## Parameters

### Electrical Parameters:

| Working voltage | DC12~30V |
|---|---|
| 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℃~+45℃ |
|---|---|
| Working relative humidity | Up to 90% |
| Storage temperature | -20℃~+60℃ |
| Storage relative humidity | Up to 93% |

### Approved

| CE |
|---|
| RoHS |

### Product Information:

| Dimensions | 72×90×66 (mm) |
|---|---|
| Weight | 310(g) |
| Housing material | Nylon, PC |
| Installation | 35mm DIN rail installation |
| Protection degree | IP20 |

## HDL Buspro Definition for Cable

| 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).
- **Mounting position** - DB box.
- **Baud Rates** – Choose matching baud rate.
- **Custom protocol** - Custom protocol is required for particular devices if the standard protocol is not compatible with RS232

## 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.
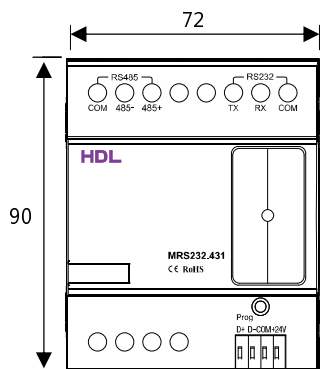
## Functions

- Communication: HDL Buspro, RS232,RS485.
- It can achieve that RS232 controls HDL Buspro and HDL Buspro controls RS232.
- It can achieve that RS485 controls HDL Buspro and HDL Buspro controls RS485.
- It can input up to 100 control commands, each control commands can input up to 33 ASCII characters.
- Target number :1~10
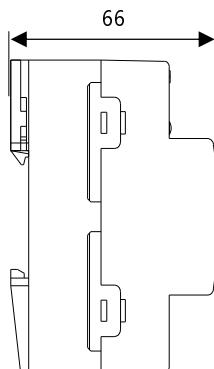- User can set the RS232 interface Baud rate.

## Installation Steps

- 35mm DIN rail installation, inside DB box.
- Make sure the Buspro cable type is correct and has no short circuit.
- Connect Buspro cables. Make sure the color of wire complies with the definition.
- Check the connection, avoid any mistake.

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Need help or advice? Contact us via
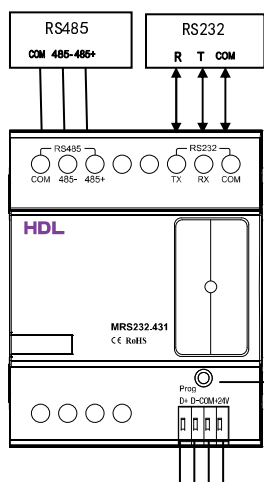support@hdlchina.com.cn

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## Dimensions and Wiring



Front View

Side view



HDL Buspro interface

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

## Safety precaution ⚠ WARNING

- The screw down strength should not exceed 0.4Nm.
- Do not make wrong connection on Buspro interface, it will damage the Buspro interface of this module.
- Never let liquids get into module, it will damage this device.
- Do not get AC power into Buspro and RS232 cable wire , it will damage all devices in the system.
- Avoid contact with liquids and aggressive gases.

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