

DHI-HY-AF640R

Addressable CO Detector



- 4W-B CO detector, integrated dry contact relay
- Optional dry contact signal with selectable NO/NC
- Non-loosening screws on base terminal for easy installation
- Contacts material is highly acid-resistant and rust-resistant
- CE certified

System Overview

The addressable CO detector DHI-HY-AF640R, compatible with Dahua addressable fire alarm control panels, integrates CO detection into the system. This significantly enhances system detection capabilities, enabling adaptation to diverse environmental requirements.

CO detectors are safety devices for continuous monitoring of ambient CO concentrations. Upon detecting leaks exceeding preset thresholds, they trigger alarms and linkage the fire device through fire alarm system—to prevent explosions and protect personnel/property.

Functions

High Sensitivity Detection

Utilizing catalytic combustion sensors for precise gas leak identification.

Selectable Relay Output Types

Jumper-selectable dry contact signal type (NO or NC).

Short Warm-up Time

This CO detector achieves warm-up times below industry averages, enabling faster operational readiness compared to mainstream alternatives.

Two-wire and Polarity-free Design

Two-wire polarity-free design significantly simplifies installation and maintenance operations.

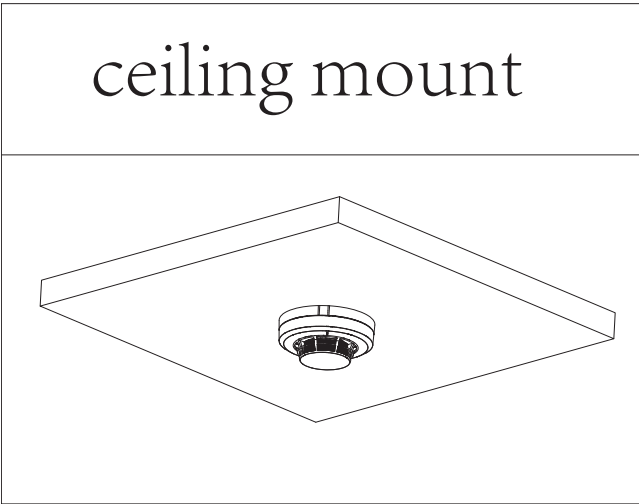
Scene

CO detectors are suitable for broad industrial and commercial applications, providing continuous monitoring of CO leaks to mitigate fire and explosion hazards.

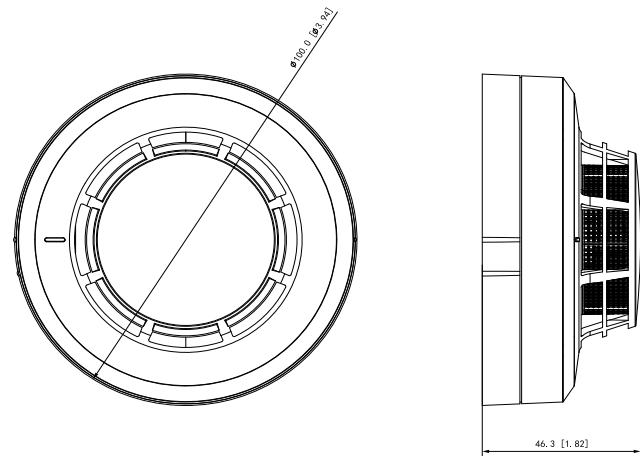
Technical Specification

Working Principle	CO Detection
Operating Voltage	DC 24V
Operating Current	Static current: ≤ 1mA Alarm current: ≤ 5mA
Alarm Mode	Indicator light alarm
Operating Temperature	−5°C to +45°C (+23°F to +113°F)
Operating Humidity	≤ 95% RH (no condensation)
Dimensions	Φ100 mm × 46.3 mm (Φ3.94" × 1.82")
Weight	110 g (0.243 lb)
Color	White
Installation	Ceiling mount
Detection Capability	Detection range: 0-1000 ppm CO Alarm triggers: 30 ppm: ≤120 min alert (no prior alarm) 50 ppm: ≤60 min (new) / ≤90 min (existing alarm) 100 ppm: ≤10 min (new) / ≤40 min (existing) 300 ppm: INSTANT (new) / ≤3 min (existing)
Certification	CE

Installation



Dimensions (mm/inch)



Ordering Information

Type	Model	Description
Addressable CO Detector	DHI-HY-AF640R	Addressable CO Detector