

HDI-MHD02R18U 232

20CH Hotel Room Mix Control Module



Datasheet

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Figure 1, 20CH Hotel Room Mix Control Module

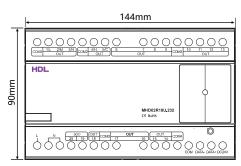


Figure 2. Dimensions - Front View

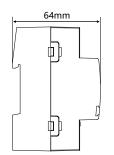
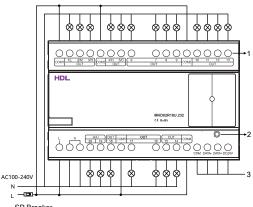


Figure 3. Dimensions - Side View



Overview

20CH Hotel Room Mix Control Module (See Figure 1) is a multifunction control module with 20 channel outputs. It supports relay control outputs and silicon-controlled rectifier outputs.

Functions

- Channel 1 to 5 are 5A relay outputs, and also can be used for controlling AC, for example, cooling/ heating switch and fan speed control. (Channel 1,2 and 3 are connected to the Low, Medium and High fan speeds of AC, Channel 4 and 5 are connected to the Heating Mode and Cooling Mode of AC).
- Channel 6 to 13 are relay outputs. Each channel outputs 5A current. The load types are incandescent lamp, halogen lamp, low-voltage halogen lamp, LED lights.
- Channel 14 to 18 are relay outputs. Each channel outputs 10A current. The load types are incandes-cent lamp, halogen lamp, low-voltage halogen lamp, LED lights.
- Channel 19 to 20 are silicon-controlled rectifier outputs. Each channel outputs 1A current.
- Communication: Inner Buspro.

Important Notes

- This module must work in conjunction with Hotel Room Control Unit.
- The current of each channel must not exceed the rated current .
- The dimming temperature should not exceed 45°C.
- The silicon-controlled rectifier dimming channel 19, 20 need to be connected with aR fuse.
- The breaker or fuse needs to be connected to each channel for protection.

Product Information

Dimensions - See Figure 2 - 3

Wiring - See Figure 4

1. The channel connects to load devices

2. Programming button & indicator: When the module works properly, the indicator flashes in green. After the programming button is pressed for 3s, the indicator turns red, then the original address of the channel can be read and modified via HDL Hotel Room Management System.

3. Inner Buspro

Notice: This module should work in conjunction with the Hotel Room Control Unit.

Installation - See Figure 5 - 7

Step 1. Fix the DIN rail with screws.

Step 2. Buckle the bottom cap of the module on the edge of the DIN rail.

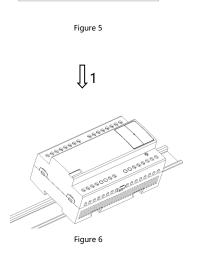
Step 3. Press the device on the DIN rail, slide it and fix it up until an appropriate position is adjusted.



- 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-MHD02R18U.232*1 / Label*5 / Datasheet*1



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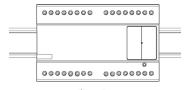


Figure 7

Figure 5 – 7. Installation

Technical Data

Basic Parameters					
Working voltage	15~30V DC				
Working current	350mA/24V DC				
Input voltage	AC100-240V(50/60Hz)				
Relay output	5A/10A resistive loads				
Dimming output	1A silicon-controlled rectifier outputs				
Communication	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	144mm×90mm×64mm				
Net weight	564g				
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

	Hazardous substances					
Components	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Chromium VI (Cr (VI))	Poly-brominated biphenyls (PBB)	Poly-brominated diphenyl ethers (PBDE)
Plastic	0	ο	ο	0	0	ο
Hardware	0	ο	ο	0	-	-
Screw	0	ο	0	×	-	-
Solder	×	0	0	0	-	-
PCB	×	0	0	0	0	0
IC	0	0	0	0	×	×

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 "×" 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.

Inner Buspro Cable Guide

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

Technical support

E-mail: support@hdlautomation.com Website: https://www.hdlautomation.com

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