Parameters

Electrical Parameters:

Working voltage	DC12~30V
Buspro power consumption	40mA/DC24V
Signal interface	HDL Buspro, RJ45
RJ45 connection	RJ45-UDP/I network interface

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)
Net weight	124g
Housing material	Nylon
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 Bus/KNX cable.
- Buspro Connection – Series connection (hand-in-hand).
- Make sure that MAC and IP address of all IP devices are unique in the same network.
- Installation - DB box.

Overview

HDL-MBUS01IP.431 1-port IP interface is the gateway between HDL Buspro system and Ethernet. It can realize the bidirectional data transmission between HDL Buspro and Ethernet.
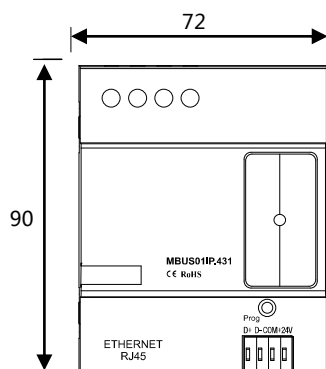
Functions

- Bidirectional data exchange between HDL Buspro and Ethernet.
- Supports local control, p2p control, remote control (local control by default), local network.
- Allows maximum 4 devices to connect this module for remote control, such as iPad, iPhone, Touchlife, HDL Buspro software and so on.
- Intelligent data exchange , minimize data traffic.
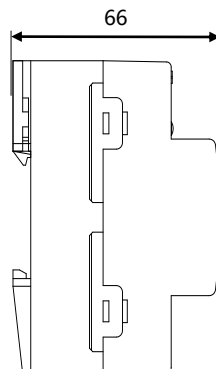- Communication: HDL Buspro, IP network.

Installation Steps

- 35mm DIN rail installation, inside DB Box.
- Connect HDL Buspro cable, RJ45 cable.
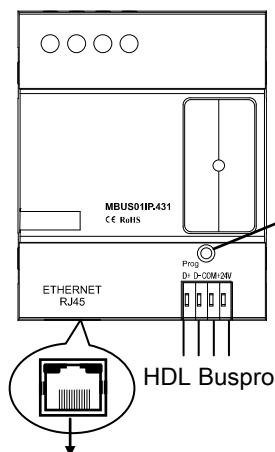- Check the connection, avoid any mistakes.

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Dimensions and Wirings

```
72
90
MBUS01IP.431
CE RoHS
ETHERNET
RJ45
Prog
D+ D-COM+24V
```
Front View

```
66
```
Side view

```
MBUS01IP.431
CE RoHS
ETHERNET
RJ45
Prog
D+ D-COM+24V
```
HDL Buspro

RJ45 connection: UDP/IP interface

Button and indicator: Flickers in green when the module is working properly. Keep pressing for 10S, it turns to red, the module will be restored into default setting from factory.

Default setting parameters:

IP: 192.168.10.250

ROUTER IP: 192.168.10.1

Port: 6000

Setting of Network Parameter :

1-port IP interface has a default IP-192.168.10.250 and 6000 for port. Please change the user PC IP address into the same IP segment.

Steps for change IP address：

1. Modify the IP address of the user PC into 192.168.10.** （** means any）.
2. Open the "HDL Buspro Set Up tool", find the device, change the IP address into the same IP segment of the user PC. Finish and save.
3. Change the IP address of the user PC back to previous IP.
4. Power the device off, then the new IP address will be available after power on.

Safety Precautions ⚠ WARNING

- ■ The screw down strength should not exceed 0.4Nm
- ■ Installation Position: Distribution box (DB)
- ■ Do not make wrong connection on Buspre interface, it will damage the Buspro interface of this module
- ■ Do not get AC power into Bus wire, it will damage all devices in the system
- ■ Avoid contact with liquids and aggressive gases

Package Contents

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

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