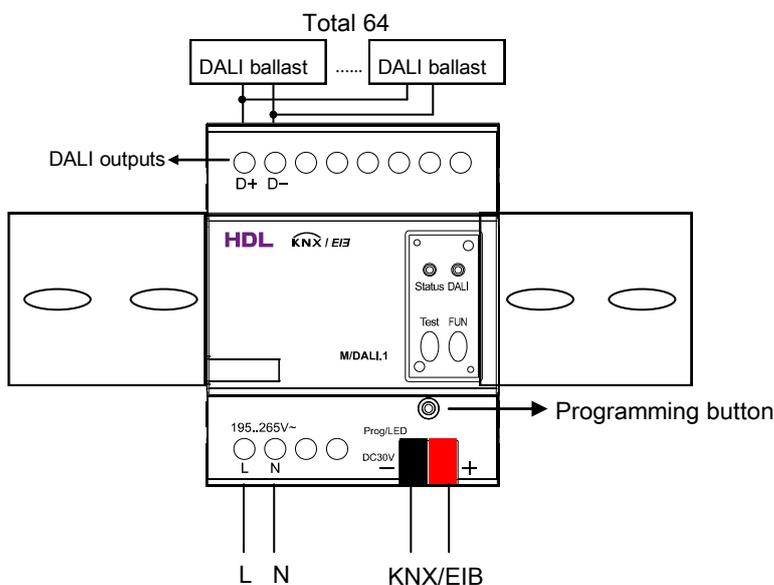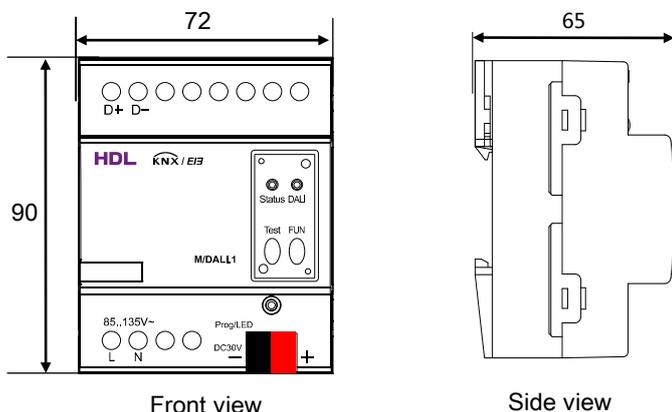
Features

■ Fault status report

■ Central control

■ 22 Channel control

■ 16 Group control

■ 32 Scene control

■ 16 Staircase light control

■ 16 Sequence control

■ 16 Emergency light control

Installation Step

■ **Bus cable** - KNX/EIB standard cable

■ **Special programming -** This device is designed for professional KNX installation. It must be programmed by ETS software.

■ **Power supply** - must use KNX approved power supply, the voltage between 21-30V.

■ **Check power wire** – Make sure the power wire connect to AC terminal of module correctly.

■ **Ballast type –** DALI.

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Layout and Wiring

Front view

Side view

Note: the module has 2 kinds of rated voltage, do not make wrong connection of voltage.

Safety attention ⚠ WARNING

- The tightening torque do not exceed 0.4Nm.
- Power cable require : 0.75mm^2 to 2.5mm^2 wire.
- DALI Bus cable require: 0.75mm^2 to 1.5mm^2.
- Mounting position: DB.
- Do not make wrong connection on KNX/EIB interface, it will damage the Bus interface of this interface module.
- Do not get AC voltage into KNX/EIB wire, it will damage all devices in the system.
- Never let liquids get into the module, it will damage this device.

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