alhua TECHNOLOGY

DHI-HY-1410C

Addressable Input / Output Module

- Convenient wiring: two-wire, polarity-free
- Reliable communication: built-in microprocessor, stable performance
- Ultra-low power consumption: ultra-low monitoring current and alarm current
- Simple installation: with a plug-in structure, easy to install and construct

System Overview

DHI-HY-1410C Addressable Input / Output Module is a mated product of the Addressable Fire Alarm Control Panel, regulating the normal operation of external fire protection device. It can realize an output control for fire linkage equipment and receive the feedback signals of the fire linkage equipment to monitor the normal operation of the fire linkage equipment. It can be connected with fire dampers, smoke exhaust vents, air supply vents, 24V shunt auxiliary release and other fire-fighting equipment that can be activated by pulse control.

Functions

Input detection
Monitor status of passive, normally open on-off pieces of equipment, i.e., fire damper, flow indicator, pressure switch, and signal valves.

Fast response
When there is a fire alarm, the signal is sent to the control panel within 1 second.

Output control
Active output port, 24V/2A/25ms pulse output.

Input check mode
Input check mode is available. Enable Input Check Mode by default.

Output check mode
Output check mode is available. Enable Output Check Mode by default.

Scene

It is suitable for places with automatic fire alarm systems, fire emergency broadcasting systems, and background music systems, such as shopping malls, hotels, schools, factories and other civil or industrial buildings.

Technical Specification

Electrical

Working Voltage	24V DC
Current	Monitoring current: ≤ 150µA Operating current: ≤ 250µA
Capacity of the Output Contact	24V/2A/25ms
Indicator	•Input indicator: Red LED flashes once every 6 seconds, and flashes once every 2 seconds when malfunctioned, remains lit after receiving feedback •Output indicator: Red LED is constantly off when works normally, and flashes once every 2 seconds when malfunctioned, remains lit after receiving start signal

Communication

Wiring	Two-wire, polarity-free
Addressing Method	Electrical encoder
Address Range	1–254
Communication Distance	≤ 1500 m

Environment

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Operating Temperature	−10°C to +55°C (+14°F to +131°F)
Storage Temperature	−20°C to +65°C (−4°F to +149°F)
Operating Humidity	≤ 95% RH (no condensation)

Construction

Color	White
Dimensions (with base)	Φ 90 mm × 90 mm × 37 mm (Φ 3.54" × 3.54" × 1.46")
Weight (with base)	127 g (0.28 lb)
Certifications	GB16806-2005

Installation
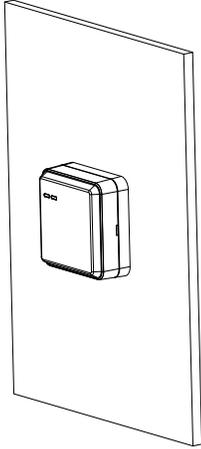
Dimensions (mm/inch)

90.0[3.54]

90.0[3.54]

37.0[1.46]
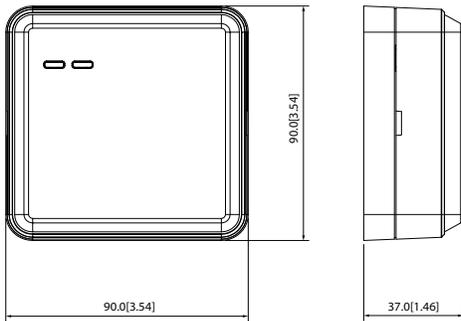
Ordering Information

Type	Part Number	Description
Addressable Input / Output Module	DHI-HY-1410C	Addressable Input / Output Module
Accessories	DHI-HY-MKDZ2	Input / Output Module Base