

## Features

- TRIAC dimmer actuators can dim for 2,4 and 6 channels independent loads.
- Leading edge dimming mode for dimmer.
- The dimmers may be used for dimming ordinary incandescent lamps, low voltage halogen lamps and other light sources which support leading edge dimming
- The module functions: Statistics total ON time, Status response, Status recovery, Over temperature protection, Read temperature, Over temperature alarm, Staircase light, Flashing light, Scene control, Scene dimming, Sequence control, Threshold control, Heating actuator (PWM), 1.5 power dimming curve .
- Short circuit fuse protection, overload fuse protection, overheat power reduce.

## Important Notes

- **Special Programming** – This device is designed for professional KNX installation. It must be programmed by ETS software.
- **Load type**–Incandescent light, halogen, dimmable LED light etc. The load must be suitable for leading edge dimming
- Leading edge dimming mode is recommended for inductive load and resistive
- **Check Connections** – Re-tighten all connections after installation.
- **Output Circuit** – Total current should not exceed 10A.
- **Fuse** - The replace fuse of the broken one must be the same type(aR type)

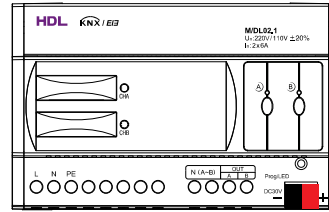
## Installation Steps

- Labeling for AC power wires, loads wires and KNX/Bus wire
- Mount the device on a DIN rail of DB
- Connect wires for loads and AC power
- Make sure there is no short or open circuit.
- Make sure the KNX cable type is correct and has no short circuit
- Connect KNX cables. Make sure the color is correct
- Tidy the all wire and separate KNX wire from AC power wire

## Product Specifications

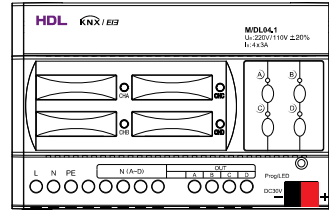
- **Working Voltage:** 21-30V DC
- **Communication:** KNX/EIB
- **Dynamic Current :** < 12 mA
- **Static Current:** < 7 mA
- **Output Current:** 2 Ch/ 6A, 4 Ch/3A, 6 Ch/2A,
- **Rated Voltage:** AC 220V/110V±20% (50/60 Hz)
- **User Controls:** Manual Over-ride switch for each channel, KNX LED & button programming
- **KNX Terminals:** KNX Bus Terminal – Wago 252 (Red /Black) 0.6 – 0.8mm single core cable
- **Output Terminals:** Line In, Line Out for each channel 2.5-4mm<sup>2</sup>
- **Compliance:** CE, KNX
- **Dimensions:** H144mm x W90mm x D 66mm
- **Working Temperature:** -5°C~45°C
- **Working Relative Humidity:** 10%~98%
- **Storage Temperature:** -40°C~55°C
- **Storage Relative Humidity:** 10%~98%
- **IP class:** IP20

## Types



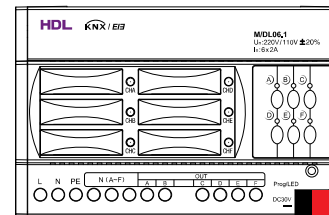
M/DL02.1

- 2Ch/6A
- Fuse: 10A aR type
- Silicon controlled: 25A TRIAC
- Minimum load 40W



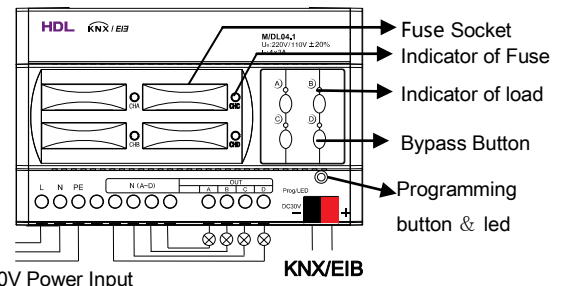
M/ DL04.1

- 4Ch/3A
- Fuse: 8A aR type
- Silicon controlled: 25A TRIAC
- Minimum load 40W



M/ DL06.1

- 6Ch/2A
- Fuse: 4A aR type
- Silicon controlled: 16A TRIAC
- Minimum load 40W



AC240V/110V Power Input

KNX/EIB



WARNING

- Screw down strength should not exceed 0.4Nm
- Connect a breaker for the device
- Installation position: Distribution Box (DB )
- Do not make wrong connection on KNX/EIB interface, it will damage the KNX/EIB interface of this module
- Do not get AC240V voltage into KNX/EIB Bus wire , it will damage all devices in the system
- Ensure good ventilation
- Avoid contact with liquid and aggressive gas