HDL-MS24.232
24-Zone Dry Contact Module

Datasheet
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Figure 1. 24-Zone Dry Contact Module

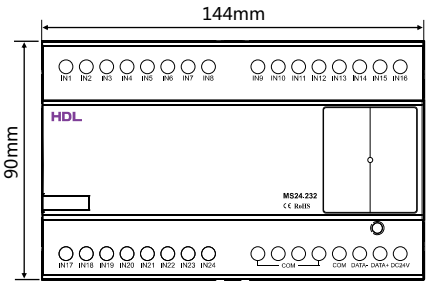


Figure 2. Dimensions - Front View

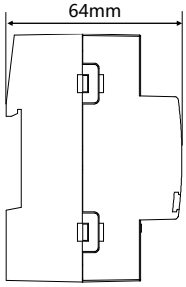


Figure 3. Dimensions - Side View

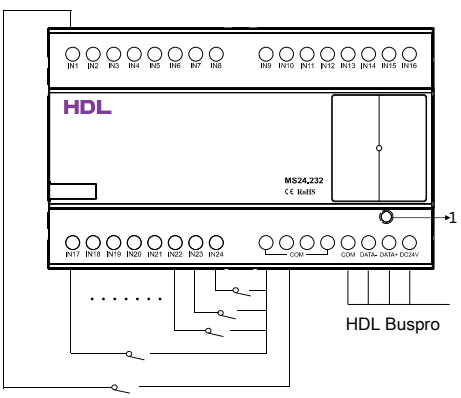


Figure 4. Wiring

Overview

24-Zone Dry Contact Module (See Figure 1) is a sensor signal input module, which supports up to 24 dry contact inputs.

Functions

- 24 channels of dry contact input.
- Switch types include: mechanical switch, single-on, single-off, single-on/off, combination on, combination off, combination on/off, invalid switch, (Both mechanical switches and combination switches can set 49 control targets).
- Control target mode: scene, sequence, universal switch, single channel lighting control, broadcast scene, broadcast channel, curtain control, panel control, GPRS etc.
- Security function, should be used in conjunction with the security module.
- Supports online upgrade via HDL Buspro.

Important Notes

- Buspro cable - CAT5E or dedicated HDL Buspro cable.
- Buspro connection - Series connection (hand-in-hand recommended).
- Dry contact signal cable - Recommend shielded cable, less than 20 meters.
- Connection checking - Check all connection after installation.
- Installation - 35mm DIN rail installation, inside DB box.

Product Information

Dimensions - See Figure 2 - 3

Wiring - See Figure 4

1. Programming button & module indicator, flickers when the module is working properly. Keep pressing for 3 seconds, user can read and modify the address of the module via HDL Buspro Setup Tool.

Installation - See Figure 5 - 7

Step 1. Fix the DIN rail with screws.

Step 2. Buckle the bottom cap of the 24-Zone Dry Contact 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

- 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.
- The device should be installed with DIN rail in DB box. 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

HDL-MS24.232*1 / Label*5 / Datasheet*1



Figure 5

1

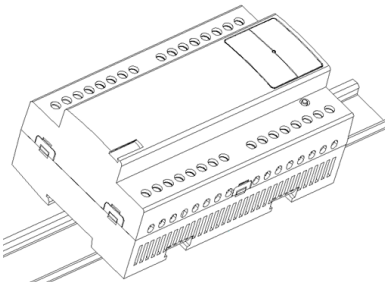


Figure 6

2

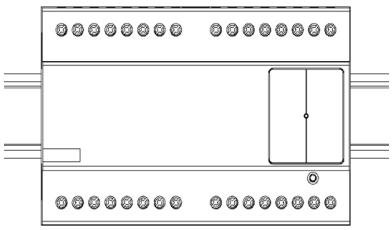


Figure 7

Figure 5-7. Installation

Technical Data

Basic Parameters	
Working voltage	12~30V DC
Working current	12mA/24V DC
Communication	HDL Buspro
External Environment	
Working temperature	-5℃~45℃
Working relative humidity	≤90%
Storage temperature	-20℃~60℃
Storage relative humidity	≤93%
Specifications	
Dimensions	144mm×90mm×64mm
Net weight	373g
Housing material	ABS，PC
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.

HDL Buspro Cable Guide

HDL Buspro	HDL Buspro Cable	CAT5/CAT5E
DATA+	Yellow	Blue/Green
DATA-	White	Blue white/Green white
COM	Black	Brown white/Orange white
24V DC	Red	Brown/Orange

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