I-9702LW-NG
Addressable Gas Detector

Description

I-9702LW-NG Addressable Gas Detector is used to detect leakage of home use natural gas in such areas as houses, hotels and apartments. When leakage is detected, the detector will generate high buzzer alert sound, and provide a dry contact to turn exhaust fan, The addressable detector can be linked into GST fire alarm system to carry out intelligent control.
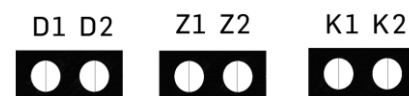
Features and Benefits

- Electronically addressed
- Local buzzer alarm
- Self-diagnostic
- Relay output
- Easy installation

Terminals and Installation Holes

Below figure shows terminals on the isolator base.

Terminal description:

D1 D2   Z1 Z2   K1 K2

D1, D2: 24VDC power supply, non-polarized

Z1, Z2: Addressable loop, non-polarized

K1, K2: 30VDC/3A normally open contact, closes when detector alarms.

Warning: It's prohibited to connect 220VAC directly through K1 and K2.

Recommended Cabling
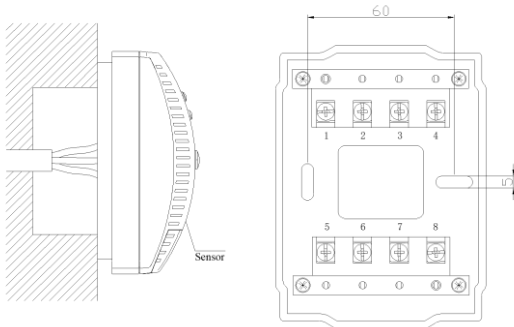
$1.0mm^2$ or above Fire-resistant cable for Z1 and Z2

$2.5mm^2$ or above Fire-resistant cable forD1 and D2

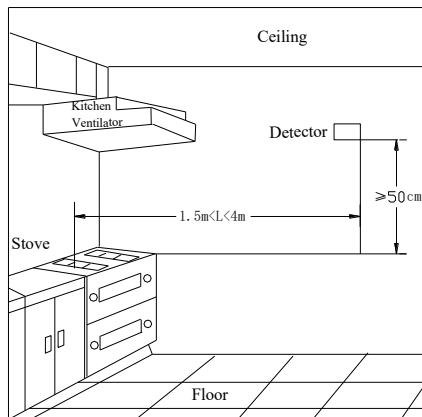$1.0mm^2$ or above Fire-resistant cable for K1 and K2

All cables should be subject to local codes.

Application

The detector is wall mounted type with a bracket.

The detector and the gas stove should be placed in the same room. The detector should be mounted above 50cm from the resources or the gas stove. The detector should be within 1.5m ~ 4m to the gas resource or the gas stove..

After powered up, the detector will take 3~6 minutes for warm-up well the green LED flashes, and then it will light constantly for normal monitoring.

If the detector alarms, the Alarm/Fault LED flashes red, and the buzzer sounds about twice every second. If the detector is in trouble, the Alarm/Fault LED illuminates yellow steadily, and the buzzer sounds once every 10 seconds.

There is a Self Test button on the detector to test if the LEDs and buzzer works normally. Pressing the Self Test button, the LEDs flash once in turn, and the buzzer sounds three times.

Order Information

Part No.	I-9702LW-NG
Device Name	Addressable Gas Detector
Product No.	1010XXXX

Technical Specification

Working Voltage	Power: 24VDC (16V~DC28V) non-Polarized Loop: 24V (16V~28V) non-Polarized
Power Consumption	Power: Normal state≤0.5W Alarm State≤1W Loop: Normal state≤1mA Alarm State≤2mA
Output Relay Capacity	N/O, 3A 30VDC/1A 125VAC
Alarm Threshold	10%LEL(methane)
Indicator	Power LED: Green Alarm/Fault LED: Dual color, red when alarming, and yellow in fault. Flash yellow once detector sensor end of life
Buzzer	Sounds twice per second when alarming, and once every 10 seconds in fault.
Life of Sensor	5 Years
Ingress Protection	IP30
Working condition	-10℃~ +55℃, ≤95%RH, no condensation
Material	ABS
Weight	~180g
Mounting Hole Distance	60mm
Dimension	121mm×87mm×58.5mm

Caution

1.Avoid using much hair tonic, pesticide, paint, alcohol, diluents, etc near the detector.

2.The detector is only sensitive to NG.

3.Don't install the detector at locations with high temperature (near stoves) or too much oil smoke (near kitchen ventilator).

4.The detector should be tested every 6 months.

5.The detector can be tested by a lighter. The detector should alarm in about 10 seconds.

Accessories and Tools

Part No.: P-9910B

Device name: Handhold Programme

Product No.: 10104894