Instruction Manual of JK-952E Input Module

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

I. Overview

The JK-952E input module (JK-952E module for short) is used with a two-bus fire alarm control system. It can be connected with a JTY-GD-930KE photoelectric smoke detector, a JTW-ZD-920KE heat fire detector, a J-SAP-M-960KE manual fire alarm button, a J-SAP-M-961KE hydrant button and some other equipment. After the said equipment starts to operate, the alarm signal output will be sent by the JK-952E 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 (bus); ＜15mA (power line)
3. Action current: ＜2mA (bus); ＜35mA (power line)
4. Operation indicator: The inspection indicator will blink once about every 12 seconds in the inspection status or remain lit in the operation status.
5. Operating environment: Temperature: - 10℃ ~ 50℃; relative humidity: ≤ 95% (40℃ ± 2℃, without condensation)
6. Terminal load: 4.7K resistance
7. External dimensions: 86×86×40(mm)
8. Weight: about 119g
9. Executive standard: GB16806-2006

III. Instructions for use

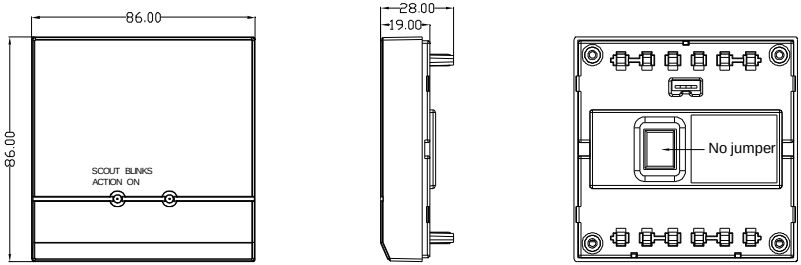


Fig.1 Main Body of the JK-952E Module

1. Terminal description for the JK-952E module (see Fig.2)

Terminal description:

Terminal No.	Function	Description	Terminal No.	Function	Description
1	+24V	DC24V access terminal (positive)	4	TO+	Load access terminal (positive)
2	GND	DC24V access terminal (negative)	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

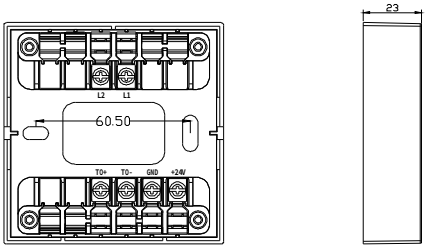


Fig.2 Base of the JK-952E Module

2. Wiring method of the JK-952E module

1) Connection with a detector (see Fig.3)

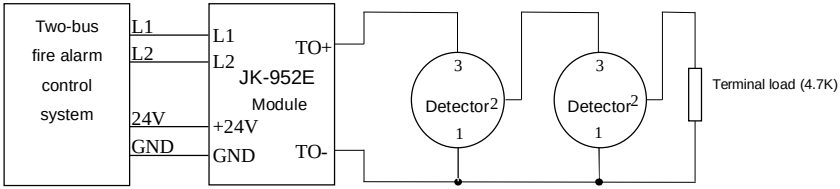


Fig.3

2) Connection with a manual alarm button (or a hydrant button) (see Fig.4)

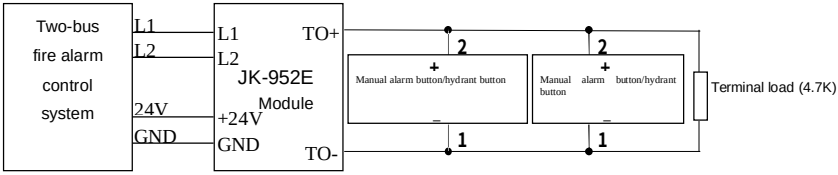


Fig.4

Note: The 24V power supply may be a DC24V provided on site; when in use, the JK-952E module must be connected to a 4.7K terminal load.

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 JK-952E module, and then set the coder with the coding function and compile the correct address code 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, then insert the main body of the JK-952E module into the module base and make sure they contact each other properly.
5. After the JK-952E module is installed and checked, connect the power supply of the fire alarm control system. Upon successful login, the inspection indicator of the JK-952E module will blink once about every 12 seconds, which suggests that the JK-952E module has begun to operate.
6. Conduct debugging after the installation is completed. Connecting the equipment to the JK-952E module results in an operation signal or simulates the operation signal of the said equipment. After that, the JK-952E module can send the operation signal to the fire alarm control system and have its indicator lit, which suggests that the JK-952E module has begun to operate.
7. After debugging, reset the JK-952E module and related equipment.

V. Precautions

1. When connecting the JK-952E module with a detector, a manual alarm button or a hydrant button, do not connect the positive and negative poles inversely.
2. At most, 50 detectors can be connected in parallel with a JK-952 module and up to 10 detectors can give an alarm at the same time. If all the detectors give an alarm at the same time, those with deficient indicator luminance will fail to display the alarm status correctly.
3. Do not make two or more products in a single circuit share the same address or the system will report a coincident code fault.
4. Confirm the type of the external equipment connected to the JK-952E module (feedback equipment or fire alarm equipment) and have the corresponding equipment type of the JK-952E module set in the fire alarm control panel. After automatic login, the JK-952E module will treat the external equipment as fire alarm equipment by default.