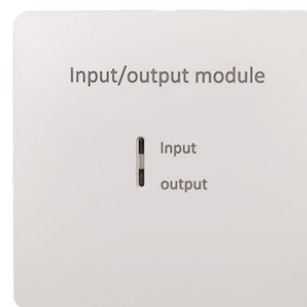# Addressable I/O Control Module for Fire Fighting Addressable Smoke Alarm System

Basic Information

- Place of Origin: China
- Brand Name: XHA
- Certification: CE
- Model Number: CA9008
- Minimum Order Quantity: 1PCS
- Price: negotiable
- Packaging Details: 100pcs/carton
- Delivery Time: 3 Working days
- Payment Terms: T/T, Western Union
- Supply Ability: 100000PCS/Month

Product Specification

- Detection Method: Photoelectric Smoke Detection
- Types Of Smoke Detectors: Addressable I/O Module
- Installation: Wall Mounting
- Work Voltage: DC17V DC33V
- Wire Type: Non-Polarity 2-Wired
- Alarm Output: Relay Output
- Connected: Loop Bus
- Customization: Available | Customized Request
- Highlight: **dc17v addressable smoke alarm**, **dc33v addressable smoke alarm**, **dc17v addressable smoke detector**

Fire Alarm Control Panel

Introduction

An input/output module is also known as a combination module,it is a device used in addressable fire alarm systems that combines the functions of both an input module and an output module. The key features and capabilities of an input/output module include:

Input Monitoring:
The input/output module can monitor the status of various input devices, such as:
Sprinkler flow switches
Tamper switches
Elevator recall inputs
HVAC system status signals
Other auxiliary sensors and detectors
It reports any changes in the status of these connected inputs to the fire alarm control panel.

Output Control:
In addition to input monitoring, the input/output module can also control and activate various output devices, such as:
Audible alarms (horns, bells, speakers)
Visual alarms (strobe lights)
Relay-controlled devices (elevators, HVAC systems, door hold-open devices)
The module can turn these outputs on and off as required by the fire alarm system.

Addressability:
Like other addressable devices, the input/output module has a unique digital address recognized by the fire alarm control panel.
This enables the control panel to precisely identify the location and status of the connected inputs and outputs.
Supervised Monitoring:
The input/output module monitors both its input and output connections for proper operation and fault conditions, such as open circuits or short circuits.
This supervisory monitoring helps ensure the reliability and integrity of the fire alarm system's input and output devices.
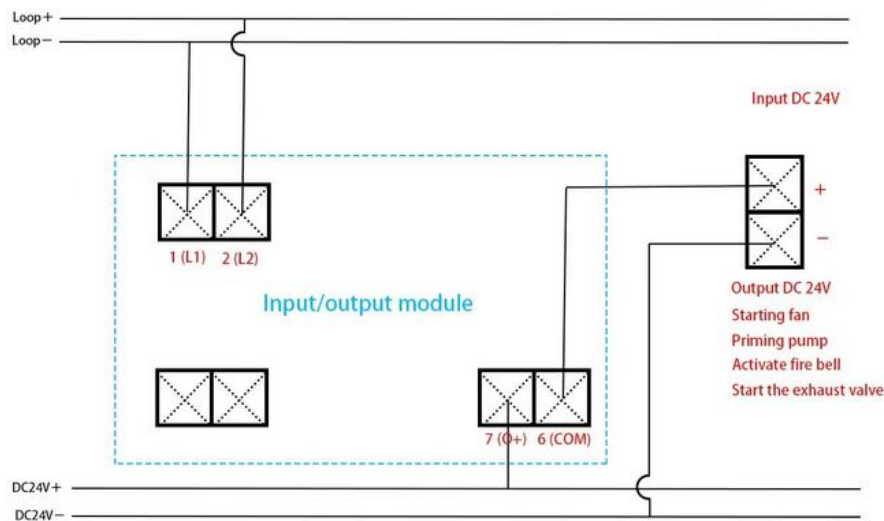
Integration with Other Systems:

The input/output module can be used to interface the fire alarm system with other building systems, such as HVAC controls, elevator recall, and access control systems.

This integration enables a coordinated emergency response and helps ensure the safety of building occupants. The use of input/output modules, or combination modules, provides the benefits of both input monitoring and output control in a single addressable device. This can simplify system design, reduce installation complexity, and improve overall system integration and functionality.
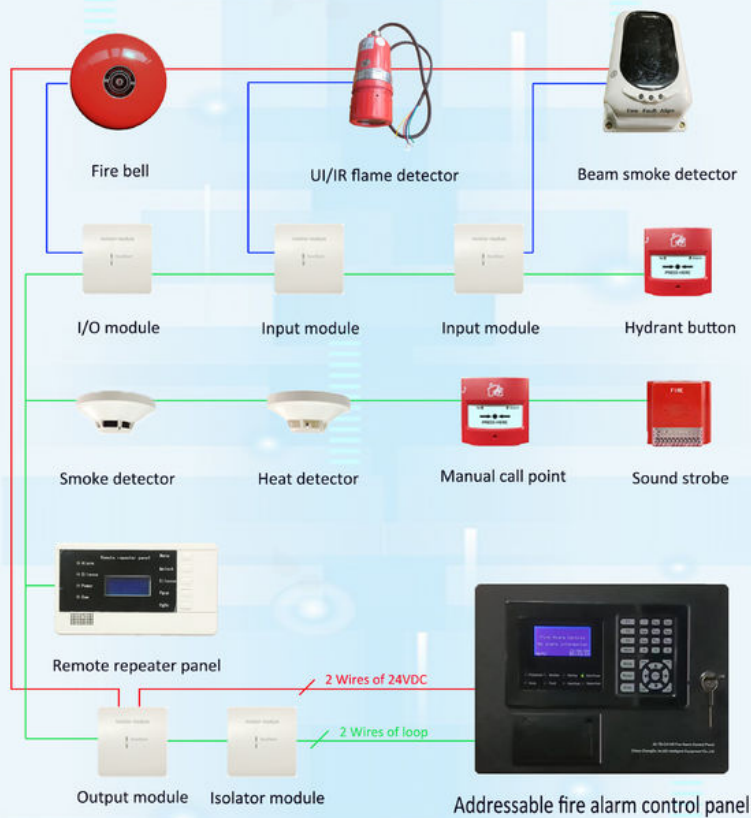
Parameters

Product name	Input&Output Module	Type	Addressable
Loop Bus wired	2-wire Non-polarized	Monitor Current	≤350uA
Alarm Currrent	≤2mA	Dimension	Φ85*40 mm
Work voltage	DC17V DC33V	Operating Environment	Temperature -10°C~+50°C Humidity ≤95%.
Weight	Weight:60g(with base)	Contact Capacity	DC24V/2A,Normal Open

Connection between Input Module

Connection Diagram of Fire Alarm System

Connection Diagram Of Fire Alarm System

Fire bell • UI/IR flame detector • Beam smoke detector

I/O module • Input module • Input module • Hydrant button

Smoke detector • Heat detector • Manual call point • Sound strobe

Remote repeater panel • 2 Wires of 24VDC • 2 Wires of loop

Output module • Isolator module • Addressable fire alarm control panel

Product range

Conventional Fire Alarm System
Addressable fire alarm system
Gas Extinguishing control system
Beam Detector
4 wire smoke detectors with relay output.
2 wire Conventional smoke and heat detectors
Explosion-proof flame detector for fire alarm system
Standalone smoke detectors and combustable gas detector

Service

1. OEM &ODM service.
2. Provide technical support and after-sale service.
3. 1 year warranty.
4. Normally 15 working days lead time.
5. Welcome sample order.