

Parameters

Electrical Parameters:	
Working power	DC15-30V
Static power consumption	30mA/DC24V
Dynamic power consumption	350mA/DC24V
Relay output	5A/10A resistive loads
Dimming output	2A silicon-controlled rectifier outputs
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:	
Dimensions	144×90×66 (mm)
Net weight	563.5g
Housing material	Nylon, PC
Installation	35mm DIN rail installation
Protection rating	IP20

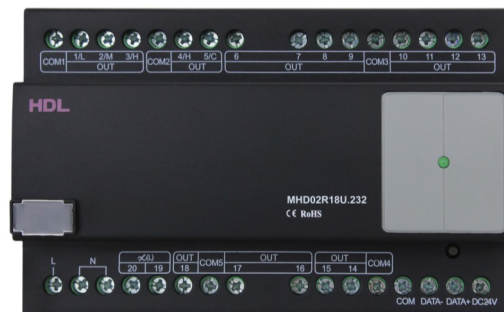
Installation Steps

- Mount the device on the DIN rail inside the DB Box.
- Mark up each channel.
- Connect the load and INNER Buspro, check if there is any short circuit in output connection cable.
- Connect loads and INNER Buspro cable.
- Check the INNER Buspro connection, avoid any mistake.
- Make up each output connection cable, separate high power and low power cable.

INNER-Buspro Cable Guide

INNER-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

Overview



The HDL-MHD02R18U.232 Hotel Guest Room MIX Controller has 20 Channels. This module needs to work with Hotel Room Control Host.

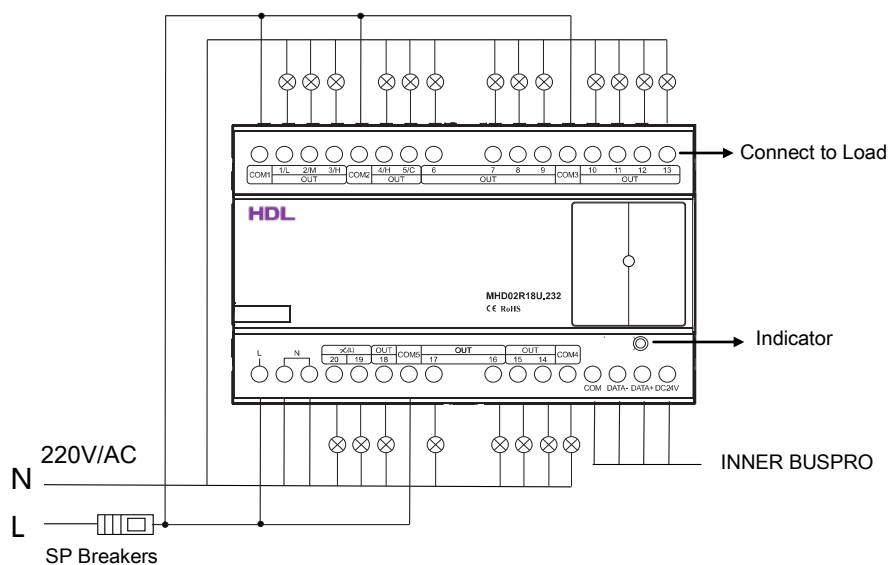
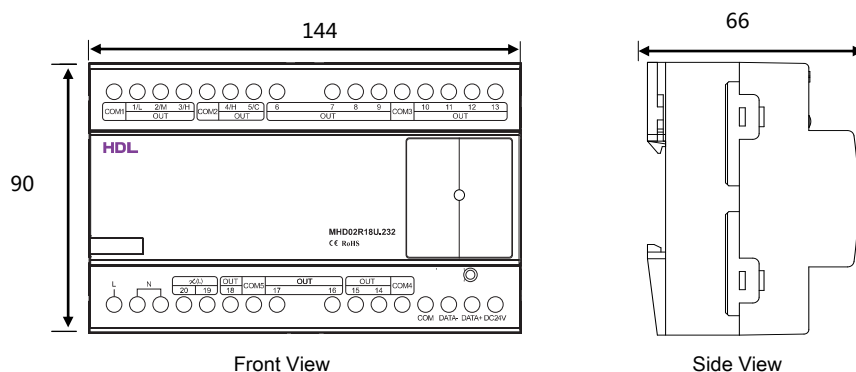
Functions

- Channel 1 to 5 are normal FCU controls, such as controls on cooling, heating and fan speeds. Channel 1,2 and 3 control fan speed, channel 4,5 are cooling and heating valves.
- Channel 6 to 13 are ordinary relay outputs. Each channel is 5A rated outputs. The load types are Incandescent lamp, Halogen lamp, Low-voltage halogen lamp, LED lights. It is not recommend connect to capacitive load.
- Channel 14 to 18 are ordinary outputs. Each channel is 10A rated outputs. The load types are Incandescent lamp, Halogen lamp, Low-voltage halogen lamp, LED lights. It is not recommend connect to capacitive load.
- Channel 19 to 20 are silicon-controlled rectifier outputs. Each channel is 2A rated output.
- Communication: INNER-Buspro.

Important Notes

- Buspro cable – Cat5E or HDL Buspro/KNX cable, 0.8mm single core copper cable
- Connection checking – Check all connection after installation
- The dimming temperature should not exceed 50°C.
- Channel No.19~20 are TRAIC channels, need to connect an aR fuse for protection
- Connect with breakers or fuses for relay module

Dimensions and Wiring



Indicator: flickers when the module is working properly. Keep pressing for 3 seconds, it can be read and modify the start address in the HDL-Hotel Room Intelligent System Manage Software.

Notice: This Mix module can only work with hotel host.

Safety Precautions



- Connect an aR fuse to TRAIC channel.
- Connect breakers or fuses to relay channels.
- The screw down strength should not exceed 0.4Nm.
- Installation: Inside DB box
- Do not make wrong connection on INNER Buspro interface, it will damage the INNER Buspro interface of this module.
- Do not get AC power into INNER Buspro wire, it will damage all devices in the system.
- Avoid contact with liquids and corrosive gases.
- Ensure good ventilation.

Package Contents

- Datasheet ×1
- Device ×1

