

Features

- ✧ Photoelectric insulation technology for loop and power, good ability of anti-interference.
- ✧ Address can be programmed through a programmer or fire alarm control panel (FACP).
- ✧ Microprocessor monitors running, checks the short, broken circuit of output, monitors power supply and transmits the information to the FACP.
- ✧ Four working modes.
- ✧ Plug-in structure.

Description

I-9308 Addressable Sound Circuit Module (the module) is used to drive C-9402 Conventional Base Mount Sounder (C-9402), C-9403 Conventional Sounder Strobe (C-9403), C-9404 Conventional Sounder (C-9404), generating pre-alarm sound, fire alarm and continuous alarm sound. The module is addressable, and four working modes can be set through hand held programmer, with cable-checking.

Connection and Cabling

Fig. 1 shows terminals of the module.

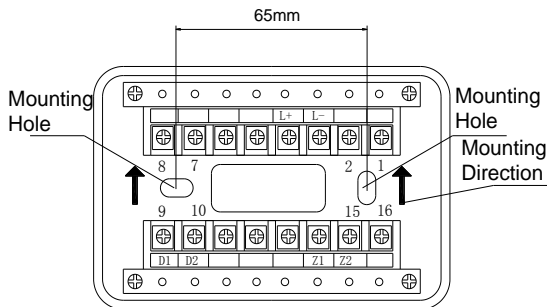


Fig. 1

Connection description:

D1, D2: 24VDC power, non-polarized

Z1, Z2: Connecting with loop of FACP, non-polarized

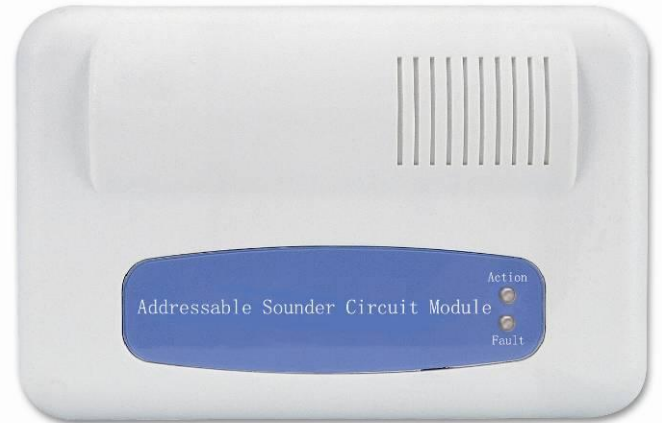
L+, L-: Polarized output, refer to Fig. 6 and Fig. 7 for connection with different sounders.

Recommended Cabling

1.0mm² or above fire cable should be for Z1, Z2. Fire cable, whose cross section should meet with power capacity of connected devices, is for 24VDC power line; 1.5mm² or above fire cable for others, subject to local codes.

Installation

The module is simply plugged onto the base after corresponding terminals are connected.



If the cable conduit is inside the wall, the base is installed onto the Back Box (Fig. 2). If the cable conduit is on the surface of the wall, a B-9310 Back Box is available (Fig. 3).

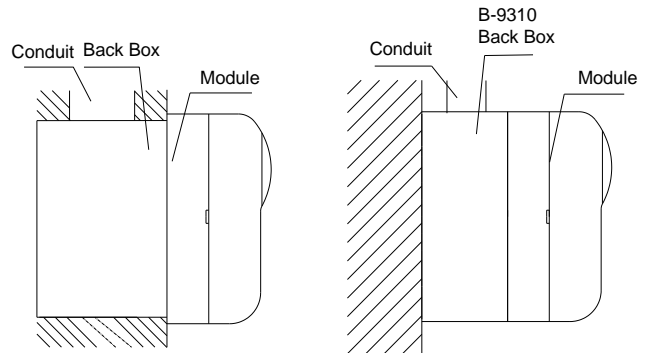


Fig.2

Fig.3

Note the arrow upward for mounting direction (Fig. 1).

Operation

Programming

The module can be programmed in field through a programmer. When the module occupies two addresses, the low address can be programmed and can increase 1 automatically to become the high address. Refer to *P-9910B Hand Held Programmer Installation and Operation Manual* for specific operations.

Setting Working Mode

In power-on state, press *Function* and enter number 4, “—” will show on the last digit. Input the alarm mode parameter, press *Program*, “P” will be shown on the screen, meaning the corresponding mode has been set. The module is defaulted mode I (1). Working mode (I, II, III, IV) can be set in field referring to the corresponding parameters (1, 2, 3, 4). Program the module before installation, use proper mode according to the field conditions.

Mode	Used Address	Controlled devices	Type of Alarm Signal
Mode I	One	C-9403 C-9404	Continuous alarm signal
Mode II	Two	C-9402	Low address: pre-alarm signal High address: Fire alarm signal
Mode III	One	C-9402	Fire alarm signal
Mode IV	Two		Low address: pre-alarm signal High address: continuous alarm signal

Pulse durations of pre-alarm and fire alarm are shown in Fig.4 and Fig. 5.

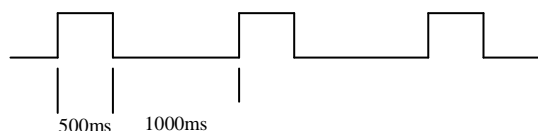


Fig. 4

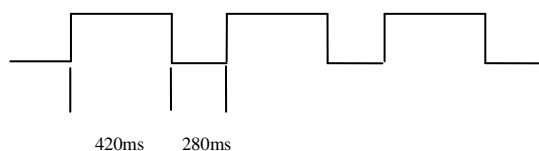


Fig. 5

Applications

The module can connect with C-9402 directly. It can generate pre-alarm signal or fire alarm signal when there is fire information. The system connection is shown in Fig. 6.

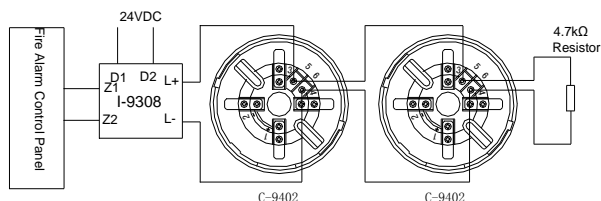


Fig. 6

The module can connect with C-9403, C-9404 directly. It can generate continuous alarm signal when there is fire information. The system connection is shown in Fig. 7.

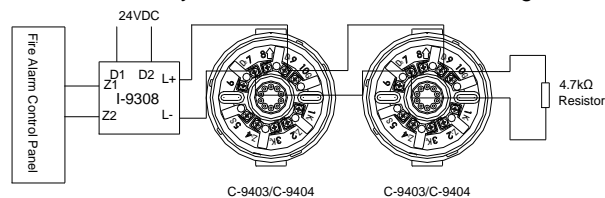


Fig. 7

Specification

Operating Voltage	Loop: Loop 24V (16V~28V) Power: 24VDC (20VDC~28VDC)
Standby Current	Loop $\leq 1.5\text{mA}$ Power $\leq 10\text{mA}$
Action Current	Loop $\leq 4\text{mA}$ Power $\leq 500\text{mA}$
Output Control Mode	Pulse
Alarm Mode	Mode I, Mode II, Mode III, Mode IV. Different addresses.
Programming Method	Electronically addressed with 1~242, occupies one or two addresses.
Indicators	Fault LED: yellow, illuminates when the circuit is short, broken or power cut. Action LED: red, flashes when polling, and illuminates on receiving start signal.
Ingress Protection Rating	IP30
Operating Temperature	$-10^{\circ}\text{C} \sim +50^{\circ}\text{C}$
Relative Humidity	$\leq 95\%$, non-condensing
Material and Color of Enclosure	ABS, white (RAL 9016)
Dimension (L×W×H)	120mm×80mm×43mm (with base)
Weight	About 195g (with base)

Accessories and Tools

Model	Name	Remark
P-9910B	Hand Held Programmer	Order separately
B-9310	Back Box	Order separately

Limited Warranty

GST warrants that the product will be free of charge for repairing or removing from defects in design, materials and workmanship during the warranty period. This warranty shall not apply to any product that is found to have been improperly installed or used in any way not in accordance with the instructions supplied with the product. Anybody, including the agents, distributors or employees, is not in the position to amend the contents of this warranty. Please contact your local distributor for products not covered by this warranty.

This Data Sheet is subject to change without notice. Please contact GST for more information or questions.

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