Instruction Manual of JS-951E Input Module

------ Please read this Manual carefully before installing and using the product. -----

I. Overview

The JS-951E input model (JS-951E module for short) is used with a fire alarm control system. It can be connected with various passive, normally open on-off pieces of equipment, such as water flow indicators, pressure switches and other firefighting equipment. After the said equipment starts to operate, the alarm signal output will be sent by the JS-951E module to the fire alarm control system through a signal bus to give a fire alarm.

II. Features and technical parameters

1、 Mode of operation: Nonpolar two-wire system
2、 Quiescent current: ＜0.5mA (power-down mode)
3、 Action current: ＜2mA
4、 Operation indicator: The inspection indicator will blink once about every 12 seconds in the inspection status or remain lit in the Action status.
5、 Operating environment: Temperature: - 10℃ ~ 50℃; relative humidity: ≤ 95% (40℃ ± 2℃, without condensation)
6、 Terminal load: 47K resistance
7、 External dimensions: 86×86×40(mm)
8、 Weight: about 110g
9、 Executive standard: GB16806-2006

III. Instructions for use

1. Jumper and terminal description for the JS-951E module (see Fig.1 and Fig.2 respectively)

Jumper description:

Jumper	Pins 1 and 2 shorted	Pins 2 and 3 shorted
JP1	Normal mode	Power-down mode (factory default)
JP2	External terminal load	Built-in terminal load (factory default)

Terminal description:

Terminal No.	Function	Description	Terminal No.	Function	Description
9	L1	Access terminal for the bus signal of the fire alarm control system	3	TO-	Load access terminal (negative)
10	L2	Access terminal for the bus signal of the fire alarm control system	4	TO+	Load access terminal (positive)

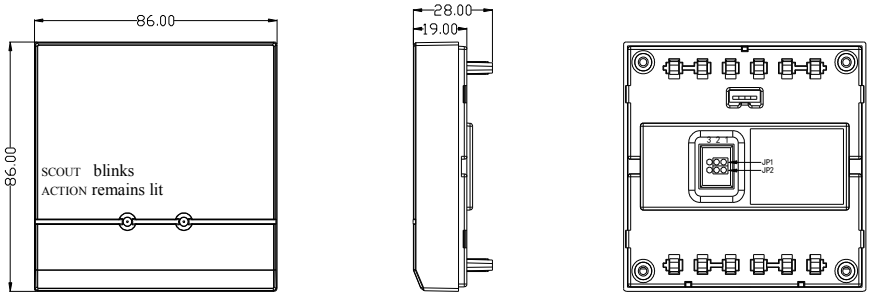


Fig.1 Main Body of the JS-951E Module

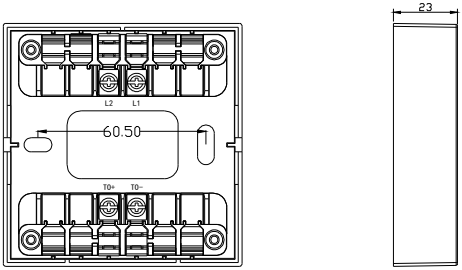


Fig.2 Base of the JS-951E Module

2. Wiring method of JS-951E module:
   1) When a built-in terminal load is used, the wiring method is shown in Fig.3.
   2) When an external terminal load is used, the wiring method is shown in Fig.4. It is necessary in this case to have the load access terminal connected in parallel with a 47K terminal load. The JS-951E module is able to identify the open circuit fault of the load circuit.

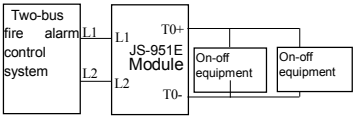


Fig.3

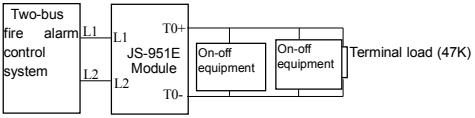


Fig.4

IV. Installation and debugging

1. Make sure the type of the module matches the type given on the construction drawings.
2. Connect the 4-pin coding plug on the coder with the 4-pin coding socket (see Fig.1) on the main body of the JS-951E module and then set the coder with the coding function, compile the correct address code and press the RUN key to finish the address coding.
3. Conduct correct wiring as instructed in Fig.3 or Fig.4.
4. Use two M4 screws to fix the module base via the two elliptic screw holes shown in Fig.2 and then insert the main body of the JS-951E module into the module base and make sure they contact each other properly. After the JS-951E module is installed and checked, connect the power supply of the fire alarm control system . Upon successful login, the inspection indicator of the JS-951E module will blink once about every 12 seconds, which suggests that the JS-951E module has begun to operate.
5. Conduct debugging after the installation is completed. Connecting the equipment to the JS-951E module results in an operation signal or simulates the operation signal of the said equipment. After that, the JS-951E module can send the operation signal to the fire alarm control panel and have its indicator lit, which suggests that the JS-951E module has begun to operate.
6. After debugging, reset the JS-951E module and related equipment.

V. Precautions

1. The load access terminal of the JS-951E module can be connected to the on-off contact signal equipment only (such as water flow indicators, pressure switches and some other fire fighting equipment).
2. Do not make the load access terminal of the JS-951E module connected to a 24V power supply, or else the JS-951E module may be damaged.
3. Do not allow two or more products in a single circuit share the same address, or else the system will report a coincident code fault.
4. Confirm the type of the external equipment connected with the JS-951E module (feedback equipment or fire alarm equipment) and have the corresponding equipment type of the JS-951E module set in the fire alarm control system. After automatic login, the JS-951E module will treat the external equipment as fire alarm equipment by default.

SHENZHEN FANHAI SANJIANG ELECTRONICS CO., LTD.

Address：3F, Guangcai New World Building, Nanshan Road, Nanshan District, Shenzhen, 518054, P.R.China

Tel： +86(755)86226969 Fax:：+86(755)86223939 Http://www.fhsjdz.com