Parameters

Electric Parameters:

Power input	DC12-30V
Bus power consumption	200mA/DC24V
Signal type	DMX512 (1990)
HMI	128x64 raster graphic LCD 6 soft-touch buttons
RJ45	RJ45-TCP/IP network interface
Control channel	512
Ethernet network interface	10Mbps/RJ45

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

Production Information:

Dimensions	144×90×66 (mm)
Weight	428.6g
Housing material	Nylon, PC
Installation	35mm DIN rail installation
Protection degree	IP20

Installation Step

- 35mm DIN rail installation, inside the DB Box
- Mark up each output connection cable
- Connect the load and HDL Buspro cable
- Check if there is any short circuit in output connection cable
- Check the HDL Buspro connection, avoid any mistake
- Isolate the high power and low power
- Tighten the screw again for all terminals

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

Overview

SB-DN-512DMX, DMX show controller. It can input DMX512 signal and control RGB LED light, DMX devices, etc.
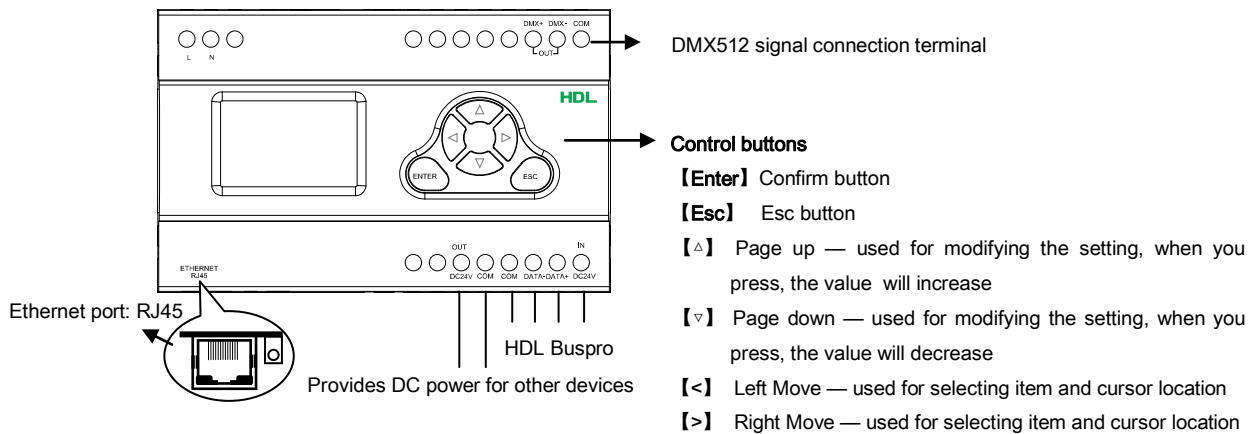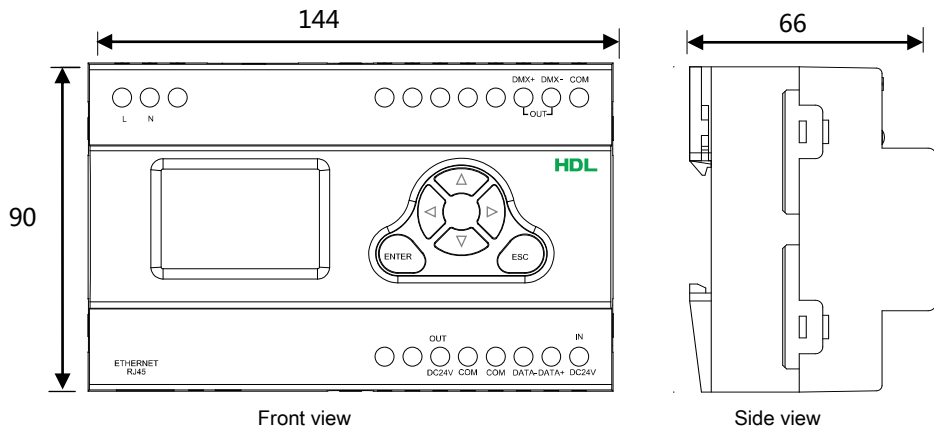
Functions

- It has up to 16 areas. Each area can set 0-1024 scene, and the scene's running time is up to 60 minutes
- Total is 99 sequences , 4 running modes are available for each sequence: forward, backward, forward & backward, random
- DMX512 (1990 version)
- Supports Art net / HDL Net DMX protocol
- Low threshold, high threshold, maximum threshold are all available for each channel for different devices
- Each channel has light protection delay time (0-25 seconds)
- Each channel has protection delay time for power on after power off (0-60 minutes)
- Gateway between HDL Buspro and Ethernet

Important Notes

- Bus cable - HDL Buspro/KNX cable, 0.8mm single-core cable.
- Bus connection - Series connection (hand-in-hand).
- DMX cable - Shielded twisted cable, less than 200 meters
- DMX load - Less than 32 devices.

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Dimensions and Wiring

Front view

Side view

Ethernet port: RJ45

Provides DC power for other devices

HDL Buspro

DMX512 signal connection terminal

Control buttons

【Enter】 Confirm button

【Esc】　Esc button

【△】　Page up — used for modifying the setting, when you press, the value will increase

【▽】　Page down — used for modifying the setting, when you press, the value will decrease

【<】　Left Move — used for selecting item and cursor location

【>】　Right Move — used for selecting item and cursor location

Note: When you press all direction keys at the same time, the module will be reset.

Safety Attention ⚠ WARNING

- ■　The screw down strength should not exceed 0.4Nm.
- ■　Do not make wrong connection on Bus interface, it will damage the Bus interface of this module.
- ■　Do not let the liquids get into the module, it will damage this device.
- ■　Do not get AC220V voltage into Bus wire , it will damage all devices in the system.
- ■　Ensure good ventilation.
- ■　Avoid contact with liquids and corrosive gases.

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