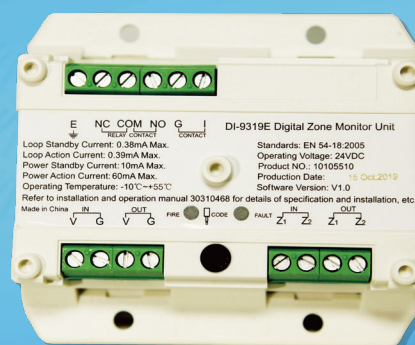


# DI-9319E

## Digital Zone Monitor Unit



### Description

DI-9319E Digital Zone Monitor Unit is designed to connect conventional detectors into addressable system. When any device reports fire signal, the module will transmit the signal to the fire alarm control panel which generates fire alarm and displays the address of the module. It is also suitable to connect dry contacts input, collect action or fault signals.

### Features and Benefits

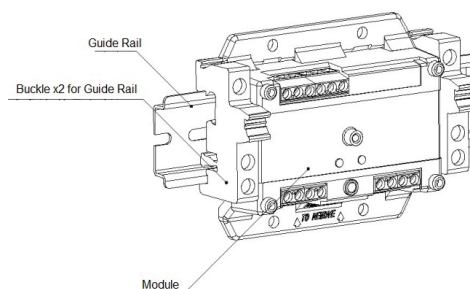
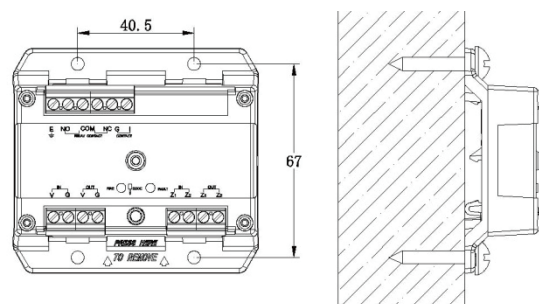
- Input port cable monitoring with 4.7KΩ EOLR
- Monitoring power supply
- Two indicators for fire and fault
- Normally-open or Normally-close output automatically follows input port to change state
- Electronically addressed. Addresses can be modified in field
- Din-Rail mount or surface mount

### Certificates and Compliance

- Standards: EN 54-18:2005
- Certifications: LPCB
- WEEE & RoHS Compliant

### Installation

The installation points of the module are shown below, Wall-mount and Rail-mount. DIN-35mm rail is applicable.



### Terminals and Recommended Cabling

(Z1, Z2) IN & OUT: Loop connection, In & Out, non-polarized  
(V, G) IN & OUT: 24VDC power supply, V is positive, G is negative  
I, G: Conventional detectors, polarized

IMPORTANT: This publication is a generic version in which product information is shown for informational purposes only and does not constitute a specific commitment or guarantee. We are constantly pursuing the improvement of product technology to improve product performance, for which we reserve the right to adjust the configuration and technical information of the related products without notice. In addition, the description of system performance in this publication applies only to the usual situation. As a result, there may be a variety of unpredictable special circumstances in the real world, so the realization of the relevant product performance will depend on the professional investigation and analysis and the design plan. Please contact us and we will be happy to provide you with professional advice.

E: Optional Ground connection. This terminal shall not be connected when the 24VDC power circuit provides cable checking. Otherwise, it shall be connected to ground.

COM, NO, NC: Dry contact output terminals.

Recommended Cabling: 1.0mm<sup>2</sup> or above fire cable for all terminals. Subject to local codes.

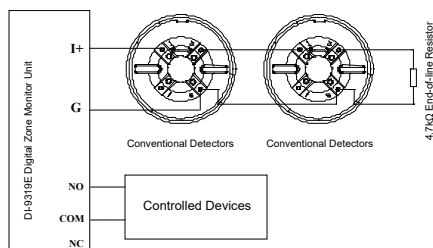
## Application

The module is electronically programmable. Set the address by handheld programmer P-9910B.

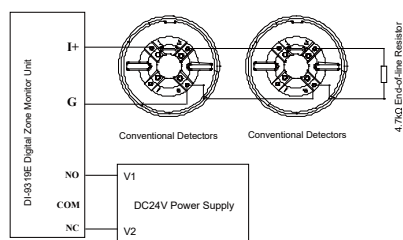
The operation can be done either through the clips-link to the terminals (Z1&Z2), or through the earphone-link to the 3.5mm code-jack.

The module can connect up to 30 conventional detectors, manual call points, or the combination. such as DC-9101E Detector, DC-9102E Detector, DC-9103E Detector and C-9104 Detector can be used together.

A typical application connection is shown below.



If the NO and COM terminals do not connect the controlled device, the DC24V power supply on the controller is needed, the system connection is shown as below.



## Technical Specification

Operating Voltage (Loop)	Loop: 24VDC (16VDC-28VDC)
Power Voltage	Power: 24VDC(20VDC-28VDC)

Standby Current	≤ 0.38mA (Loop) ≤ 10mA (Power)
Action Current	≤ 0.39mA (Loop) ≤ 60mA (Power)
Output Capacity	2A@30VDC
Relay Output	NO or NC
Voltage of Input Port	16.8VDC - 27.6VDC
Input Capacity	Up to 30 conventional detectors
Programming	Electronically addressed
Address Range	1 address, from 1 to 242
Indicator	Alarm LED: Red, illuminates in fire condition, quiet when 24V power is off and flashes in other states. Fault LED: Yellow, it turns 0.5s on, 0.5s off when input fault occur, 0.2s on and 0.2s off when output faults occur, 0.1s on and 0.9s off when ground fault occurs. It lights steadily when loop faults occur and it turns off in other states.
Ingress Protection Rating	IP30
Operating Temperature	-10°C - +55°C
Relative Humidity	≤ 95%, non-condensing
Material and Color of Enclosure	ABS, white (RAL9016)
Dimension (L×W×H)	85.3mm×78mm×33mm
Weight	About 74.1g

## Order Information and Compatible Products

Part No.	DI-9319E
Device Name	Digital Zone Monitor Module
Product Code	10105510
Compatible Panel	GST-IFP8 Intelligent Fire Panel GST-200N Intelligent Fire Panel
Compatible Device	DC-9101E Conventional Combination Detector DC-9102E Conventional Smoke Detector DC-9103E Conventional Heat Detector C-9101 Conventional Combination Detector C-9102 Conventional Smoke Detector C-9103 Conventional Heat Detector C-9104 Conventional UV Flame Detector

## Accessories and Tools



Part No.: P-9910B  
Device name: Handheld Programmer  
Product No.: 10104894



Part No.: GST-MBX22  
Device name: Module Box  
Product No.: 30208656



Part No.: GST-MBX29  
Device name: Module Box  
Product No.: 30208657



Part No.: D-93CT2  
Device name: Din-rail Module Transparent Cover 2U  
Product No.: 20103183