C-9318 Gas Extinguishing Warning Indicator
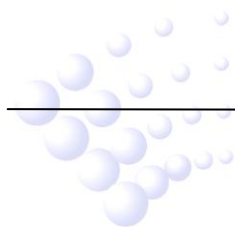# Installation and Operation Manual
(Issue 3.02, August 2012)

CONTENTS

I General

C-9318 Gas Extinguishing Warning Indicator (hereinafter called the indicator) is the accessory equipment of a gas extinguishing system. It's usually installed at the entrance of the protected area. After gas is released, the controller will activate the indicator to give visual indication warning people in field to take relative measures. This indicator is non-addressable and is used together with extinguishing control panel.
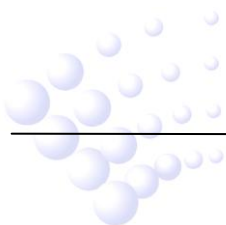
II Features

1. "Gas Extinguishing DO NOT ENTER" is printed on the panel of the indicator.
2. Several highlight red LED as background light, which is eye-catching, life-long and low voltage consumption.

III Technical Specifications

1. Activating Voltage: DC24V Range Allowed: DC20V～DC28V
2. Action Current≤100mA
3. Flashing Frequency:20～180 times per minute.
4. Wiring: Polarized two-wire with power cable.
5. Operating Environment:
     Temperature: -10℃～+50℃
     Relative Humidity≤95%, no condensation
6. Dimension:280mm×110mm×46mm
7. Material and Color of Enclosure: iron enclosure/ grayish white, with plexiglass in front/red
8. Weight: About 850g
9. Mounting Hole Distance: 257mm

IV Structure and Operation Principle
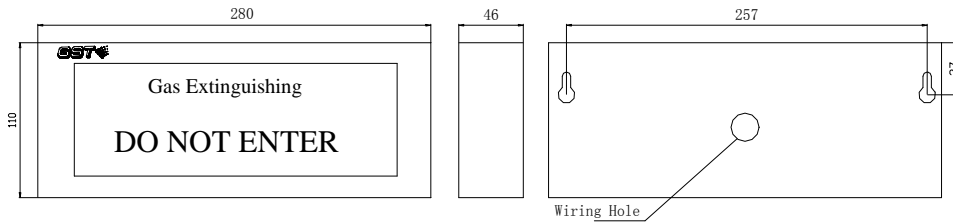
1. Appearance of the indicator is shown in Fig.1.

Fig.1Appearance

2.   Operation Principle

The indicator adopts NE555 Precision Timer to control flash frequency.   Applying DC24V, highlighted LED as background light starts to flash. Warnings are printed on the plexiglass. The plexiglass is dulled for even display.

V   Mounting and Wiring

1.   This indicator is wall-mounted.

Fig.2 Terminals

2.   Terminals are shown in Fig.2.

G1, R1 (XT1): To DC24V or GND, R terminal of extinguishing control panel, polarized.

G2, R2 (XT2): Connecting with gas extinguishing warning indicator in series   or with 4.7kΩ resistor.

3.   Installation is in four steps:

1)   Open the top cover by twisting down the screws on the two sides.

2)   Fix the indicator by two Φ5 expansion bolts or nails.

3)   Thread the wiring tube through the wiring hole and connect it to corresponding terminals.

4)   Put on the top cover and twist the screws.

4.   Wiring: BV wires with cross section not less than 1.0mm^2.

VI Applications

The indicator can be directly connected with corresponding terminal GND and R of the extinguishing control panel. A 4.7kΩ terminal resistor is connected to XT2 before delivery. When several indicators are connected in series, a 4.7kΩ terminal resistor must be connected to XT2 of the last indicator and those on other indicators should be removed.

The indicator can also work independently by applying DC24V to XT1 terminal, on which R1 is connected with the anode and G1 with the cathode. The 4.7kΩ resistor on
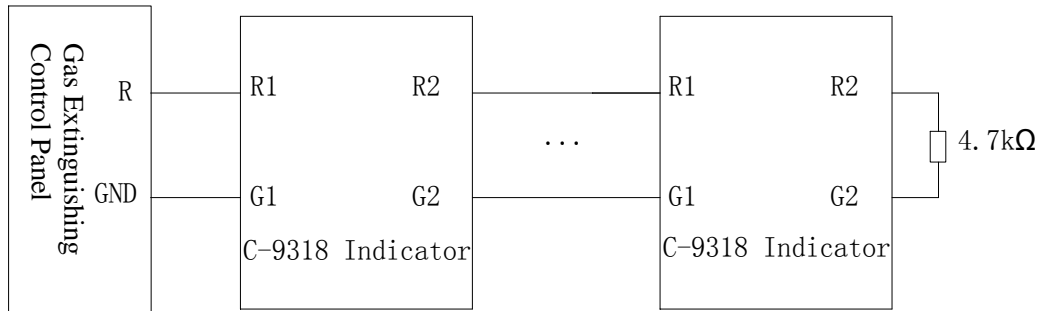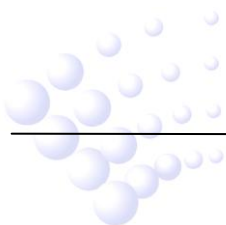
XT2 can be removed.

Fig. 3 Application Method

VII Cautions

1. This product is important fire protection equipment, installation and design should be in compliance with relevant codes.
2. Regular functional checks should be made to the indicator to ensure its normal operation.
3. It's prohibited to dismount the indicator. Contact the manufacturer in time when it's damaged.

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