

## Parameters

### Electrical Parameters:

Working voltage	DC12 - 30V
Static power consumption	55mA/DC24V
Dynamic power consumption	600mA/DC24V
Signal interface	HDL Buspro, INNER Buspro
RJ45 interface	UDP/IP network Interface

### Environmental Conditions:

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

### Approved:

CE

RoHS

### Product Information:

Dimension	72×90×66 ( mm )
Weight	130g
Housing material	Nylon, PC
Installation	35mm DIN rail installation
Installation position	DB box
Protection degree	IP20

## 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

- Installation - Distribution box (DB )
- 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



The HDL-MH48IP/D.231 Hotel Room Control Host supports hotel room host control and dry contact function. It has 48 channels. The hotel room host can control and monitor doorbell panels, curtains, lights, fans and air conditioners via Hotel Management Software (IHMS) after parameter setting.

## Functions

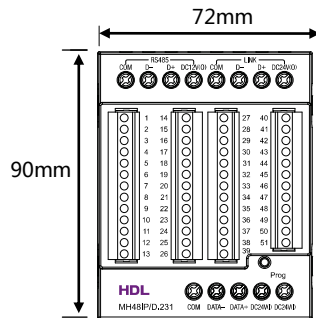
- The hotel host supports 48 channels, each dimmer channel has parameters for lower limit, the higher limit, the maximum limit.
- It supports 99 scenes in total, each scene's running time is 0-250s.
- Each relay channel has protection delay time (0-60mins).
- Each relay channel can delay turn ON time (0-250s).
- Run the scene according to the status of card master.
- Control and monitor doorbell panels, curtains, and air conditioners, and upload the status to monitor software.
- It support RS485 communication devices.
- The hotel host has RJ45 port for connection with reception or management center. With hotel management software, this module can integrate with third-party management software.
- It supports dry contact function and has 51-channel dry contacts. The channel input, channel output and control targets can be set via the hotel management software (IHMS),

## Installation Steps

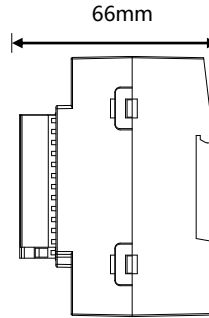
- Turn off power before installation.
- Installation - 35mm DIN rail installation, inside Distribution box.
- Connect RJ45 cable
- Connect Inner Buspro cable and HDL Buspro cable.
- Make sure all cable connections are correct.



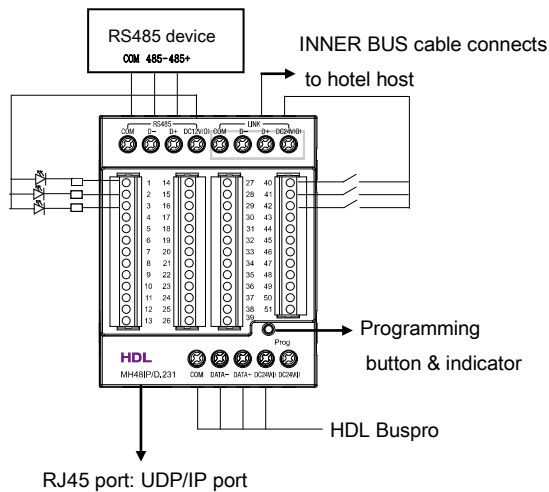
## Dimensions and Wirings



Front view



Side view



### Input/ Output channel

The hotel host supports 51 channels. Each channel can be set as input or output channel. The user is recommended to make a plan for cable connection in advance.

Take No.1-3 channels as examples, they are LED lights output channels, and a resistor should be connected to the LED. (A resistor 470Ω-2K is recommended.)

Take No.40-42 channels as examples, they are dry contact input channels.

### Programming button & indicator

When the hotel host runs normally, the indicator flickers in green.

Keep pressing the programming button for 10 seconds, the indicator turns red, then restore the factory settings.

Default setting parameters :

IP: 192.168.10.250

Router IP:192.168.10.1 Port: 6000

## Safety Precautions



- The screw down strength should not exceed 0.4 Nm.
- Installation position: inside distribution box.
- Do not make wrong connection on Buspro interface, it will damage the Buspro interface of this module.
- Do not get AC voltage into Buspro wire and DMX port, it will damage all devices in the system.
- Avoid contact with the liquids and aggressive gases.

## Packing List

- |  |    |
|--|----|
| ■ Datasheet                                  | ×1 |
| ■ Hotel Room Control Host (HDL-MH48IP/D.231) | ×1 |

