

## Parameters

Performance parameter:	
Working power	21~30VDC
BUS interface	KNX/EIB
Dynamic current	< 16mA
Static current	< 10mA
KNX terminals	(Red /Black) 0.75 – 0.85mm Diameter Single-Core
Environmental Condition:	
Working temperature	0°C~45°C
Working relative Humidity	40%~90%
Storage temperature	-20°C~+60°C
Storage relative humidity	10%~93%
Approve :	
CE	
KNX	
Production information :	
Dimension	90(mm)×72(mm)×63.8(mm)
Net weight	109.6g
Housing Material	Nylon
Installation	35mm Din rail installation
IP Protection	IP20

## Important Notes

- **Special Programming** – This device is designed for professional KNX installation. It can only be programmed by ETS software.
- **Bus cable** - KNX/EIB standard cable
- **Cable Connections** – Do not get wrong connection for Black and Red wires.
- **Voltage** - The input of voltage must be between 21-30VDC.
- **Dry contact signal cable**—recommend shielded cable, less than 20 meters.
- **Installation**—35mm DIN rail installation, inside DB box.

## Overview



HDL KNX-M/S24.1 is a sensor signal input module, it supports up to 24 dry contact inputs.

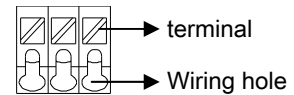
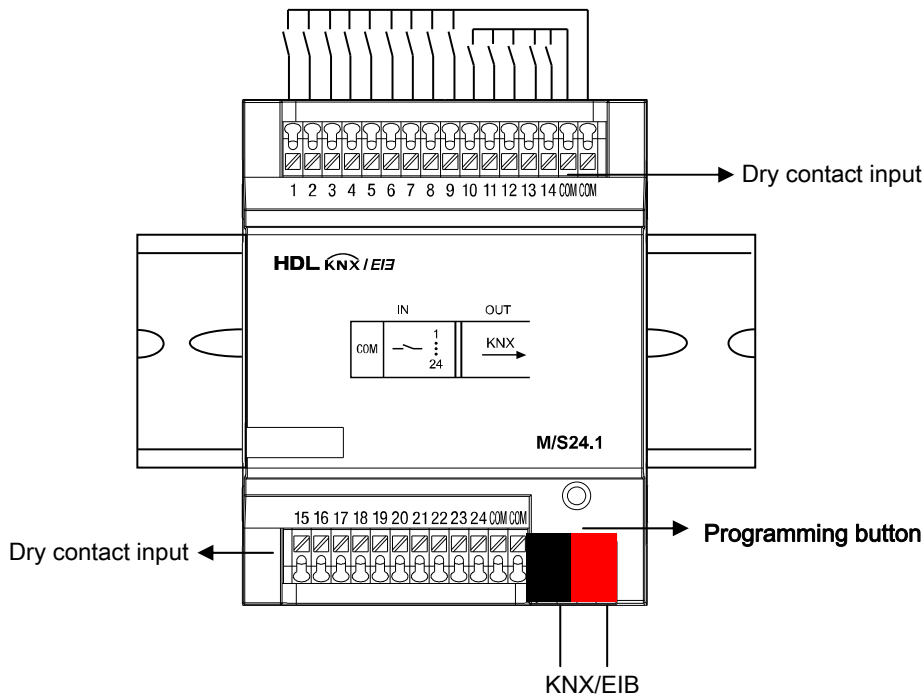
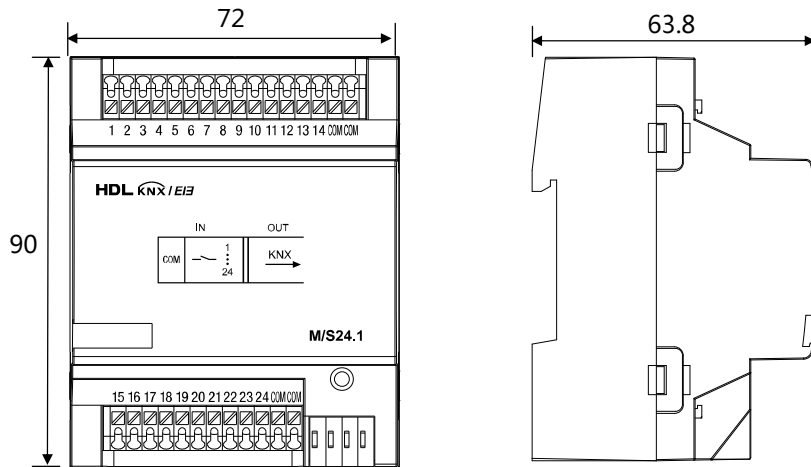
## Functions

- 24 channels dry contact input
- Can sending the variety control telegram value via KNX.
- Control targets: Switch controller, Switch/Dimming controller, Shutter controller, Flexible controller, Scene controller, Sequence controller, Percentage controller, Threshold controller, String(14 bytes) controller, Forced position controller, Bell controller, Counter controller, Combination controller.
- Dry contact type can be set Mechanical switch or electronic switch.

## Installation Step

- Mount the device in DB box.
- KNX/EIB Cable connection.
- Dry contact signal cable connection.
- Make sure the connection is right.

## Layout and Wiring



**Dry contact cable requirements:**  
Wire range: 0.5~0.75mm<sup>2</sup>  
Wire strip length: 8.5~10mm  
recommend shielded cable, less than 20 meters.

### Wiring steps:

1. Use a slotted screwdriver press the terminal, wiring hole will open.
2. Put the cable into the wiring hole.
3. After putting the wiring, pull the screwdriver out.

## Safety attention

- Screw down strength is less than 0.2Nm.
- Do not get wrong connection on positive and negative for the bus cable.
- Avoid contact with liquids and corrosive gases.
- Do not get AC voltage into Bus wire, it will damage all devices in the system.