



MI.06A
6 CH Dry Contact Module

Product Manual

Release: September 22, 2023
Version: V1.2



Figure 1. 6 CH Dry Contact Module

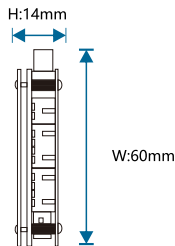
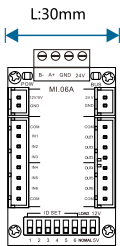


Figure 2. Dimensional Drawing - Front View Figure 3. Dimensional Drawing -Sideview

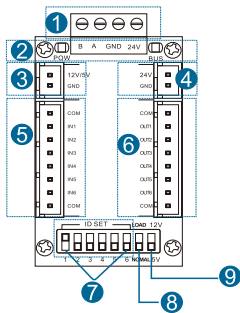


Figure 4. Product Information

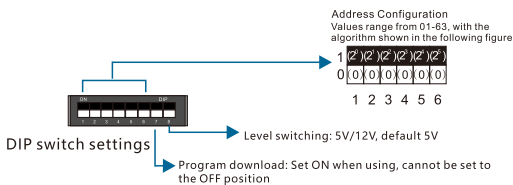


Figure 5. Address DIP Switch Table 1

ID SET	1	2	3	4	5	6	7	8	ON OFF
ID01	ID02	ID03	ID04	ID05	ID06	ID07	ID08		
ID09	ID10	ID11	ID12	ID13	ID14	ID15	ID16		
ID17	ID18	ID19	ID20	ID21	ID22	ID23	ID24		
ID25	ID26	ID27	ID28	ID29	ID30	ID31	ID32		
ID33	ID34	ID35	ID36	ID37	ID38	ID39	ID40		
ID41	ID42	ID43	ID44	ID45	ID46	ID47	ID48		
ID49	ID50	ID51	ID52	ID53	ID54	ID55	ID56		
ID57	ID58	ID59	ID60	ID61	ID62	ID63			

Figure 6. Address Dip Switch Table

Product Overview

6 CH Dry Contact Module (see Figure 1), serves as a system control unit, typically installed in the 86 bottom box. The product is small in size, can be hidden installation, provides 6 channels dry contact sensor input and 6 channels TTL level output, can be used with reset panel or self-locking panel, can access a variety of sensors input dry contact, such as human body sensing, radar sensing, light sensing module.

Function Description

- Small size, perfect for 86 box hidden installation.
- Provides 6 dry contact signal inputs for identification of mechanical keys and sensor trigger switches.
- Output level can be set to 5V or 12V, can adapt to a variety of LED switch panel.
- Comes with hardware logic function, 1 way or logic and 1 way and logic input.
- Port status LED indicator.
- 5/12/24V voltage output to adapt to a variety of sensors.
- Supports online firmware updates and Bus network disconnection alarm function.
- Support YC-BUS communication.

Precautions

- Use CAT5E or RVV4*0.75 four-core wire for bus wiring.
- Do not connect signals of bus interfaces A and B incorrectly; otherwise, bus signals will be abnormal.
- IN1-IN6 channel dry contact input, do not exceed 28V; otherwise, the device will be burned.

Product Information

Product Dimensions: See Figures 2 and 3
Product Wiring: See Figure 7-9
Product Information: See Figure 4

1. Bus Interface: 24V, G, A, B. When cascading with other bus interfaces, do not misconnect (see Figure 8).
2. LED Indicators::
 - Pow: Power indicator light.
 - NET: Network indicator light; steady on indicates normal network connection, slow blinking indicates abnormal network connection.
3. Voltage output: 12/5V output voltage. The default output is 5V. If dip dial 8 is ON, the output is 12V.
4. Voltage output: 24V output voltage
5. Dry contact input interface: IN1-IN6 input interface, the two COM is the common interface, any connection, a total positive, COM and IN1-IN6 short contact sends IO signal, NET light will blink when short-circuiting, this indicates that the IO signal is triggered, and the trigger signal can be set by the software to short press, long press, and release the trigger mode.
Note: When IN1-IN6 is entered at the same time, IN7 and logic are triggered. If either IN1-IN6 is triggered, IN8 or logic is triggered. This setting is virtual and needs to be set by software.
6. TTL level interface: OU1-OU6 input interface, the two COM is the common interface, any connection, a total positive. The default output of the level is 5V, and when the dip dial 8 is ON, the output is 12V
7. Address setting: The default address is 01, the address is set to 01-63 (decimal), using a 6-bit dial, binary dial mode, setting mode (see Figure 6).
8. Program download: Note: This dial is set to OFF, not ON.
9. Level switching switch: The default is 5V output level, 5V/12V adjustable.

Product Installation

- Step 1. Hidden installation, typically installed in the 86 bottom box , or electric box .

Safety Warning

- Tightening torque should not exceed 0.4 Nm.
- Installation location: Distribution box./86 bottom box
- Do not connect the YC-BUS interface incorrectly, as it may damage the equipment.
- The YC-BUS interface must not be connected to AC power; otherwise, it will damage all devices on the bus.
- Ensure a good ventilation environment.
- Do not expose to rain, contact with other liquids, or corrosive gases.

Packing List

- MI.06A*1/8P cables*2/2P cables*2/User Manual*1/Certificate of Conformity*1

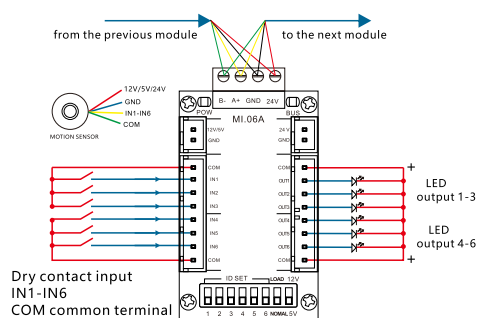


Figure 7. Dry Contact Wiring Diagram

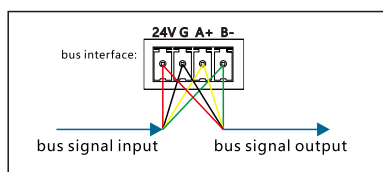


Figure 8. Bus Interface Wiring Diagram

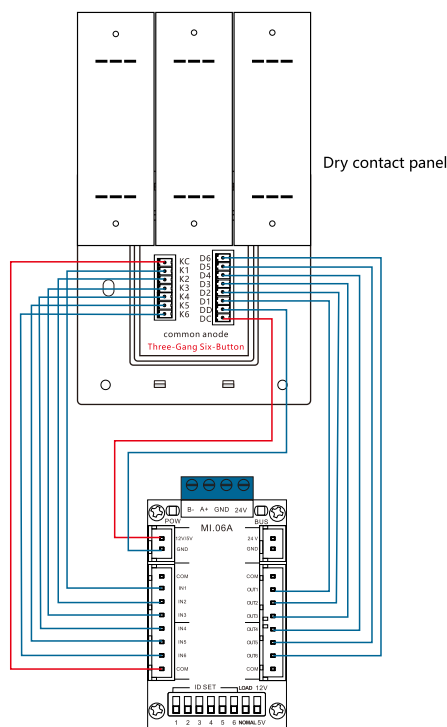


Figure 9. Connect the dry contact panel with feedback

Technical Parameters

Basic Parameters

Operating Voltage	24VDC±10%
Rated Power Consumption	≤0.5W
Bus Interface	bus interface*1
Dry Contact Input	6 dry contact inputs, contact 28V
LED Output	6 ordinary switch LED output control, 5V/12V can be set
Logical Function	1 way or logic and 1 way with logic input
Control Panel	2*running light
Protection	NONE

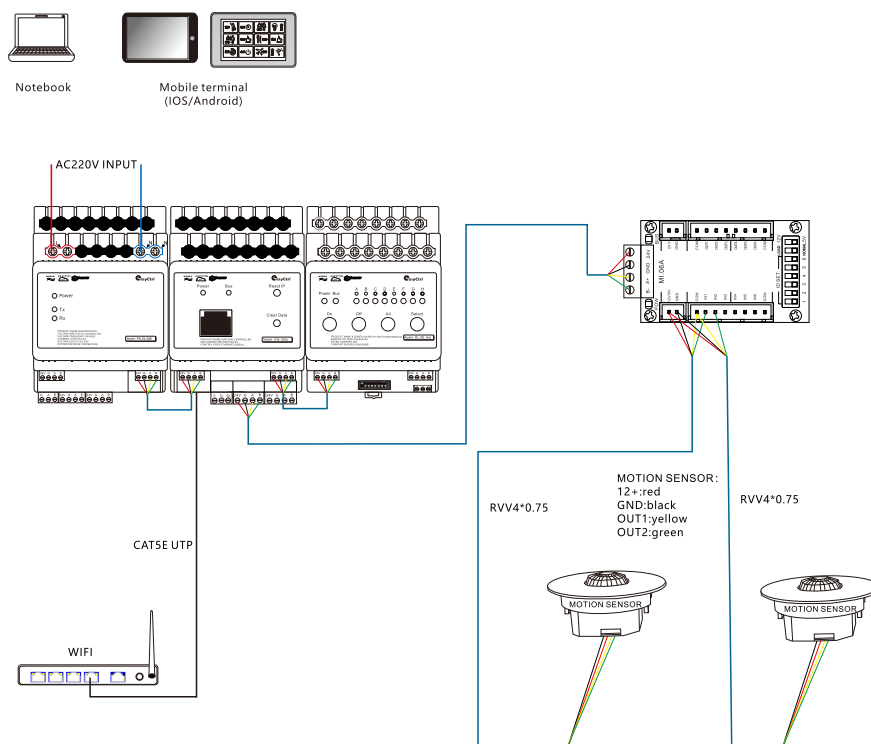
External Environment

Operating Temperature	-5°C~45°C
Operating Relative Humidity	≤90%
Storage Temperature	-20°C~60°C
Storage Relative Humidity	≤93%

Product Specifications

Dimensions (L*W*H)	60mm*30mm*14mm
Net Weight	≤41 g/pcs
Enclosure Material	PCB board quality
Installation Method	hidden installation
Protection Level	NONE

System Diagram



Bus Specification

Bus interface	4-core wire: RVV4*0.75	UTP: CAT5/CAT5E
24V	RED	BROWN WHITE/BROWN
GND	BLACK	BLUE WHITE/BLUE
A	YELLOW	ORANGE WHITE/GREEN WHITE
B	GREEN	ORANGE/GREEN

Technical support

Service Hotline: 86-18029750069

working hours: 9:00-12:00,13:00-18:00,From Monday to Friday)

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