

## Parameters

### Electrical Parameters:

Working voltage	DC15~30V
Buspro power consumption	15mA/DC24V
Baud rate	1200 , 2400, 4800, 9600, 14400 , 19200 , 38400,57600,115200bps
Data bit	8
Stop bit	1, 2
Communication	HDL Buspro/RS232/RS485

### 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	72×90×66 (mm)
Net weight	310(g)
Housing material	Nylon, PC
Installation	35mm DIN rail installation
Protection rating	IP20

## HDL Buspro Cable Guide

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

## Important Notes

- Buspro cable - CAT5E or HDL Buspro/KNX cable.
- Buspro connection - Series connection (hand-in-hand).
- Ensure the HDL Buspro cable connection should be correct.
- Connection-Ensure all connections are make correctly after installation.
- Baud Rates – Choose matching baud rate.
- Custom protocol - Custom protocol is required for particular devices if the standard protocol is not compatible with RS232.
- Supports RS232 and RS485 interface connections, but only one of them can be selected.

## Overview



HDL-MRS232.431 has two modes: one is connected device to control HDL Buspro device from RS232, the other mode is connected device to control HDL BUS pro device from RS485. Also, you can control devices in RS232 or RS485 from HDL Buspro.

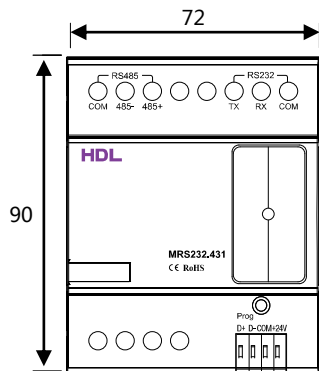
## Functions

- Realize mutual control between devices in RS232 and HDL Buspro.
- Achieve remote transmission from RS232 to RS485.
- It can achieve that RS232 controls HDL Buspro and HDL Buspro controls RS232.
- It can input up to 99 control commands, each control commands can input up to 33 ASCII characters.
- It can achieve that RS485 controls HDL Buspro and HDL Buspro controls RS485.
- RS232 Baud rate: 1200, 2400, 4800, 9600, 14400,19200, 38400, 57600, 115200bps. User can set the RS232 interface Baud rate.
- Communication: HDL Buspro, RS232,RS485.
- Supports online upgrades.

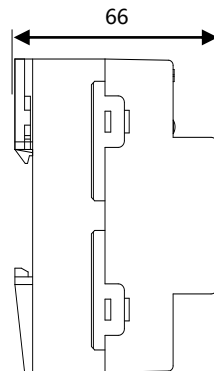
## Installation Steps

- 35mm DIN rail installation, inside DB box.
- Connect Buspro cables. Make sure the color of wire complies with the definition.
- Make sure the Buspro cable type is correct and has no short circuit.
- Ensure RS232 cable is correctly connected to the device interface.

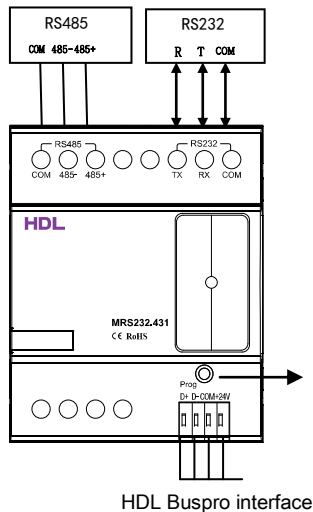
## Dimensions and Wiring



Front View



Side view



Indicator, it will flash when the device is running properly. Keep pressing for 3 seconds, you can modify the ID via HDL-Bus software.

HDL Buspro interface

## Safety Precautions



- The screw down strength 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, RS485 and RS232 interface , it will damage all devices in the system.
- Do not let the device come into contact with liquids and corrosive gases.
- Ensure good ventilation.

## Package Contents

- Device \*1 / Datasheet \*1 / Bus terminal \*1

