HDL®

M/S24.1

KNX 24-Zone Dry Contact Module

Hardware Version: A

KNX®

Datasheet
Issued: July 12, 2019
Edition: V1.0.0

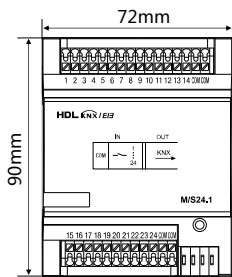Figure 1. KNX 24-Zone Dry Contact Module

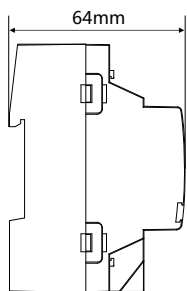

Figure 2. Dimensions - Front View
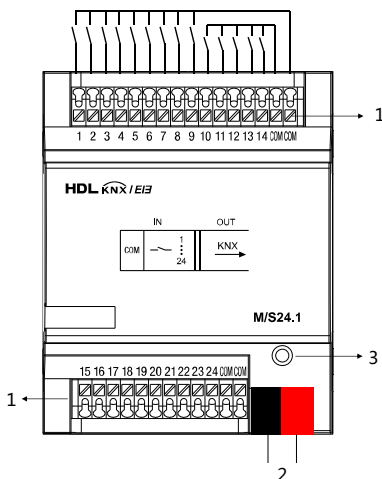

Figure 3. Dimensions - Side View

Figure 4. Wiring

Overview

KNX 24-Zone Dry Contact Module (See Figure 1) supports 24-channel dry contact input and each of which can be individually controlled with up to 13 different control targets.

Functions

- Control types: Switch control, Switch/Dimming control, Shutter control, Flexible control, Scene control, Sequence control, Percentage control, Threshold control, String(14 bytes) control, Forced control, Counter control, Bell control, Combination control.
- 24-channel dry contact input supported.
- Dry contact type can be set as mechanical switch or electric switch.

Important Notes

- Installation - Distribution board.
- Programming - This device is compliant with the KNX standard and can only be programmed by ETS software.
- KNX Bus voltage - 21~30V DC, no AC power supply allowed.
- Dry contact cable requirements: Applicable wire: 0.5~0.75mm², stripping length: 8.5~10mm, shielded cable recommended, less than 20 meters.

Product Information

Dimensions - See Figure 2 - 3

Wiring - See Figure 4

1. Dry contact input
2. KNX interface
3. Programming button

Dry contact wiring:

Step 1. Press the terminal with a slotted screwdriver , and wiring hole will open.

Step 2. Put the cable into the wiring hole, loosen the push rod, and the wire will be locked.

Installation - See Figure 5 - 7

Step 1. Fix the DIN rail with screws.

Step 2. Buckle the bottom cap of the module on the edge of the DIN rail.

Step 3. Press the device on the DIN rail, slide it and fix it up until an appropriate position is adjusted.

Safety Precautions ⚠ WARNING

- The installation and commissioning of the device must be carried out by HDL or the organization designated by HDL. For planning and construction of electric installations, the relevant guidelines, regulations and standards of the respective country are to be considered.
- HDL does not take responsibility for all the consequences caused by installation and wire connection that are not in accordance with this document.
- Please do not privately disassemble the device or change components, otherwise it may cause mechanical failure, electric shock, fire or body injury.
- Please resort to our customer service department or designated agencies for maintenance service. The warranty is not applicable for the product fault caused by private disassembly.
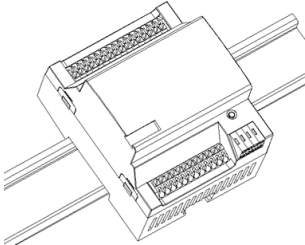
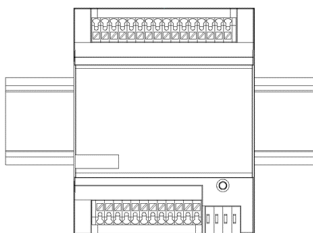## Package Contents

M/S24.1*1 / Datasheet*1 / Label*5

Technical Data

Basic Parameters

Working voltage	21~30V DC
Working current	10mA/30V DC
Communication	KNX/EIB
Cable diameter KNX terminal	0.6 - 0.8mm

External Environment

Working temperature	-5℃~45℃
Working relative humidity	≤90%
Storage temperature	-20℃~60℃
Storage relative humidity	≤93%

Specifications

Dimensions	90mm×72mm×64mm
Net weight	110g
Housing material	Nylon
Installation	35mm DIN rail installation (See Figure 5 - 7)
Protection rating (Compliant with EN 60529)	IP20

Name and Content of Hazardous Substances in Products

Components	Hazardous substances					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Chromium VI (Cr (VI))	Poly-brominated biphenyls (PBB)	Poly-brominated diphenyl ethers (PBDE)
Plastic	o	o	o	o	o	o
Hardware	o	o	o	o	-	-
Screw	o	o	o	×	-	-
Solder	×	o	o	o	-	-
PCB	×	o	o	o	o	o
IC	o	o	o	o	×	×

The symbol "-" indicates that the hazardous substance is not contained.

The symbol "o" indicates that the content of the hazardous substances in all the homogeneous materials of the component is below the limit requirement specified in the Standard IEC62321-2015.

The symbol "×" indicates that the content of the hazardous substance in at least one of the homogeneous materials of the part exceeds the limit requirement specified in the Standard IEC62321-2015.

KNX Cable Guide

KNX	KNX Cable
+	Red
-	Black

Figure 5

Figure 6

Figure 7

Figure 5-7. Installation

Technical support
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Website: https://www.hdlautomation.com