

## OM613

### Interface Module

for conventional detectors



#### Product Overview

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Applied with advanced MCU single-chip micro-processor, Surface Mount Technology and Two Wire non-polarity Input, the Interface Module OM613 possesses 2 kinds of encoding methods both auto-encoding of the control panel and electro-encoding of 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 OZH4800E. 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 Interface Module OM613 is used for monitoring the state of the conventional detectors if it is normal or showing fire alarm, and sends the message to the Fire Alarm Control Panel. Mostly used in places that need a large protective area and more detectors, such as lobbies, hallways, etc. Several detectors shares a same address. Applied with double color lighting LED to show the state. The light showing twinkling green is for normal, and twinkling red for fire alarm.

#### Specifications

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

Standby current:  $\leq 0.4\text{mA}$       Alarm current:  $\leq 1\text{mA}$

Range of the address: 1~192

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

Using environment: Temperature:  $-10^{\circ}\text{C}\sim+50^{\circ}\text{C}$       Related Humidity:  $\leq 95\%$  ( $40\pm 2^{\circ}\text{C}$ )

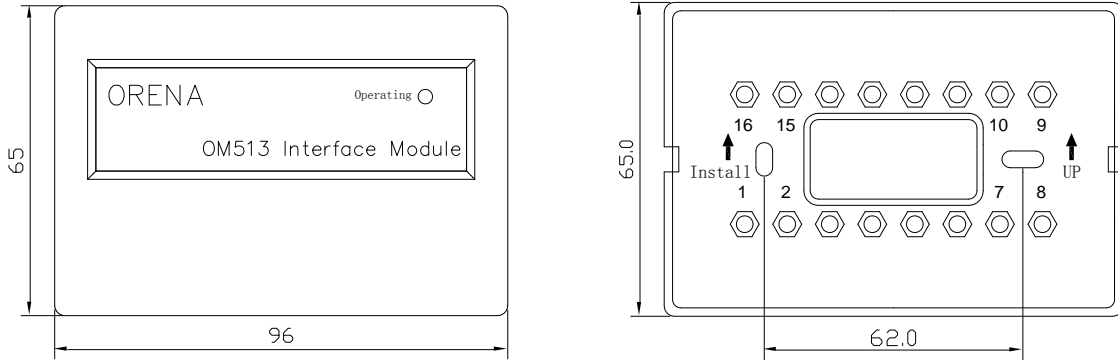
#### Preparation before installation

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

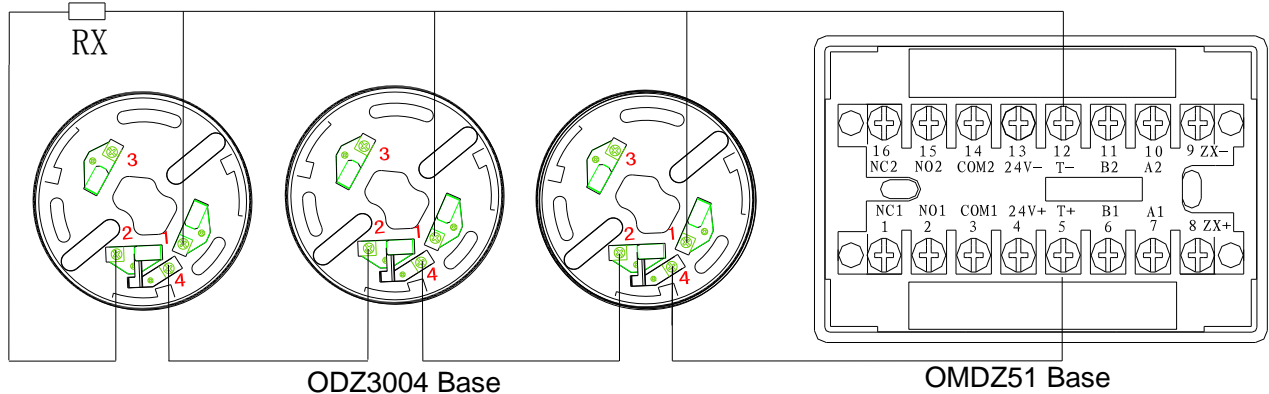
## Installation

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 wire terminal box. Introduced with auto-programming, the settings of the address can take reference to Instruction of the OZH4800E Intelligent Fire Alarm Control Panel.



## Wiring

Connect the terminal 8 and 9 of OMDZ51 base to the signal interface of the Control Panel. There is no polarity difference. Connect the terminal 5 and 12 to the base of conventional detector. The following picture is the wire diagram of OT302 photoelectric smoke detector produced by our company. (The maximum amount of conventional detectors is 15pcs. The last one should connect with a 6.8k-0.25W-J terminal resistor. Terminal 4 and 13 should connect with DC24+ and DC24- respectively.)



## 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

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