

Parameters

Electrical Parameters :	
Working voltage	DC12~30V
Buspro power consumption	15mA/DC24V
Baud rate	2400, 4800, 9600, 14400, 19200, 38400, 57600, 115200 bps
Data Bit	8
Stop Bit	1
Communication	HDL-BUS/RS232
Environmental Conditions :	
Working temperature	0°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)
- **RS232**–9 pin D-shaped socket, receiver is 2 pin ,sender is 3 pin ,GND is 5 pin.
- **Check Connections** – Re-tighten all connections 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

Overview



SB-DN-RS232N is a DIN-Rail Mount BUS/RS232 Module. It supports to send to 1980, receive to 99 ASCII, HEX strings and work in all Baud Rates.

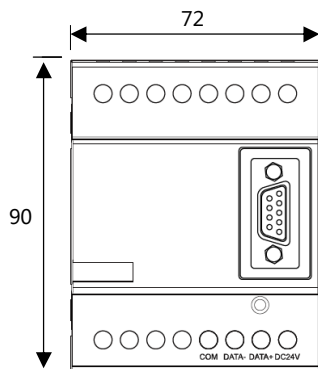
Functions

- 2 way Fixed HDL Buspro ASCII protocol from and to RS232
- Support ASCII code editing and hexadecimal
- 24 Characters ASCII length.
- RS232 interface work in all baud rates: 2400, 4800, 9600, 14400, 19200, 38400, 57600, 115200 bps
- Send and receive ASCII command
- It can receive 99 ASCII, HEX to do different commands for each message
- Ready to integrate with many Music System and Home Technology Brands.

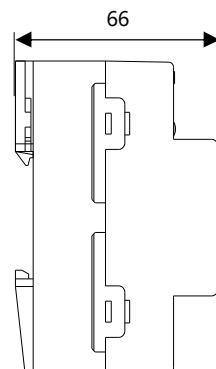
Installation Step

- Mount the device on a DIN rail of DB or other position
- Make sure the Bus cable type is correct and has no short circuit
- Connect bus cables. Make sure the color of wire complies with the definition
- Make sure RS232 cable connect to module is correct for RX,TX, COM

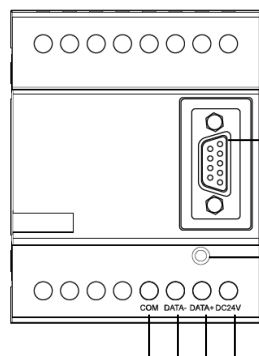
Dimensions and Wiring



Front View



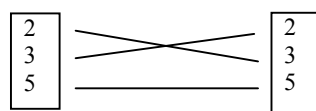
Side view



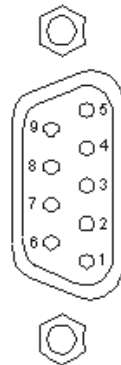
HDL Buspro interface

RS232 serial: 9 pin D-shaped socket and RS232 signal connection rule (2 pin and 3 pin are cross-linked, 5 pin is connected directly)

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



RS232 Cable



The interface is connected to PC server.

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 Bus and RS232 cable wire , it will damage all devices in the system
- Avoid contact with liquids and aggressive gases

Packing list

- SB-DN-RS232*1
- Datasheet*1

