Features

- HDL-M/LCR.1, line coupler/Repeater is coupling a KNX-TP-mainline with a KNX-TP-sub line.
- It provides galvanic isolation between the two connected lines.
- The coupler can be used as a line coupler to connect a line to a main line or as a backbone coupler to connect a main line to a backbone line.
- The main task of M/LCR.1 is filtering the traffic according the installation place in the hierarchy or according to the built in filter tables for group oriented communication.

Important Notes

- **Special Programming** – This device is designed for professional KNX installation. It can only be programmed by ETS software.
- **Cable Connections** – Do not get wrong connection for Black and Red wires
- **Voltage** - The input of voltage must be between 21-30VDC.

Installation Steps

- Make sure the Bus cable type is correct and has no circuit short
- Connect bus cables. Make sure the color of wire same as definition.

Product Specifications

- **Bus Voltage :** 21-30V DC
- **Bus Interface :** KNX/EIB
- **BUS Current :** <30mA
- **KNX Terminal:** 0.75 – 0.85mm Diameter Single Core
- **KNX cable:** 0.75 – 0.85mm Diameter Single Core
- **Certification**: KNX-certified, CE
- Installation: Standard 35mm Din rail
- Construction Dimensions: H90mm x W36mm x D 70
- Working Temperature: -5℃~45℃
- Working Relative Humidity: 10%~98%
- Storage Temperature : -20℃~60℃
- Storage Relative Humidity: -5%~93%
- IP class: IP20

Installation

KNX Power supply   KNX Power supply

Main Bus
Sub Bus
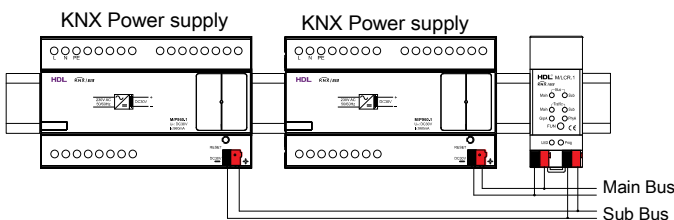
Type

M/LCR.1
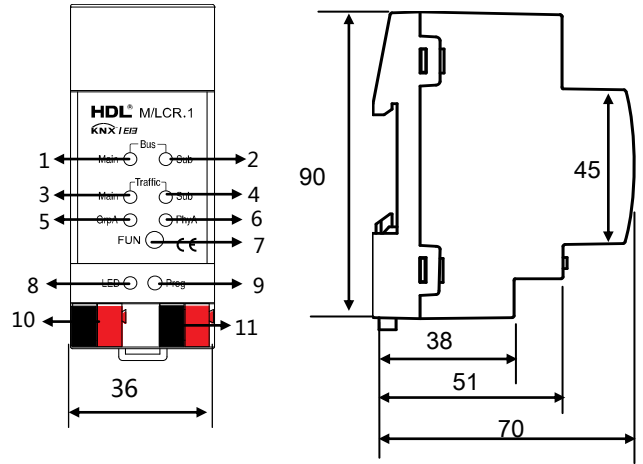
1. LED Bus Main
2. LED Bus Sub
3. LED Traffic Main
4. LED Traffic Sub
5. LED GrpA (Group Address)
6. LED PhyA (Physical Address)
7. Function button
8. Programming LED
9. Programming button
10. KNX-Bus connection: Main line
11. KNX-Bus connection: Sub line

WARNING

- When is connecting the M/LCR.1 ensure that it can be isolated.
- The M/LCR.1 housing should not be opened.
- For planning and construction of electric installations, the relevant guidelines, regulations and standards of the respective country are to be considered.
- Do not make wrong connection on KNX/EIB interface, it will damage the Bus interface of this interface module
- Do not get AC220V voltage into KNX/EIB wire , it will damage all devices in the system.
- Never let the liquid get into the module, it will damage this device