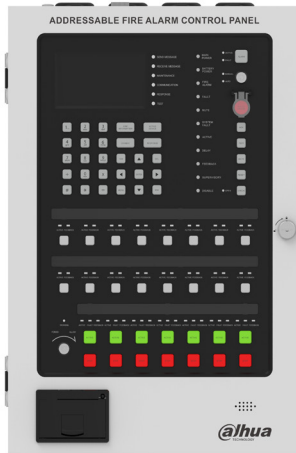


DHI-HY-1022R/DHI-HY-1025R

Addressable fire alarm control panel with optional printer



- Class A Topology: Reduce wiring costs and enhance circuit stability.
- Two-Wire, Polarity-Free Communication: The system uses a two-wire, polarity-free technology, eliminating the need for an external power source. This enhances reliability, simplifies wiring, reduces costs, and facilitates maintenance.
- User-Friendly Display: The 4.3-inch LCD screen (480 × 272) offers an intuitive interface for complete system setup without external tools.
- Extended Event Logging: Historical events are securely saved and can be queried and printed by time and type.
- Intelligent Power Management: Automatic switching between main and backup power ensures a stable supply, enhancing system reliability.
- Comprehensive Protection: Includes short circuit, open circuit, and overcurrent protection for stable operation.

System Overview

The DHI-HY-102XR series addressable control panel features advanced digital addressing technology and supports IoT solutions. It is compatible with the Dahua DSS Pro and Wisualarm Cloud platforms. The panel allows for mixed wired and wireless connections, enabling the use of LoRa wireless detectors via a gateway. Additionally, it supports a hybrid configuration of addressable and non-addressable devices through zoned modules.

Functions

Flexible Solution

Supports flexible selection for IoT solutions, wired/wireless hybrid solution, and addressable/conventional hybrid solution.

Quick and Accurate Fire Alarm

Report events in under 1 second with precise address.

Low Consumption

Ultra-low consumption, low-carbon, and eco-friendly.

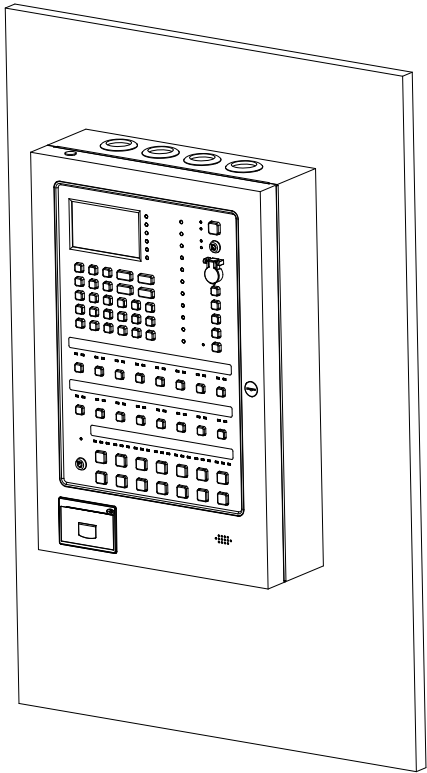
Scene

It is suitable for residential and industrial buildings such as hotels, shopping malls, hospitals, office buildings, schools, banks, libraries, factories, and warehouses.

Technical Specification

Working Voltage	16V DC–28V DC
System Capacity	Max. 254 devices for one loop
Loop Number	DHI-HY-1022R: 1 Loop DHI-HY-1025R: 2 Loops
Main Power	AC90–240V/50Hz, 60Hz
Backup Power	2×12V/5Ah lead-acid battery
Fire Alarm Terminal	NO/NC
Fire Fault Terminal	NO/NC
Communication Distance	Max. 1500m
Max Cascade	128 Panels By RS-485
Cable Specs	2×1.5 mm ²
Display	480 × 272 4.3" LCD screen
Printer (optional)	Micro thermal printer
Dimensions	333.0 mm×115.0 mm×480.0 mm (13.11" × 4.53" × 18.90")
Operating Temperature	–10°C to +40°C (+14°F to +104°F)
Operating Humidity	≤ 95% RH (no condensation)
Protection Grade	IP30
Weight	7 kg 10 kg (with 2 batteries)

Installation



Ordering Information

Model	Part number	Description
DHI-HY-1022R	1.0.01.36.16632	1 Loop Addressable FACP with Printer
DHI-HY-1025R	1.0.01.36.16633	2 Loops Addressable FACP with Printer
DHI-HY-1022R	1.0.01.36.16634	1 Loop Addressable FACP without Printer
DHI-HY-1025R	1.0.01.36.16635	2 Loops Addressable FACP without Printer

Dimensions (mm/inch)

