



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

# KZJ-A76E IO Module

## 1 Product overview

- 1.1** KZJ-A76E IO module (after this referred to as KZJ-A76E module) is used with the fire linkage control panel, adopts non-polarity two-bus power supply design, and can provide DC24V power output. It is mainly used for the output control of the broadcast signal in the bus-based fire broadcasting system (broadcast module function). After the module executes the start command, its indicator light will lit, and the switching status information is transmitted back to the controller, and the controller shows whether the switching is successful. If the switch succeeds, the input indicator of the KZJ-A76E module will steadily light up. KZJ-A76E module can also realize passive switching signal input detection and output control through electronic code switching (input/output module function), the input indicator light will lit after the module input action; After the output control is started successfully, the inspection indicator will steady on.

## 2 Technical parameters

Items	Parameters
Executive standard	GB 16806-2006
Operating mode	Non-polarity two-wire system
Operation current	Quiescent current: < 1mA; Action current: < 20mA
External power supply	Current: <50mA; Voltage: DC24V (Note: The actual voltage is affected by the bus voltage drop)
Output mode	Relay passive output
Capacity of the output control contact	1A@250VAC Maximum broadcast load:300W
End of line resistor	47kΩ
Weight	About 158g(With base)
External dimensions	86*86*46(mm)(With base)
Operating environment	Temperature: 0°C~+40°C relative humidity≤95%(40 °C±2°C, without condensation)
Encoding mode	Through the encoder can be field coding, address coding 1 ~ 324 optional;
Operation indicator:	The inspection indicator will blink once about every 12 seconds in the inspection status or remain lit in the output status; the input indicator will remain lit in the feedback status.

## 3 Appearance and dimensions

- 3.1** Unit: mm

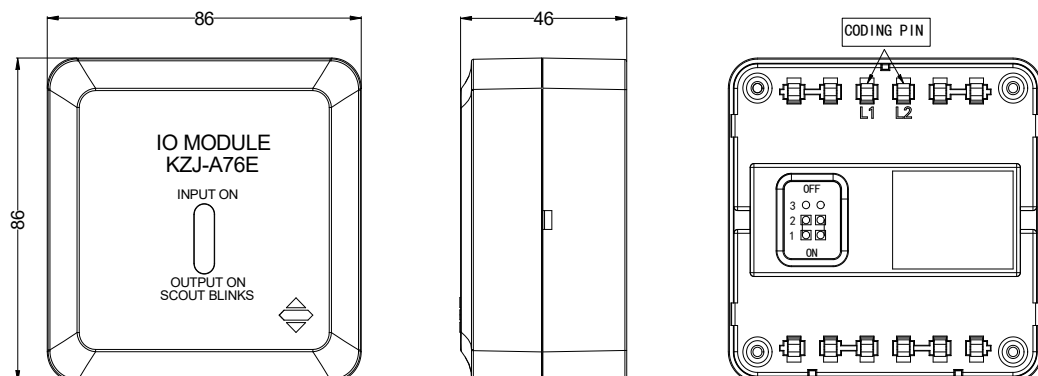
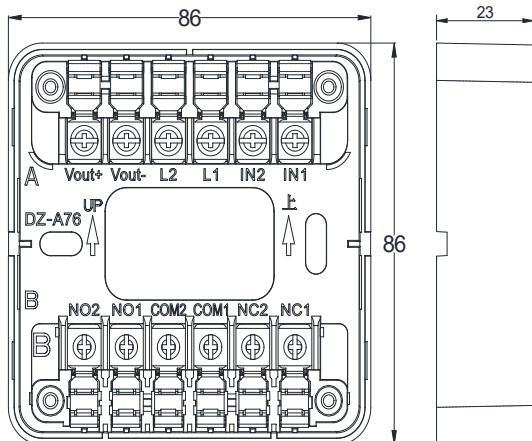


Figure 1 KZJ-A76E Main Body



## 4 Instruction For Use

### 4.1 Installation base (DZ-A76) schematic diagram(as the figure2)



DZ-A76 Terminal Definition

Vout+,Vout-	External power supply (DC24V) output port
L1, L2	Loop connection, non-polarized
IN1, IN2	Passive feedback input port (non-polar wiring broadcast mode is invalid)
NO1, NO2	Relay normally open contact input port
COM1, COM2	Relay common output port
NC1, NC2	Relay normally closed contact input port

Figure 2 KZJ-A76E module base(DZ-A76)

### 4.2 Coding Specification:

- Module address coding: Clamp the output end of the encoder to the rear cover L1 and L2 pins (regardless of polarity) as shown in Figure 1, set the encoder to the coding function, enter the correct address number and press the "Run/stop" key to complete the address code setting; (Note: The encoder will emit a "drop" sound after the coding is completed, please refer to the encoder user manual for detailed operation)
- Module working mode setting: The working mode of the module can be set through the encoder according to different application scenarios. When setting the working mode, the upper alligator clip of the encoder should be connected to the L1 and L2 pins of the rear cover. Select the "Module setting" function under the "Encoder" module, enter the corresponding working mode code in the following table, and press the "Write" key to set the working mode.

Mode setting	Mode specification	Mode code	Applied load resistance
Mode 1 broadcast module	Broadcast module standard mode	01	Output end: 47k $\Omega$ ; Input invalid
Mode 2-broadcast module	Broadcast module (production mode)	02(factory default)	none
Mode 3-input and output module	Normally open input line standard mode	11	Input: 47k $\Omega$ Output: 47k $\Omega$
Mode 4-input and output module	Normally closed input line standard mode	12	Input: 47k $\Omega$ Output: 47k $\Omega$
Mode 5-input and output module	Normally open input line (production mode)	13	none
Mode 6-input and output module	Normally closed input line (production mode)	14	Input: 47k $\Omega$ Output: 47k $\Omega$

**Note:** When the broadcast module and I/O module switch modes, the product type will change and the device needs to be registered on the controller again.

### 4.3

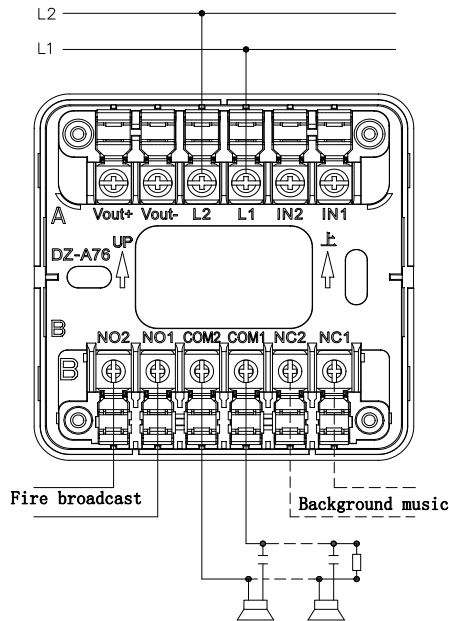
**Wiring Method:**

Figure 3 Broadcast function wiring diagram

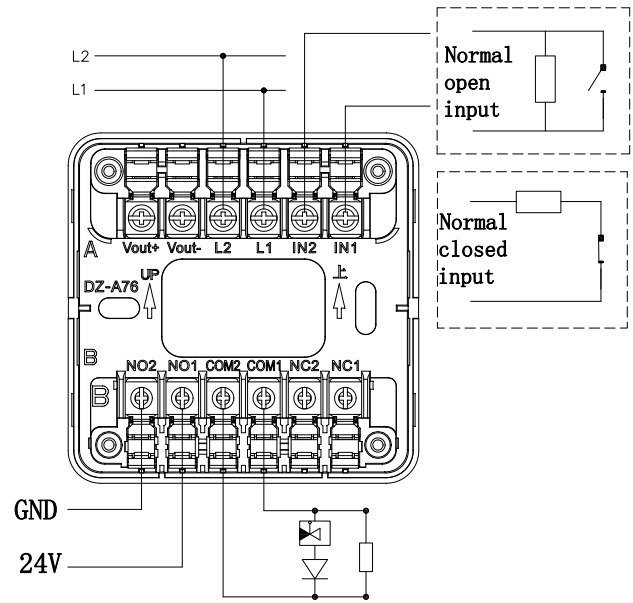


Figure 4I/O module function wiring diagram

**5 Installation and Debugging (Warning: the module must not be installed in the power distribution (control)cabinet(box))**

- 5.1** Make sure the KZJ-A76E module matches the type given on the construction drawings, complete address coding and working mode settings;
- 5.2** Fix the base of the module, connect the base correctly according to the figure, and insert the main body of the module into the base to ensure good contact;
- 5.3** After the installation is completed and all information is confirmed, power on the control panel. After the automatic login is successful, the module inspection indicator blinks every 12 seconds;
- 5.4** After the installation is completed, debug the KZJ-A76E module, let the control panel send a start signal, the KZJ-A76E module should be able to make corresponding actions, and light the indicator, indicating that the KZJ-A76E module is working normally; After the debugging, reset the KZJ-A76E module through the fire linkage control panel.

**6 Precautions**

- 6.1** When the broadcast sound source is superimposed with DC level, and the fire broadcast speaker has no built-in straight divider capacitor, the fire broadcast speaker should be connected to the common terminal of the module through a 1uF/400V non-polarity capacitor.
- 6.2** When using the DC24V output power supply of the KZJ-A76E module (the controller is turned off during reset), pay attention to measuring the actual working voltage. Avoid voltage reduction due to bus voltage fluctuation or actual wiring voltage drop, so that the equipment works abnormally.
- 6.3** When KZJ-A76E reports a device fault, the module can't start output normally. You need to check whether the bus voltage or wiring method is normal.

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