The Intelligent Solution

I-9308
Addressable Sounder Circuit Module

Features

- ✧ Photoelectric isolation technology for loop and power, good ability of anti-interference.
- ✧ Address code can be programmed through hand held programmer or fire alarm control panel.
- ✧ Microprocessor monitors running, checks the short, broken circuit of output, power cut and transmits the information to the control panel.
- ✧ Four alarm 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 alarm modes can be set through hand held programmer, with cable-checking.

Connection and Wiring

Terminals of the module are shown in Fig. 1.

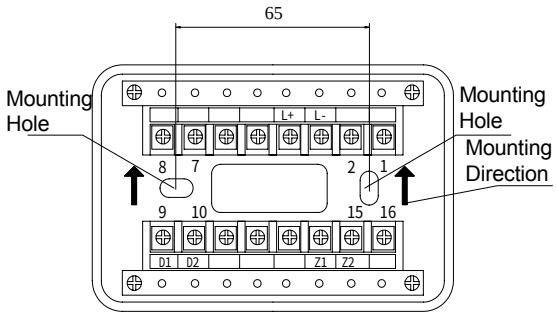

Fig. 1

Connection description:
D1, D2: 24VDC power, non-polarized
Z1, Z2: Signal loop of control panel, non-polarized
L+, L-: Output, non-polarized, refer to Fig. 6 and Fig. 7 for connection with different sounders.

Recommended Wiring

1.0mm^2 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; 1.5mm^2 or above fire cable for others, subject to Local Standards or Regulations.

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 electrical box (Fig. 2). If the cable conduit is on the surface of the wall, B-9310 back box is available (Fig. 3).

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

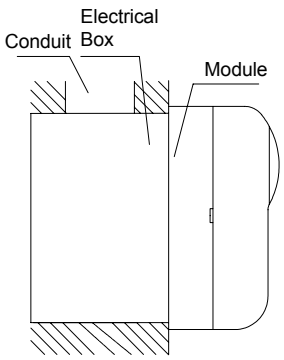

Fig.2

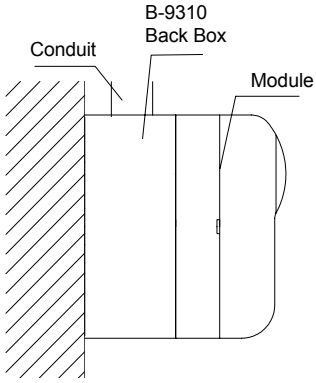

Fig.3

Operation

Programming:

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

Setting Alarm 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 show on the screen, meaning the corresponding mode has been set. The module is defaulted mode I (1). Alarm 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 alarm mode according to the field situations.

Mode	Used Address code	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.

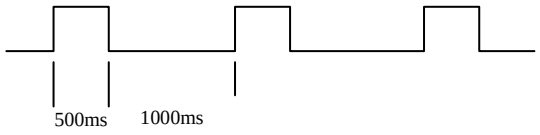

Fig. 4

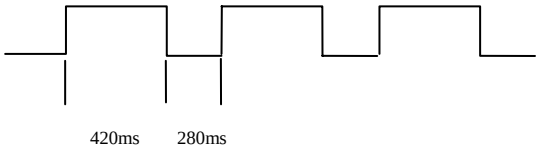

Fig. 5

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 composition is shown in Fig. 6.

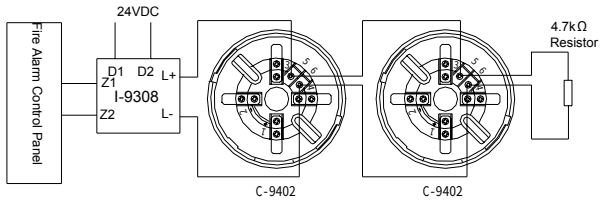

Fig. 6

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

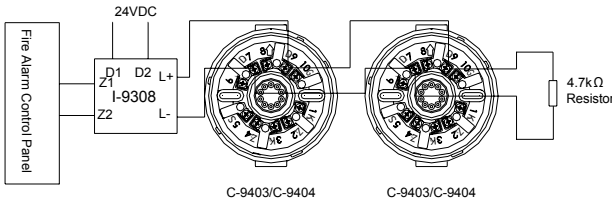

Fig. 7

Specification

Operating Voltage	Signal loop voltage: Loop 24V Power loop voltage: 24VDC
Quiescent Current	Loop ≤1.5mA;Power ≤10mA
Action Current	Loop ≤4mA; Power ≤500mA
Output Control Mode	Pulse
Alarm Mode	Mode Ⅰ, Mode Ⅱ, Mode Ⅲ, Mode Ⅳ
Programming	Electronic programming with 1～242, occupies one or two address codes.
LED	Fault LED, yellow, it illuminates when the circuit is short, broken or power cup. As action LED, red, it flashes when polling, and illuminates when receiving start signal.
Ingress Protection Rating	IP30
Operating Temperature	-10℃～+50℃
Relative Humidity	≤95%, non-condensing
Material and Color of Enclosure	ABS, traffic white (RAL 9016)
Dimension (L×W×H)	120mm×80mm×43mm
Weight	About 195g (with base)

Accessories and Tools

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

Limited Warranty

GST warrants that the product will be free 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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