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

JS-A51E Input Module

1 Product overview

1.1 JS-A51E Input module(after this referred to as JS-A51E module) is used with the fire linkage control panel, and it can be connected to a variety of passive normally open switching equipment, such as water flow indicator, pressure switch, etc. After the operation of these devices, the output action signal is transmitted by the JS-A51E module to the fire linkage controller through the signal bus, generating the alarm.

2 Technical parameters

2.1

Items	parameter
Executive standard	GB 16806-2006
Operating mode	None-polarity two-bus system
Operating voltage	Loop 24V
Static current	＜0.5mA
Activated current	＜2mA
Weight	About 80g(with base)
Product dimension	86×86×35(mm)(with base)
End-of-line resistor	47KΩ resistor
Operating environment	Temperature:-10°C~ 55°C; relative humidity: 95% (40°C ± 2°C, no condensation)
Coding mode	Through the encoder can be field coding, address coding 1 ~ 324 optional
Operation indicator	The inspection indicator will blink once every 12 seconds in the inspection status, an the action status indicator is steady.

3 Appearance and dimensions

3.1

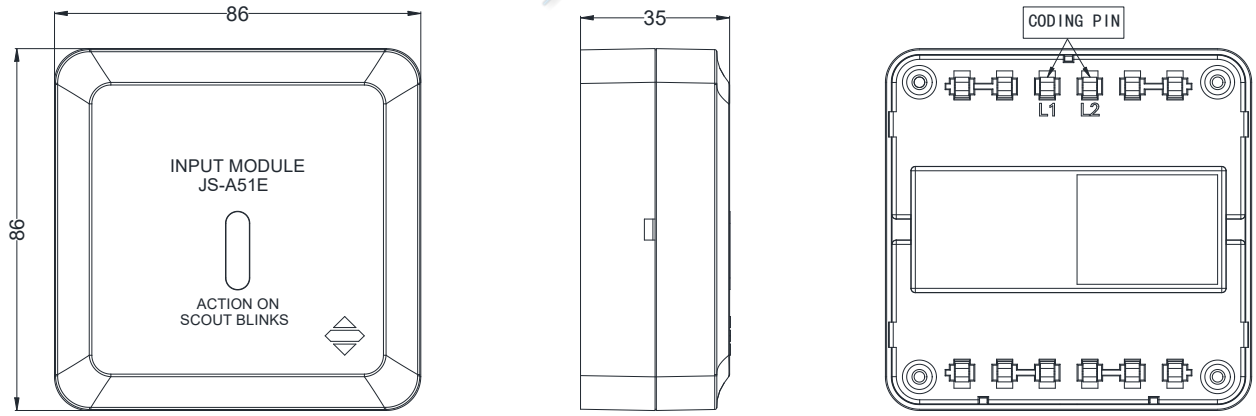
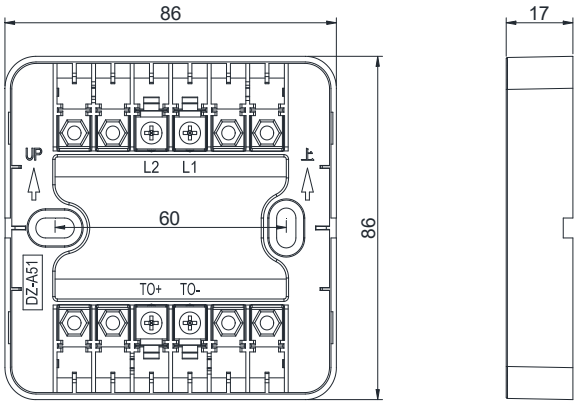


Figure.1JS-A51E Main body（Unit: mm）

4 Use and engineering application

4.1 Installation base (DZ-A51) schematic diagram



DZ-A51 Terminal description

L1、L2	Loop concentration(none-polarity connection)
TO+、TO-	Passive input terminal (none-polarity connection)

Figure 2JS-A51E Base（DZ-A51）

4.2 Coding connection 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, adjust the encoder to the coding function, enter the correct address number and press the "Run" key to complete the address coding; (Note: The encoder will emit a "drop" sound after the coding is completed, please refer to the encoder 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, (regardless of polarity). Then, switch the encoder to the module function mode setting, enter the corresponding working mode code in the following table, and press the "Run" key to set the mode.

Input mode	Mode code	Applied load resistor
Normally open input -- Standard mode	01	Add a 47kΩ resistor to the input
Normally closed input---Standard mode	02	Add a 47kΩ resistor to the input
Normally open input (product testing mode)	03(factory default)	None
Normally closed input (product testing mode)	04	Add a 47kΩ resistor to the input

4.3 Wiring mode: The input terminal is set to "normally open check line," and the end of the module input line (away from the module end) must be connected with a 47kΩ end-of-line resistor. If the input is set to a "normally closed detection line," the end of the module input line (away from the module end) must be connected to a 47kΩ end-of-line resistor.

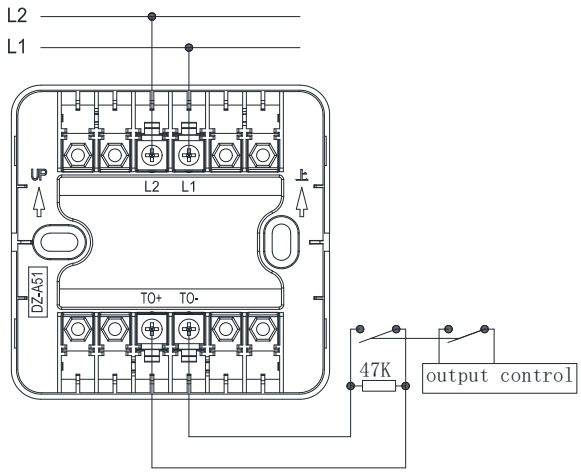


Figure 3 Normally open line wiring diagram

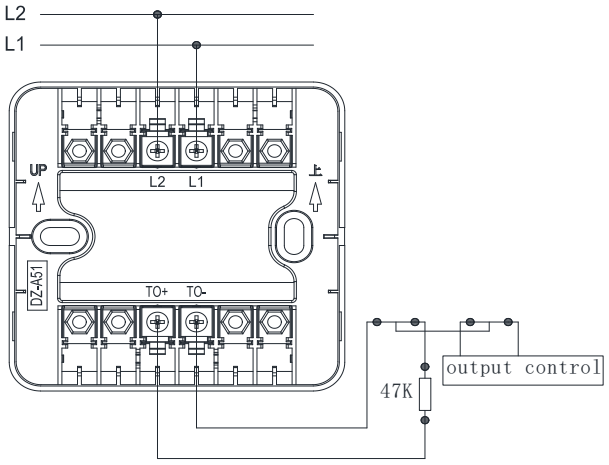


Figure 4 Normally closed line wiring diagram

5 Installation and debugging

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 Figure 3, and insert the main body of the module into the base to ensure good contact;

5.3 After the installation is complete and all information is confirmed, power on the controller. After the automatic login is successful, the module inspection indicator blinks every 12 seconds;

5.4 After the installation, debug the device connected to the module to generate action signals or simulate the action signals of the device; the module can transmit the action signals to the fire linkage control panel and light its indicator, it means the module operates normally;

5.5 After the debugging, reset the module and other related devices through the fire linkage control panel.

6 Precaution ⚠

6.1 The load access terminal of the JS-A51E module can only access the switching contact signal equipment, such as the water flow indicator, pressure switch, etc. Non-switching devices cannot be connected, such as JTY-GD-A30KE, JTW-ZD-A20KE, J-SAP-M-A62KE, J-SAP-M-A63KE, etc.

6.2 The load access terminal of the JS-A51E module cannot be connected to a 24V power supply. Otherwise the module will be damaged.

6.3 Accessing two or more products with the same address in the same loop is not allowed. Otherwise the system will report a double code fault.

6.4 Please confirm whether the external device connected to the module belongs to the feedback type or the fire alarm type and set the corresponding setting to the device type of the module in the controller.

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