

DHI-HY-1410

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-1410 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 passivity-based control device such as elevator, fire shutter door.

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

Passive output port, DC30V/1A 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: $\leq 150\mu\text{A}$ Operating current: $\leq 9\text{mA}$ |
| Indicator | <ul style="list-style-type: none"> •Input indicator: Red LED flashes once every 6 seconds, and flashes once every 2 seconds when malfunctioned •Output indicator: Red LED is constantly off when works normally, and flashes once every 2 seconds when malfunctioned |

Communication

| | |
|------------------------|-------------------------|
| Wiring | Two-wire, polarity-free |
| Addressing Method | Electrical encoder |
| Address Range | 1–254 |
| Communication Distance | $\leq 1500\text{ m}$ |

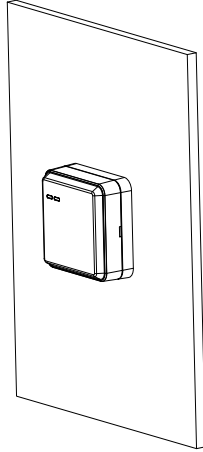
Environment

| | |
|-----------------------|--|
| Operating Temperature | -10°C to $+55^{\circ}\text{C}$ ($+14^{\circ}\text{F}$ to $+131^{\circ}\text{F}$) |
| Storage Temperature | -20°C to $+65^{\circ}\text{C}$ (-4°F to $+149^{\circ}\text{F}$) |
| Operating Humidity | $\leq 95\% \text{ RH}$ (no condensation) |

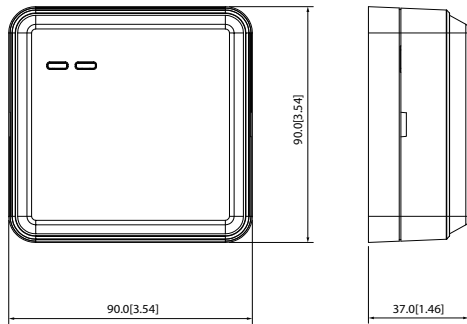
Construction

| | |
|------------------------|---|
| Color | White |
| Dimensions (with base) | 90 mm \times 90 mm \times 37 mm (3.54" \times 3.54" \times 1.46") |
| Weight (with base) | 120 g (0.26 lb) |
| Compliance Standard | EN54-18 |

Installation



Dimensions (mm/inch)



Ordering Information

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