M/S08.1

KNX 8-Zone Dry Contact Module

Hardware Version: A

Datasheet

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Figure 1. KNX 8-Zone Dry Contact Module

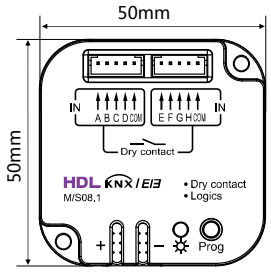

Figure 2. Dimensions - Front View

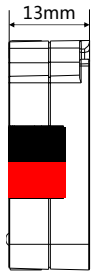

Figure 3. Dimensions - Side View

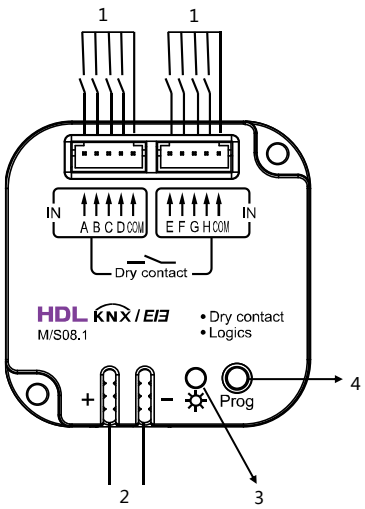

Figure 4. Wiring

Overview

KNX 8-Zone Dry Contact Module (See Figure 1) belongs to HDL KNX/EIB series. It has 8-channel dry contact input and supports 2 control modes, including dry contact input control and logic control.

Functions

Dry contact input:

- 8-channel dry contact input supported
- 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.

Logic control:

- Any 8 inputs can be combined with several different types of external telegram (for example, 1 bit Boolean variable, 1~4 byte threshold, time, date, etc.) to perform AND/OR/NOT logical operations.
- Level 1-4 logic controls can be set, and lower-level logic can be used as the logic input conditions for higher-level.
- The module has 18 logic blocks, which can lock channel input, enable logical operations and force immediate output even if the output is set to delay. Each logic block can report the logical state in a variety of ways.
- The module has 10 logic output blocks, which can be associated with any logical result output. Each logic block can independently control 8 targets, and delay can be set, repeated telegrams can be sent and each target can be independently controlled, for example: Switch control, Absolute dimming control, Alarm control, Shutter control, Flexible control, Sequence control, Percentage control, Threshold control, String(14 bytes) control etc.

Important Notes

- Installation - installed in switch box. When installing outdoor, please make sure the installation environment is water-proof.
- 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.
- Hand-in-hand connection for KNX Bus is recommended.
- Dry contact lead cable is up to 20m.

Product Information

Dimensions - See Figure 2 - 3

Wiring - See Figure 4

1. Dry contact input
2. KNX interface
3. LED indicator of programming button
4. Programming button

Safety Precautions

- 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/S08.1*1 / Dry contact cable*2 / Datasheet*1

Technical Data

Basic Parameters	
Working voltage	21~30V DC
Working current	5mA/30V DC
Communication	KNX/EIB
Cable diameter of 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	50mm×50mm×13mm
Net weight	24g
Housing material	Flame-retardant ABS
Installation	Switch box installation
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

Technical support
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