

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
parity bit	None , Odd , Even
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)
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.
- Make sure the MAC and IP address are unique in the network.

Overview



SB-DN-232IP-Pro 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.

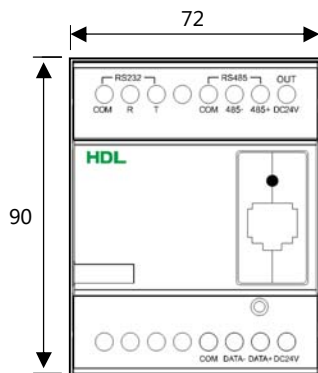
Functions

- Bidirectional data exchange between HDL Buspro and Ethernet.
- Communication: HDL Buspro, IP network.
- 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.
- It has IP interface function.

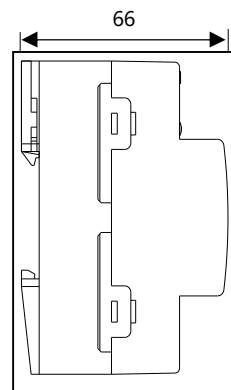
Installation Steps

- 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.

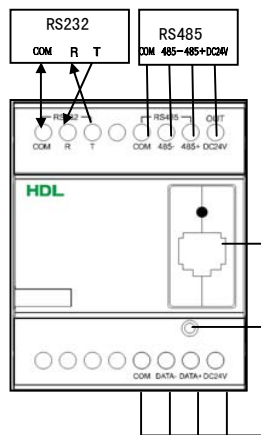
Dimensions and Wiring



Front View



Side view



HDL Buspro interface

RJ45 interface

Button indicator, flickers when the module is working properly. Keep pressing it for 10s, it will turn red, the module will be reset to the factory setting.

Default setting parameters:

IP: 192.168.10.250

Router IP: 192.168.10.1

Port: 6000

MAC:H-D-L-85-85-85 network segment

Setting of network parameters:

SB-DN-232IP-Pro has a default IP: 192.168.10.250, and 6000 for IP port. Please change the user PC IP address into the same IP segment.

Tips:

1. Ensure the device IP and the PC IP have the same network segment. For example, when your PC IP are set to 192.168.10.**(**means any number between 0~255), the device IP must be set to 192.168.10.**(**means any number between 0~255 but should be different from the one you set in PC)
2. Ensure the MAC is different from other device IP.

Safety precaution



- 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.

