ORENA

OM622

Dual Input Module

(contact monitor module)

Product Overview

Applied with advanced MCU single-chip micro-processor, Surface Mount Technology and Two-wire non-polarity Input, the OM622 Dual Input 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 OM622 Dual Input Module is used for monitoring any of NO contact signals of the field devices, like the water-flow indicators, signal valves, pressure switches, etc., when it acted. Then transmits the signal it received to the Fire Alarm Control Panel through the Bus line and showing the location of the signal, lighting the alarm indicator on the faceplate of the module meanwhile (Blinking red continuously is for Fire Alarm and blinking green at normal checking time). The OM622 Dual Input Module occupies 2 addresses and has 2 Input contact signals.

Specifications

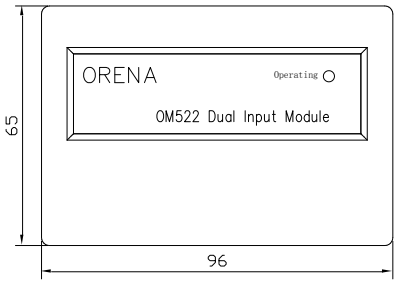
Supply Voltage: Two-wire bus, DC20V~DC28V, non-polarity
Standby Current: < 0.28mA
Alarm Current: < 25mA
Range of the address: 1~192
Size: 96×65×37mm (length × width × height)
Using Environment: Temperature: –10° C~+50° C Related Humidity: ≤95% (40±2° C)

Preparation before installation

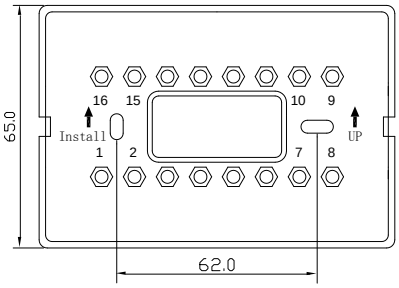
There are 2 ID code with 8 numbers on the adhesive sticker of the detector base. Before installation, please take off one of them, stick it to the debugging record book and write the corresponding installing location on beside the adhesive sticker.

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.



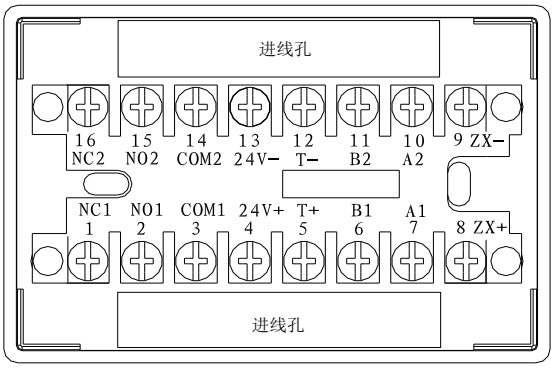
Outline of the Module



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 terminal 6 and 7 with the Passive Feedback signal 1 sent by the field linkage equipment 1 when action is finished. It is corresponding with “Address 1”.
3. Connect terminal 10 and 11 with the Passive Feedback signal 2 sent by the field linkage equipment 2 when action is finished. They are corresponding with “Address 2”.



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.

Orena Sales and Service

Shenzhen Orena Photonic Technology Co., Ltd

Orena Bldg, Zhong’an Industrial Park, Longjing Road, Nanshan District, Shenzhen, 518055, P.R.China

Ph: 86.755.2678.7499 86.755.2678.0655 x.2719 Fx: 86.755.2678.7499

E-mail: oem@orena.com.cn www.orena.com.cn