Instruction Manual of KZ-953E Output Module

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

I. Overview

The KZ-953E output module (KZ-953E module for short) is used with a fire alarm control system. It is mainly used for the output control of fire linkage equipment (such as alarm bells).

II. Features and technical parameters

1. Mode of operation: Nonpolar two-wire system
2. Quiescent current: ＜0.6mA (power-down mode)
3. Action current: ＜10mA
4. Capacity of the output contact: 2A@DC30V
5. Operation indicator: The inspection indicator will blink once about every 12 seconds in the inspection status or remain lit in the operation status.
6. Operating environment: Temperature: - 10℃ ~ 50℃; relative humidity: ≤ 95% (40℃ ± 2℃, without condensation)
7. Terminal load: 47K resistance
8. External dimensions: 86×86×40(mm)
9. Weight: about 125g
10. Executive standard: GB16806-2006

III. Instructions for use

1. Jumper and terminal description for the KZ-953E module

Jumper description (see Fig.1)

Jumper	Pins 1 and 2 shorted	Pins 2 and 3 shorted
JP1 and JP2	External terminal load	Built-in terminal load (factory default)
JP3	Normal mode	Power-down mode (factory default)

Terminal description (see Fig.2)

Terminal No.	Function	Mode of the built-in terminal load (factory default)	Mode of the external terminal load
1	+24V	-------- (strictly prohibited)	DC24V access terminal (positive)
2	GND	Normally open contact (closed after Action)	DC24V access terminal (negative)
3	T00	Public contact	Load access terminal (negative)
4	T01	-------- (strictly prohibited)	Load access terminal (positive)
5	T02	Normally closed contact (open after Action)	-------- (strictly prohibited)
9	L1	Access terminal for the bus signals of fire alarm control system	
10	L2	Access terminal for the bus signals of fire alarm control system	

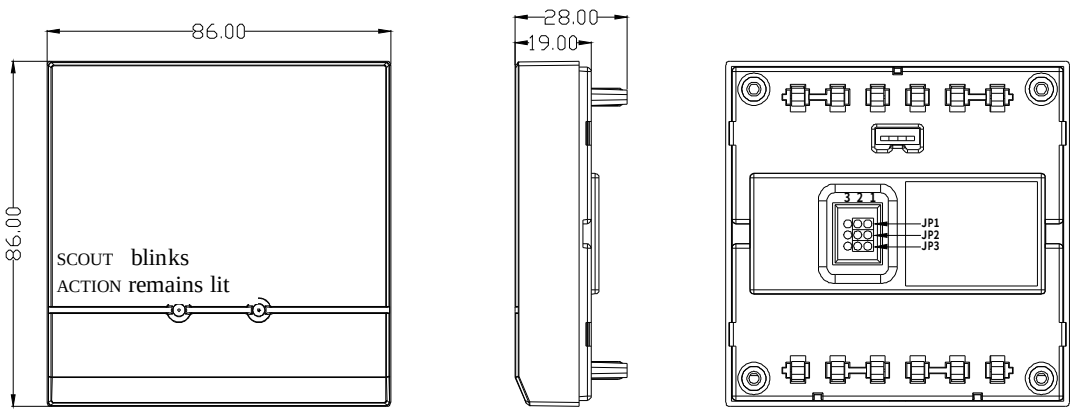


Fig.1 Main Body of the KZ-953E Module

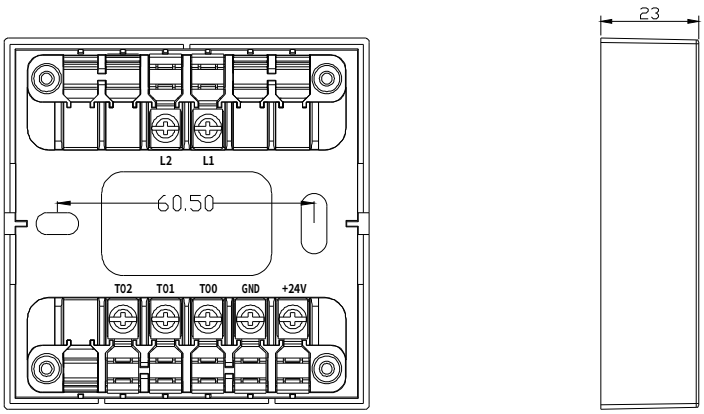


Fig.2 Base of the KZ-953E Module

2. Wiring method of the KZ-953E module
   1) When a built-in terminal load is used, the wiring method is shown in Fig.3. A dry contact signal (namely a relay contact signal) is output after Action.
   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 circuit connected in parallel with a 47K terminal load. The KZ-953E module is able to identify the short or open circuit fault of the load circuit.

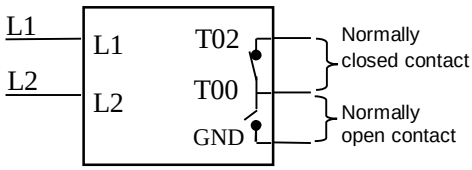


Fig.3

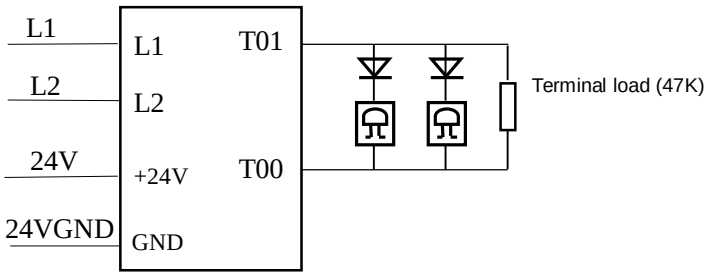


Fig.4

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 KZ-953E 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, and then insert the main body of the KZ-953E module into the module base and make sure they contact each other properly.
5. After the KZ-953E module is installed and checked, connect the power supply of the controller. Upon successful login, the inspection indicator of the KZ-953E module will blink once about every 12 seconds, which suggests that the KZ-953E module has begun to operate.
6. Conduct debugging after the installation is completed. Make the fire alarm control system send a starting signal to the fire linkage equipment connected through the KZ-953E module. If the said fire linkage equipment operates correspondingly and the indicator of the KZ-953E module is lit after that, it suggests that the KZ-953E module is operating normally.
7. After debugging, reset the KZ-953E module and related equipment.

V. Precautions

1. When an external terminal load is used, do not connect the positive and negative poles of the external 24V power supply inversely or the KZ-953E module may be damaged.
2. Do not allow two or more products in a single to circuit share the same address, or the system will report a coincident code fault.

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