HDL®

Datasheet

Parameters

Electrical Parameters:

Working power	DC12~30V
Buspro power consumption	30mA/DC24V
RJ45 connection	UDP/IP network interface
Buspro connector	HDL Buspro, INNER Buspro

Environmental Conditions:

Working temperature	-5℃~45℃
Working relative humidity	Up to 90%
Storage temperature	-20℃~+60℃
Storage relative humidity	Up to 93%

Approved:

CE
RoHS

Product Information:

Dimensions	72×90×66 (mm)
Net weight	142.5g
Housing material	Nylon, PC
Installation	35mm DIN rail installation
Protection rating	IP20

Installation Steps

- Be sure power is off before installing.
- Mount the device on the DIN rail inside the DB box
- Connect LAN cable
- Connect HDL Buspro and INNER BUSPRO cables, check if there is any short circuit in output connection cable.
- Check Buspro cables connection, avoid any mistakes.

HDL Buspro Cable Guide

HDL Buspro	HDL Buspro/KNX	CAT5/CAT5E
COM	Black	Brown White/Orange White
DATA-	White	Blue White/Green White
DATA+	Yellow	Blue/Green
DC24V	Red	Brown/Orange

Important Notes

- Buspro cable - CAT5E or HDL Buspro/KNX cable, 0.8mm single-core copper cable.
- Buspro Connection - Series connection (hand-in-hand)
- RJ45 cable - CAT5E.
- INNER Buspro cable - CAT5E.

Overview

HDL-MHC48IP.431 Hotel room control host which is the core of the hotel system, it can work in conjunction with mix controller. Hotel control host has 48 channels, it must be set from hotel management system. Hotel management software can set the parameters for system , control and monitor doorbell panel, curtain, lights, fan and A/C.
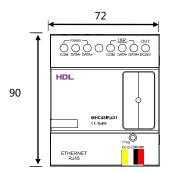
Functions

- 48 channels control, each channel has parameter for lower limit, higher limit , the maximum limit.
- There are totally 99 scenes, each scene's running time is 0-250 seconds.
- Each channel has protection delay time (0-60 minutes).
- Each channel can delay the turn ON time (0-250 Seconds).
- It can run the scene according to the status of card master.
- Monitors and controls A/C, curtain, lighting, room status, service from monitor software.
- Receive various panel control signal, and control the module and channels .
- There is an RJ45 port on the hotel host, it can connect to each room, reception or manager center. With hotel manage software, this module can integrate with third party management software .
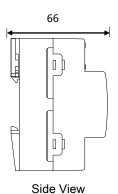- Supports connecting to devices in RS485 communication.

Dimensions and Wiring

72

90

Front View

66

Side View

1. connect to RS485 device

2. INNER Buspro for HIX18 module connection

3. DC24V output: Supply DC24V voltage to MIX controller

4. indicator

5. Button & Indicator:

   Flickers in green when the module is working properly.

   Keep pressing for 10S, it turns to red, the module will restored to default setting from factory.
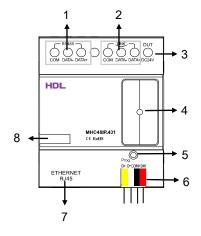
   Default setting parameters:

   IP: 192.168.10.250

   ROUTER IP: 192.168.10.1

   Port: 6000

6. HDL Buspro

7. RJ45 network connector: UDP/IP interface

8. Label area

Safety Precautions ⚠ WARNING

- The screw down torque should not exceed 0.4Nm
- Installation: Inside DB box.
- Do not make wrong connection on Buspro interface, it will damage the Buspro interface of this module.
- Do not get AC power into Buspro wire , it will damage all devices in the system.
- Ensure good ventilation.
- Avoid contact with liquids and corrosive gases.

Package Contents

- Datasheet *1/ Device *1 / Label *5 / Bus connector*1

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