

HDL-MHC48IP.431

Hotel Room Control Host

buspro

Datasheet

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Figure 1. Hotel Room Control Host

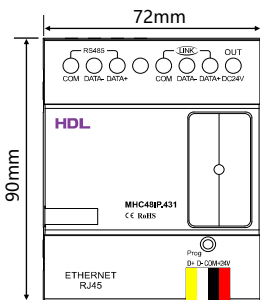


Figure 2. Dimensions - Front View

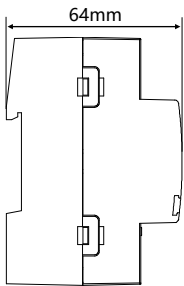


Figure 3. Dimensions - Side View

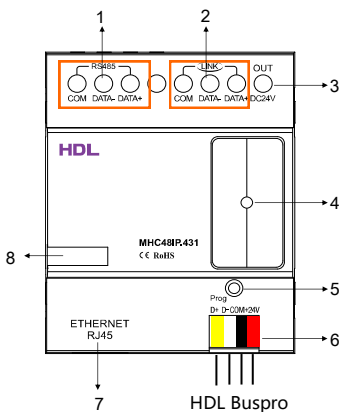


Figure 4. Wiring

Overview

Hotel Room Control Host (See Figure 1) can be used in conjunction with the mix control module, other relay and dimming modules without scene controller, etc. The hotel room control host has 48 channels, which must be set through Hotel Room Management System. The hotel room host can monitor and control each equipment via Hotel Room Management System after setting up targets as doorbell panels, curtains, lamps, exhaust fan, air conditioners and other equipment.

Functions

- 48 channels control, each channel has parameter for lower limit, higher limit, the maximum limit.
- There are 99 scenes in total, each scene's running time is 0-250 seconds.
- The protection delay time of each channel is 0-60 minutes.
- The delay turn ON time of each channel is 0-250 Seconds.
- It can run the scenes according to the identification of the card master.
- Monitors and controls air conditioners, curtains, lightings, room status, and uploads the status of air conditioners, curtains, lightings and other states to the monitor software of the server in real time.
- Receive various panel control signal, and control the module and channels.
- Network connection. The hotel room control host has a RJ45 port, which can connect to each room, reception and management software. Through Hotel Room Management System, the module can integrate with the third party management software to exchange information.
- Supports connecting to devices in RS485 communication.

Important Notes

- Buspro cable - CAT5E or dedicated HDL Buspro cable.
- Buspro connection - Series connection (hand-in-hand recommended)
- RJ45 cable - CAT5E.

Product Information

Dimensions - See Figure 2 - 3

Wiring - See Figure 4

1. Connect to RS485 device
2. Inner Buspro for mix module connection
3. 24V DC output: Supply DC24V voltage to mix controller
4. Indicator
5. Programming button & indicator:

The indicator flashes in green when the module is working properly.

Keep pressing the programming button for 10s, it will turn red, the module will restore to default factory setting.

Default setting parameters:

IP: 192.168.10.250
ROUTER IP: 192.168.10.1
Port: 6006

6. HDL Buspro
7. RJ45 network connector: UDP/IP interface
8. Label area

Installation - See Figure 5 - 7

- Step 1. Fix the DIN rail with screws.
- Step 2. Buckle the bottom cap of the Hotel Room Control Host on the edge of the DIN rail.
- Step 3. Press the device on the DIN rail, slide it and fix it up until an appropriate position is adjusted.

Safety Precautions



- The installation and commissioning of the device must be carried out by HDL or the organization designated by HDL. For planning and construction of electric installations, the relevant guidelines, regulations and standards of the respective country are to be considered.
- The device should be installed with DIN rail in DB box. HDL does not take responsibility for all the consequences caused by installation and wire connection that are not in accordance with this document.
- Please do not privately disassemble the device or change components, otherwise it may cause mechanical failure, electric shock, fire or body injury.
- Please resort to our customer service department or designated agencies for maintenance service. The warranty is not applicable for the product fault caused by private disassembly.

Package Contents

HDL-MHC48IP.431*1 / Buspro connector*1 / Label*5 / Datasheet*1



Figure 5

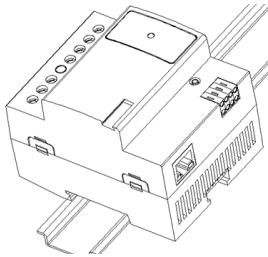


Figure 6

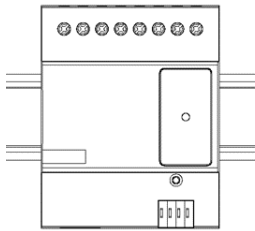


Figure 7

Figure 5 - 7. Installation

Technical Data

Basic Parameters

Working voltage	12~30V DC
Working current	30mA/24V DC
RJ45 connection	UDP/IP network interface
Buspro connector	HDL Buspro, Inner Buspro

External Environment

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

Specifications

Dimensions	72mm×90mm×64mm
Net weight	143g
Housing material	Nylon, PC
Installation	35mm DIN rail installation (See Figure 5 - 7)
Protection rating (Compliant with EN 60529)	IP20

Name and Content of Hazardous Substances in Products

Components	Hazardous substances					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Chromium VI (Cr (VI))	Poly-brominated biphenyls (PBB)	Poly-brominated diphenyl ethers (PBDE)
Plastic	o	o	o	o	o	o
Hardware	o	o	o	o	-	-
Screw	o	o	o	x	-	-
Solder	x	o	o	o	-	-
PCB	x	o	o	o	o	o
IC	o	o	o	o	x	x

The symbol "-" indicates that the hazardous substance is not contained.

The symbol "o" indicates that the content of the hazardous substances in all the homogeneous materials of the component is below the limit requirement specified in the Standard IEC62321-2015.

The symbol "x" indicates that the content of the hazardous substance in at least one of the homogeneous materials of the part exceeds the limit requirement specified in the Standard IEC62321-2015.

HDL Buspro Cable Guide

HDL Buspro	HDL Buspro Cable	CAT5/CAT5E
DATA+	Yellow	Blue/Green
DATA-	White	Blue white/Green white
COM	Black	Brown white/Orange white
24V DC	Red	Brown/Orange

Technical support

E-mail: support@hdlautomation.com

Website: <https://www.hdlautomation.com>

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