Parameters

Electric Parameters

Working voltage	DC15~30V
BUS power consumption	15mA/DC24V

Environmental Conditions

Working temperature	0℃~45℃
Working relative humidity	Up to 90%
Storage temperature	-20℃~+60℃
Storage relative humidity	Up to 93%

Approved

CE
RoHS

Production Information:

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

Important Notes

- Bus cable – CAT5E or HDL Bus/KNX cable
- BUS Connection – Series connection (hand-in-hand)
- 35mm DIN rail installation, inside DB Box
- Connect checking – Check all connection after installation

Installation Step

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

HDL-Bus Definition for Cable

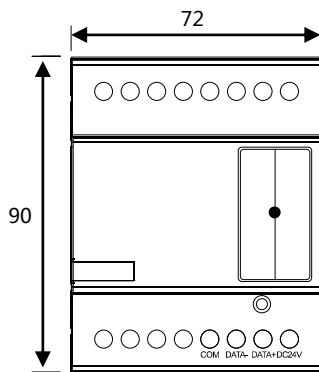| CAT5/CAT5E	HDL-BUS	HDL-Bus/KNX
Brown/ Orange	DC24V	Red
Brown white/ Orange white	COM	Black
Blue white/Green white	DATA-	White
Blue/ Green	DATA+	Yellow

Overview

SB-DN-Logic960 is the HDL Logic Module. It has 960 Logic blocks, and the inputs condition of logic can be set scene status, channel status, date, week, time, external input value, external input status etc. By using different logic relations to set up different control target. 4 Logic relations are available for each logic block: AND, OR, NAND, NOR .
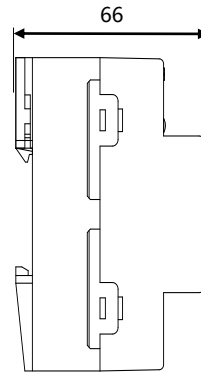
Functions

- Event settings for each day.
- Maximum 12 logic groups can be set ; each logic group has 20 logic blocks. Connection between each logic block is available, it means the output of one logic table can be the input of another logic table.
- Each Logic table has 4 input Pins and 20 output control targets.
- Types of Logic Table Input Pin : Year, date, week, time, universal switch, external input value, scene status, sequence status, external universal switch, channel status, panel status, security etc.
- Logic Relations : AND, OR, NAND, NOR.
- Built-in Real-time clock.
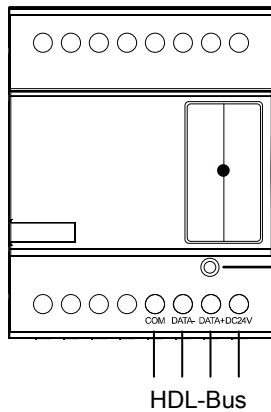- Online upgrading from BUS is available.

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Dimensions and Wiring

72

90

COM DATA- DATA+DC24V

Front View

66

Side view

COM DATA- DATA+DC24V

HDL-Bus

Module Indicator: flickers when the module is working properly. Keep pressing for 3 seconds, user can read and modify the address of the module in the HDL-Bus software.

Safety attention ⚠ WARNING

- ■ The screw down strength should not exceed 0.4Nm
- ■ Installation Position: Distribution Box (DB)
- ■ Do not make wrong connection on Bus interface, it will damage the Bus interface of this module
- ■ Never let liquids get into the module, it will damage this device
- ■ Do not get AC power into Bus wire, it will damage all devices in the system
- ■ Avoid contact with liquids and aggressive gases

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