ORENA

OM621

Dual Output Module

(Relay Module)



Product Overview

Applied with advanced MCU single-chip micro-processor, Surface Mount Technology and Two-wire non-polarity Input, the OM621 Dual Output Module 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 OM621 Dual Output Module receives the programmed commands from the Control Panel and controls 2 groups of the Output signals: NO or NC signal, in order to start the field linkage equipments. Then it receives 2 Feedback signals sent by the linkage equipments after action and transmits the signals of Started and Feedback back to the Control Panel showing the location of the signals, meanwhile lighting the LED indicator (Blinking green at normal state and Blinking red continuously when Start and Feedback). The OM621 Dual Output Module occupies 2 addresses and has 2 Output groups.

Specifications

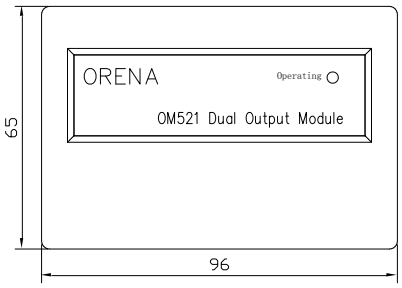
Supply Voltage: Two-wire bus, DC20V~DC28V, non-polarity; External power, DC24V
Consuming Current of Relay Starting: < 30mA
Standby Current of Bus: < 0.3mA　　Alarm Current of Bus: < 0.6mA
Capacity of the Relay Contact: DC24V, 1A　　Range of the address: 1~192
Size: 96×65×37mm (length × width × height)
Using Environment: Temperature: –10° C~+50° C　Related Humidity: ≤95% (40±2° C)

Preparation before installation

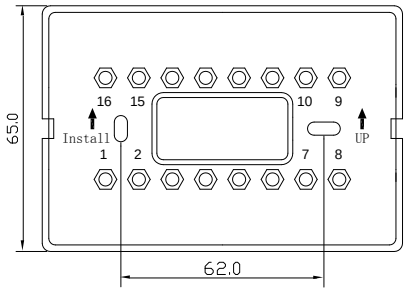
There are 2 ID code with 8 numbers on the adhesive sticker of the detector base. Before installation, please take off one of them, stick it to the debugging record book and write the corresponding installing location on beside the adhesive sticker.

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 online auto-identifying and auto-registering, the address setting of the module can be looked up on the Control Panel: find the ID code on the module base (has been stuck on the debugging record book) and you can see the corresponding addresses. Address 1 is “N” and Address 2 is “N+1”. You can also take reference to Instruction of the OZH4800E Intelligent Fire Alarm Control Panel.



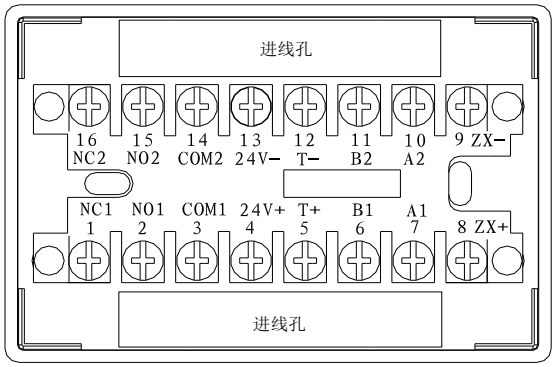
Outline of the Module



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 1, 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.) It is corresponding with “Address 1”.
4. Terminal 3 & 1 and 3 & 2 are Output Dry Contact 1, which are NC Contact and NO Contact of the Output Relay 1 respectively. They are corresponding with “Address 1”.
5. Terminal 10 and 11 is Passive Feedback Input signal 2, which receives the Dry Contact Feedback signal sent by the field linkage equipment. It is corresponding with “Address 2” .
6. Terminal 14 & 16 and 14 & 15 are Output Dry Contact 2, which are NC Contact and NO Contact of the Output Relay 2 respectively. They are corresponding with “Address 2”.



OMDZ51 Base

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