

M/S08.1 8 Zone Dry Contact Module

8路干接点输入模块

Hardware Version: A / 硬件版本: A



Datasheet

产品说明书

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Figure 1. 8 Zone Dry Contact Module

图 1. 8路干接点输入模块

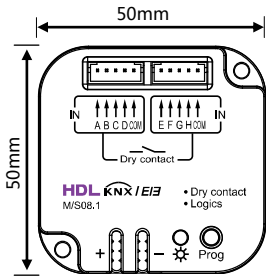


Figure 2. Dimensions - Front View

图 2. 尺寸图 - 正面

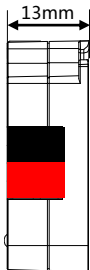


Figure 3. Dimensions - Side View

图 3. 尺寸图 - 侧面

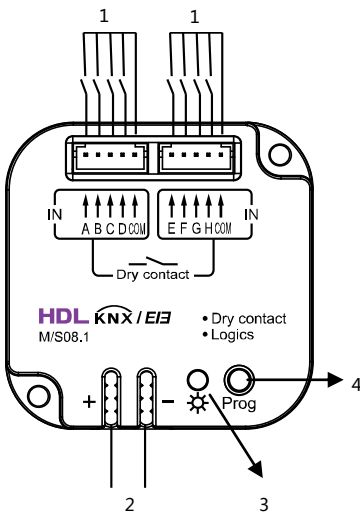


Figure 4. Wiring

图 4. 接线图

EN

Overview

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

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产品概述

8路干接点输入模块(见图1)是HDL KNX/EIB的系列产品之一,具有8通道干接点输入,有2种控制模式,包括干接点输入控制和逻辑控制。

功能说明

干接点输入:

- 具有8通道干接点输入。
- 控制包括:开关控制,开关和调光组合控制,窗帘控制,灵活控制,场景控制,序列控制,百分比控制,阈值控制,字符串控制,强制控制,计数控制,响铃控制,联合控制。

逻辑控制:

- 可以联合任意8个输入跟多个不同种类外部报文(外部报文种类如,1位的布尔变量,1~4字节的阈值,时间,日期等)进行与或非逻辑运算。
- 可设置1-4级逻辑控制,其中低级的逻辑可以作为更高级的逻辑输入条件。
- 18个逻辑块,可以锁住通道输入,使能逻辑运算,即使输出设置有延时,强制立即输出,各个逻辑块可以有多种方式报告逻辑状态。
- 10个逻辑输出块,10个逻辑输出块可以关联任意逻辑结果输出,每个逻辑块可以独立控制8个目标,可设置延时,重复发送报文等,每个目标可独立进行不同控制,如:开关控制,绝对值调光,警报控制,窗帘控制,灵活控制,序列控制,百分比控制,阈值控制,字符串控制等。

注意事项

- 安装位置 - 安装在开关盒内。当室外安装时,需要注意防水。
- 编程 - 本设备属于KNX标准系统设备,使用ETS软件进行编程。
- KNX总线电压 - 21~30V DC,不能接入交流电源。
- 总线推荐使用手拉式的连接方式。
- 干接点导线最长20m。

产品信息

产品尺寸 - 见图 2-3

产品接线 - 见图 4

1. 干接点输入
2. KNX接口
3. 编程按键LED指示灯
4. 编程按键

安全警告



- 本设备的安装及调试工作必须由我司或我司指派的机构进行。其电气安装的计划和施工,必须遵守当地相关的安全标准和法规。
- 未按照本说明书进行安装及接线方式的,所造成的一切后果皆与我司无关。
- 请不要私自拆装或更换零部件,否则可能会导致机械故障、电击、火灾或身体伤害。
- 请将一切维修工作交由我司售后部门或指定机构进行,本产品的保修范围不适用于因用户拆卸产品而导致的故障。

装箱清单

M/S08.1*1 / 干接点连接线*2 / 说明书*1

Technical Data

Electrical Parameters						
Working voltage			21~30V DC			
Working current			5mA/30V DC			
Communication			KNX/EIB			
KNX terminals			Φ0.6 – 0.8mm single core cable			
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				
-		Black				
+		Red				

技术参数

电气参数						
工作电压		21~30V DC				
工作电流		5mA/30V DC				
通信方式		KNX/EIB				
KNX总线接线端子		Φ0.6 - 0.8mm单芯电缆				
外部环境						
工作温度		-5℃~45℃				
工作相对湿度		≤90%				
储存温度		-20℃~60℃				
储存相对湿度		≤93%				
产品规格						
尺寸		50mm×50mm×13mm				
净重		24g				
外壳材料		阻燃ABS				
安装方式		开关盒安装				
防护级别 (符合 EN 60529)		IP20				
产品中有害物质的名称及含量						
部件名称	有害物质					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr (VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
塑胶组件	o	o	o	o	o	o
五金铜件	o	o	o	o	-	-
螺丝组件	o	o	o	×	-	-
焊锡	×	o	o	o	-	-
PCB组件	×	o	o	o	o	o
IC	o	o	o	o	×	×
- ：表示不含有该有害物质。 o ：表示该有害物质在该部件所有均质材料中的含量均在IEC62321-2015规定的限量要求以下。 ×						
× ：表示该有害物质至少在该部件的某一均质材料中的含量超出IEC62321-2015规定的限量要求。						
KNX总线定义						
KNX		KNX 电缆				
-		黑				
+		红				

技术支持
服务热线：020-85820195
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邮箱：kfb@hdlchina.com.cn
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