1. Overview

The AW-D119 I/O module is used with AW-FP100 series addressable fire alarm control panel. It is mainly used to realize an output control for fire linkage equipment (such as fire alarm bell and strobe horn) and receive the fire signal for the detector which connecting to this module through the input port. And it can receive the feedback signals of the fire linkage equipment so that a judgment on whether or not the fire linkage equipment is operating normally can be done.

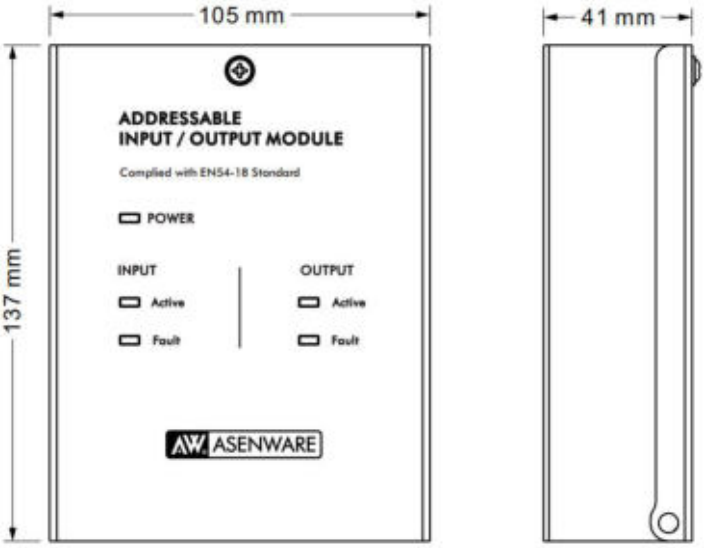
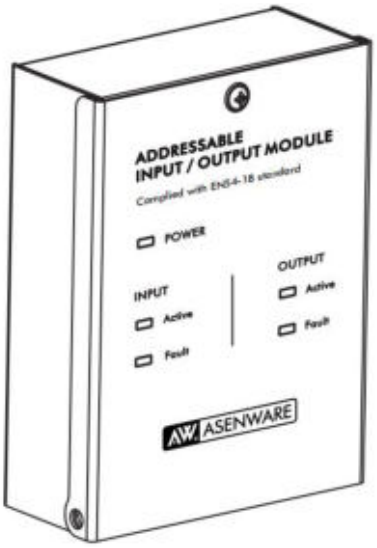


Figure 1. Dimensions

2. Product characteristics

2.1 Surface mounting
2.2 Working status indicators
2.3 Full electronic coding
2.4 Selectable input and output modes
2.5 Compatible with the latest EN54-18 standard



3. Technical parameters

3.1 Operating voltage: Loop 24V
3.2 Operating current: standby mode≤ 15 mA, active status≤ 40mA(No load)
3.3 Operating temperature: -10℃ ~ 50℃，Relative humidity:≤95%(non-condensing)
3.4 Auxiliary resettable output: 24VDC with 200mA limiting protection
3.5 Capacity of the output control contact: 200mA@30VDC
3.6 Output port of voltage Output : 200mA@24VDC
3.7 Protection class: IP30
3.8 Application: For indoor use only
3.9 Materials and colors: SPCC, Red
3.10 Size: 137mm*105mm*41mm
3.11 Weight: about 440g

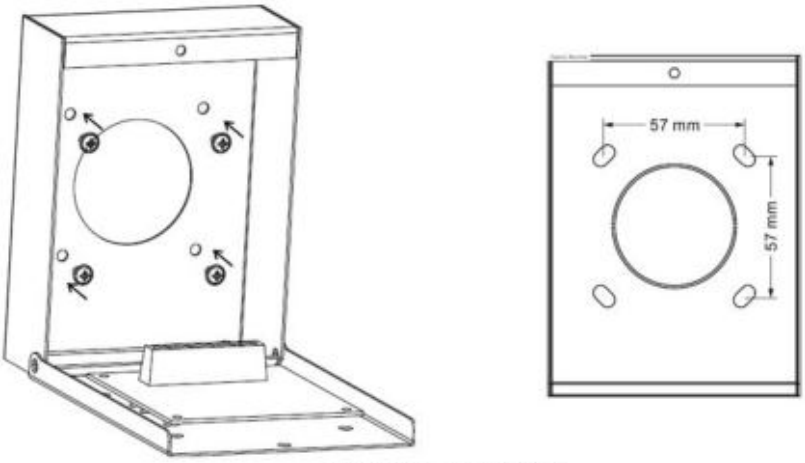


Figure 2. Mounting

4. Mounting

AW-D119 I/O module should comply with all local codes.

The dimensions of 137mm*105mm*41mm(Length*Width*Height), shown in Figure 1.Shown in Figure 2, Fix the shell to the wall with screws.The mounting holes diameter φ4.5mm, fixing the holes spacing is 57mm.

5. Operation

Mode selection: The input and output modes are independent of each other. Different modes can be selected through the pin header. The mode selection is shown in the following table and figure 3.。

Output Slect				Input Slect		
		JP1(ON)	JP2(ON)			JP3(ON)
Relay Output	NO	(2, 3)	(2, 3)	Volt Free Input	NO	(4, 5)
	NC	(3, 4)	(2, 3)		NC	(2, 3)
Voltage Output		(1, 2)、(4, 5)	(1, 2)、(4, 5)	Conventional Detector		(3, 4)

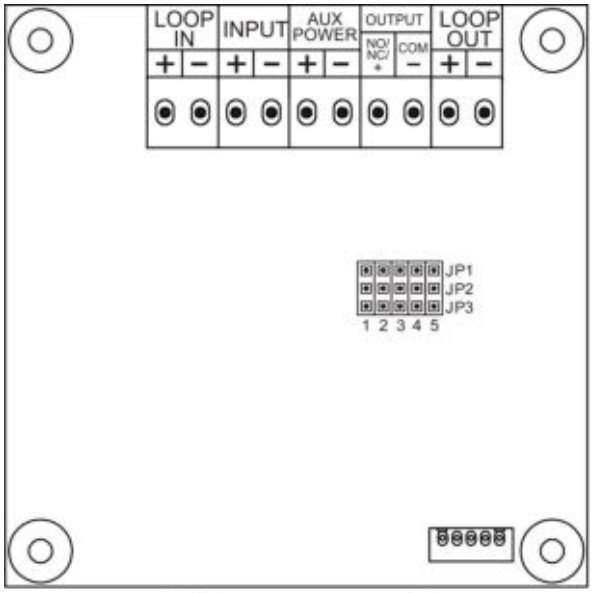


Figure 3.

Coding: Use the programmer to write the correct address from 1 to 250.

Terminals and wiring: The Loop in terminal is connected to the Loop out terminal of the host panel. The Input terminal is connected to the relay switch in the non-voltage input mode (normally open NO, normally closed NC). Connect to a regular detector in the regular detector mode. The Aux Power terminal provides 24V alternating current. The Output terminal selects different ways to connect the output device according to different modes. The Loop out terminal is connected to the Loop in of the next device in the loop.

According to different modes, the connection modes of the Input port and the Output port are different, as shown in Figure 4.

Indicator light:The position and sequence of the indicator light are shown in Figure 1. The indicator lights are as follows:

Power: After the power is turned on, the green Power indicator flashes once every 5 seconds.

Active: After the input and output ports are activated, the corresponding red Active indicator will always be on.

Fault: When a certain fault occurs in the input and output ports, the yellow Fault indicator corresponding to the port will be on and will go out after the fault is repaired.

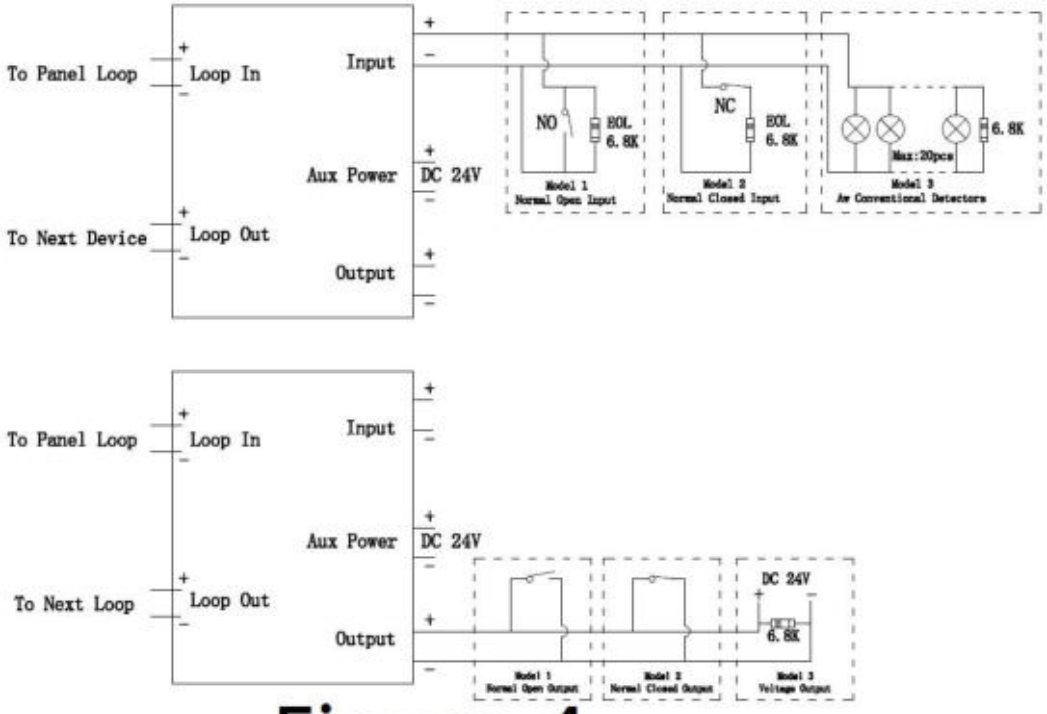


Figure 4.