

DHI-HY-GC20D

Standalone Carbon Monoxide Alarm



System Overview

Standalone Carbon Monoxide Alarm is designed to continuously monitor Carbon Monoxide concentration. Adopting advanced electrical technology, a built-in high-volume buzzer, it responds quickly and becomes highly sensitive with stable performance and low false alarm. Once the surrounding Carbon Monoxide concentration reaches the alarm value, it will promptly send out an audible and visual alarm signal to remind the user to take immediate measures.

Scene

Application scenarios include homes, restaurants, hotels and other places that require Carbon Monoxide detection.

Technical Specification

Working Principle

Collection Type	Carbon Monoxide (CO)
Sensor Type	Electrochemical

Alarm

Alarm Type	CO alarm, fault warning, low battery warning
Alarm Volume	Over 85dB (A) at 3 m (9.84 ft)
Alarm Mode	Visual and audible alarm
Silence Function	Support
Silence Duration	About 45 seconds
Alarm Response Threshold	50 ppm: 60 min–90 min 100 ppm: 10 min–40 min 300 ppm: < 3 min

- High-performance electrochemical CO sensor to deliver accurate detection of carbon monoxide leakage and respond quickly
- Long standby time, low power consumption, 10-year battery life
- Support low battery warning, one-click silence, and self-test
- Informative and easy-to-read CO concentration display in screen
- Three indicator lights for displaying device status clearly
- Excellent production, novel appearance, delicate and compact, simple and convenient installation

Basic Parameters

Display	LCD
Indicator Light	LED (red/yellow/green)
LED Instruction	Alarm: Red indicator Fault: Yellow indicator Power: Green indicator

Power Supply

Battery Life	10 years
Power Source	3V CR123A lithium battery (non-replaceable)
Operating Current	Monitoring Current: ≤20uA Alarm Current: ≤10mA

Operating Ambient

Operating Environment	Indoor use only
Operating Temperature	–10°C to +40°C (+14°F to +104°F)
Operating Humidity	≤95% RH (non condensing)

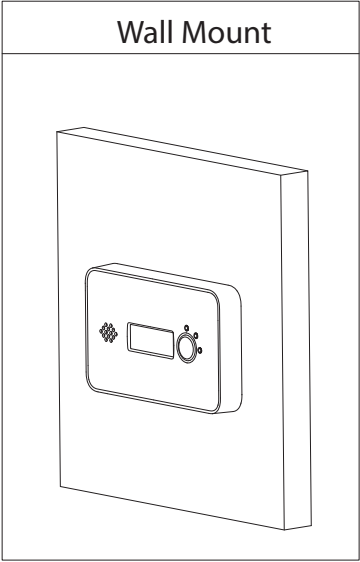
Appearance

Color	White
Material	PC + ABS
Dimensions	116.4 mm × 71.7 mm × 28.3 mm (4.58" × 2.82" × 1.11")
Weight	125 g
Installation	Wall Mount

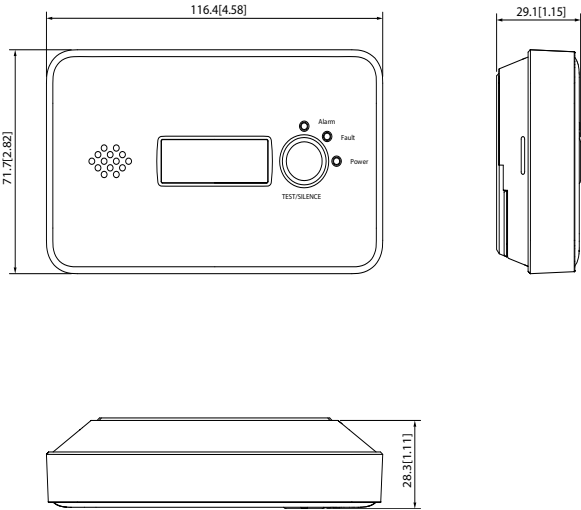
Certification

Certifications	TÜV and CE listed
Compliance Standard	EN 50291-1:2018

Installation



Dimensions (mm/inch)



Ordering Information

Type	Part Number	Description
Carbon Monoxide Alarm	DHI-HY-GC20D	Standalone Carbon Monoxide Alarm