

M/S04.1  
 KNX 4-Zone Dry Contact Module  
 Hardware Version: A



Datasheet  
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Figure 1. KNX 4-Zone Dry Contact Module

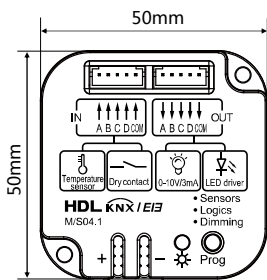


Figure 2. Dimensions-Front View



Figure 3. Temperature Sensor (TTS/APR1.0)

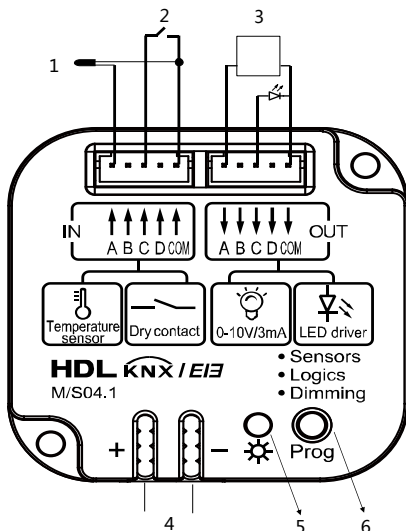


Figure 4. Wiring

## Overview

KNX 4-Zone Dry Contact Module (See Figure 1) belongs to HDL KNX/EIB series, with four signal input channels and four signal output channels. The signal input channels can receive the signal from the temperature sensor and the dry contact type trigger signal, while output channels can output 0-10V dimming signal, or be used for channel LED state drive.

## Functions

- Dry contact input and temperature sensor input are available
- 0-10V dimming output signal enable to control 0-10v devices, such as LED lights
- Supports 4CH dry contact input and 4CH LED state output
- 3 working modes:
  - Sensor control (Dry contact sensor, temperature sensor)
  - Logic control
  - Dimming control (0-10V)
- Control types: Switch control, Dimming control, Shutter control, Flexible control, Scene control, Sequence control, Percentage control, Threshold control, String control, Forced control, PMW output, Counter control, Combination control, LED status indication

## 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 only can be programmed by ETS Software.
- KNX Bus voltage - 21~30V DC, no AC power supply allowed.
- Temperature sensor - TTS/APR1.0 is required.
- Hand-in-hand connection for KNX Bus is recommended.

## Product Information

Dimensions - See Figure 2

Temperature Sensor - See Figure 3

Wiring - See Figure 4

1. Temperature sensor
2. Dry contact sensor
3. Dimmable Ballast(0~10V)
4. KNX interface
5. LED indicator of programming button
6. 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/S04.1\*1 / Temperature sensor\*1 / Dry contact cable\*2 / Datasheet\*1

## Technical Data

### Basic Parameters

Working voltage	21~30V DC
Working current	5mA/30V DC
Output voltage	0~10V DC
DC0~10V output current	3mA
Input sensor	Switch/temperature sensor
Temperature sensor	TTS/APR1.0
Communication	KNX/EIB
Cable diameter of KNX terminal	0.6 - 0.8mm

### External Environment

Working temperature	-5°C~45°C
Working relative humidity	≤90%
Storage temperature	-20°C~60°C
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

E-mail: support@hdlautomation.com

Website: <https://www.hdlautomation.com>

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