I-9305
Voice Alarm Zone Control Module

Features

✧ A pair of input signals: 75VDC, 100VDC fire broadcasting signal or 24VDC power.

✧ Connect with fire input port （XF+, XF-） and output port （SP+, SP-） when receiving start signal from the control panel.

✧ Occupying one address. It can be modified through a handheld programmer or fire alarm control panel (FACP).

✧ Loop-powered mode.

✧ Monitoring output circuit in power-on state, report fault message to the control panel when the output circuit is short or broken.

✧ Plug-in structure.

Description

With a MCU, I-9305 Voice Alarm Zone Control Module (the module) can communicate with FACP.

The module is designed to switch between normal broadcasting and voice alarm broadcasting. The module can check power supply, output circuits, and control status indicators.

Set as auto feedback mode, the module can transmit feedback signal automatically to the control panel after switching to fire alarm broadcasting.

Connection and Cabling

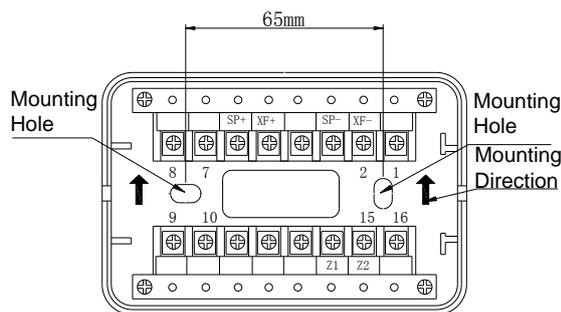Fig. 1 shows terminals on the module.

Fig. 1

Z1, Z2: Connecting with loop of FACP, non-polarized
XF+, XF-: Fire alarm broadcasting or DC voltage (24VDC) input terminal, polarized.

SP+, SP-: Output terminal connecting with speaker or 24V controlled devices. It features cable checking, connecting 47KΩ resistor (0.5W), polarized.
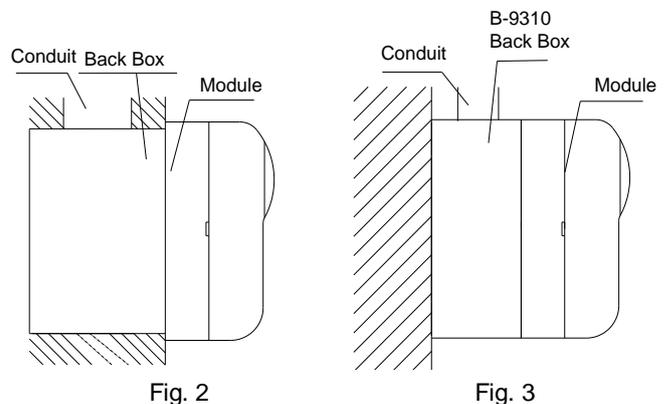

Recommended Cabling

$1.0mm^2$ or above fire cable for Z1, Z2, XF+, XF-, SP+ and SP-, 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, B-9310 Back Box is available (Fig. 3).

Fig. 2   Fig. 3

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

Application

Address and working mode can be set in field through P-9910B programmer, please refer to *P-9910B Hand Held Programmer Installation and Operation Manual* for specific operation. The working mode of module is defaulted non-auto feedback, which can be modified to auto feedback (2).

The module can be connected to addressable fire alarm broadcasting system, as shown in Fig. 4.

Standard 24VDC connection
The connecting equipment should be polarized.

47KΩ Resistor

Standard speaker line connection.
The speaker should have a capacitor in series.

47KΩ Resistor

SP+ SP-

I-9305 Module

Fault Action

Z1 Z2   XF+ XF-

Loop

Fire Protection Input
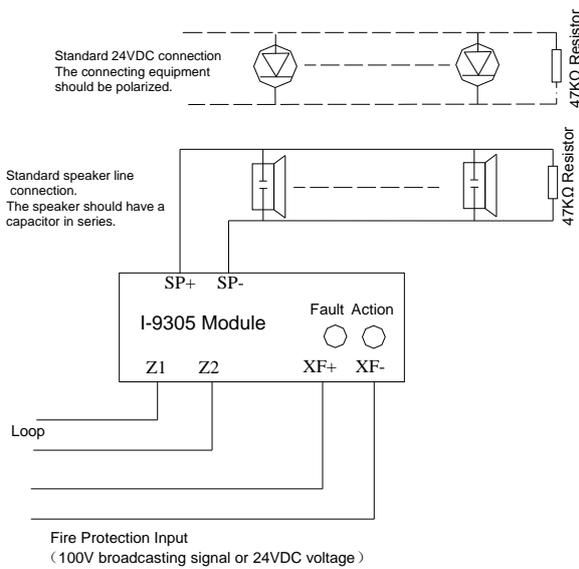（100V broadcasting signal or 24VDC voltage）

Fig. 4

Note: Please don't connect contact of the module to AC loop directly, preventing strong AC interference signal from damaging the module or controlled devices.

Accessories and Tools

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

Specification

Operating Voltage	Loop: 24V (16V~28V)
Operating Current	Standby Current≤1mA Action Current≤4mA
Maximum Output Load	24VDC: 2A Voice Alarm Broadcasting 75V: 60W Voice Alarm Broadcasting 100V: 60W
Output Control Type	Dry contact output
Programming Method	Electrically addressed, one address within 1~242.
Action Indicator	Red (Flashes in polling and illuminates in action)
Fault Indicator	Yellow (illuminates in fault, turns off when the fault is cleared)
Ingress Protection Rating	IP30
Operating Temperature	−10℃～+50℃
Relative Humidity	≤95%, non condensing
Material and Color of Enclosure	ABS, white (RAL 9016)
Dimension (L×W×H)	120mm×80mm×43mm (with base)
Weight	About 206g (with base)

Limited Warranty

GST warrants that the product will be free of charge for repairing or replacing 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.

Gulf Security Technology Co., Ltd.

No. 80, Changjiang East Road, QETDZ, Qinhuangdao, Hebei, P. R. China 066004

Tel: +86 (0) 335 8502434   Fax: +86 (0) 335 8502532

service.gst@fs.utc.com   www.gst.com.cn