

OM611

Output Module

(Relay Module)



Product Overview

Applied with advanced MCU single-chip micro-processor, Surface Mount Technology and Two-wire non-polarity Input, the Output Module OM611 possesses 2 kinds of encoding methods both auto-encoding of the Control Panel and electro-encoding of the Address Encoder. It also has the function of auto-measuring Voltage between both ends of the module. This module is used together with the Intelligent Fire Alarm Control Panel OZH4800. The auto-encoding method can take reference to the Instruction of the Control Panel. And the electro-encoding method can take reference to the Instruction of the electronic encoder.

The OM611 Output Module receives the programmed commands from the Control Panel and controls 1 group of the Output signals: NO or NC signal, in order to start the field linkage equipments. Then it receives Feedback signal sent by the linkage equipment after action and transmits the signal of Started and Feedback back to the Control Panel showing the location of the signal, meanwhile lighting the LED indicator. (Blinking green at normal state and Blinking red continuously when Start and Feedback)

Specifications

Supply Voltage: Two-wire bus, DC20V~DC28V, non-polarity; External power, DC24V

Consuming Current of Relay Starting: < 15mA

Standby Current of Bus: < 0.3mA

Alarm Current of Bus: < 0.6mA

Capacity of the Relay Contact: DC24V, 1A

Range of the address: 1~192

Size: 96×65×37mm (length × width × height)

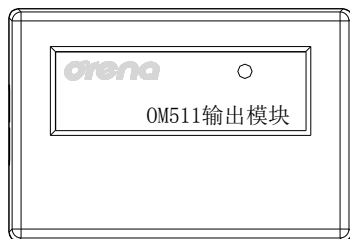
Using Environment: Temperature: -10°C~+50°C Related Humidity: ≤95% (40±2°C)

Preparation before installation

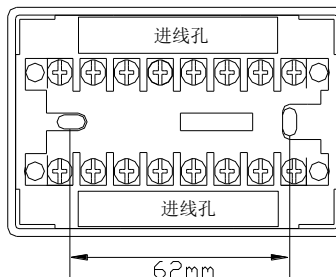
There are 2 ID code with 8 numbers on the adhesive sticker of the detector base. Before installation, please take off one of them, stick it to the debugging record book and write the corresponding installing location on beside the adhesive sticker.

Installation

The space between the installation holes of the module refers to the Installation Size Diagram below. Use the M4 screw to fasten it on the wall-mounting box or in the wiring terminal box. Introduced with auto-programming, the settings of the address can take reference to Instruction of the OZH4800E Intelligent Fire Alarm Control Panel.



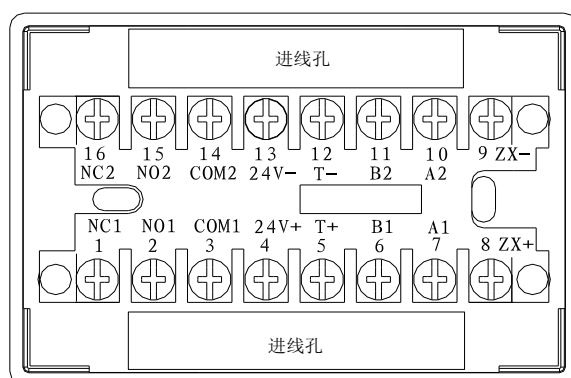
Outline of the Module



Installation Size Diagram

Wiring

1. Connect the terminal 8 and 9 of OMDZ51 base to the bus line signal terminals of the Control Panel, there is no polarity difference.
2. Connect the terminal 4 and 13 with "24V+, 24V-" respectively.
3. Terminal 6 and 7 is Passive Feedback Input signal, which receives the Dry Contact Feedback signal that sent by the field linkage equipment after action. (Note: when action is finished, the electric contact on the field linkage equipment is closed.)
4. Terminal 3 & 1 and 3 & 2 are Output Dry Contact, which are NC Contact and NO Contact of the Output Relay respectively.



OMDZ51 Base

Notice

1. After installation, the top cover of the module must be fastened tightly on the base.
2. The wires must be connected or tinned firmly and can't be winded randomly.
3. After the base is installed, the wire pipe on the ceiling should be sealed with sealing paste or sealing glue to prevent accumulated water going into the unit.

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