DHI-HY-GC30A

Standalone Carbon Monoxide Alarm



- 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
- Temperature and humidity measurement: Display current temperature and humidity alternately without the presence of CO
- Screen display: Blue backlight function is user-friendly to read information
- 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

System Overview

The Carbon Monoxide Alarm (hereinafter referred to as the Device) responds quickly with high sensitivity, stable performance and low false alarms when there is too much Carbon Monoxide in the air. This Device is able to measure carbon monoxide levels as low as 30 ppm using the high quality sensor. The multi-functional LCD screen displays the temperature and humidity in standby mode, and the carbon monoxide concentration in alarm mode. Once the ambient carbon monoxide concentration reaches the alarm value, the device sounds a loud 85dB alarm and the LED flashes rapidly, alerting users to take immediate action.

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 9 minutes
Alarm Response Threshold	50 ppm: 60 min–90 min 100 ppm: 10 min–40 min 300 ppm: < 3 min

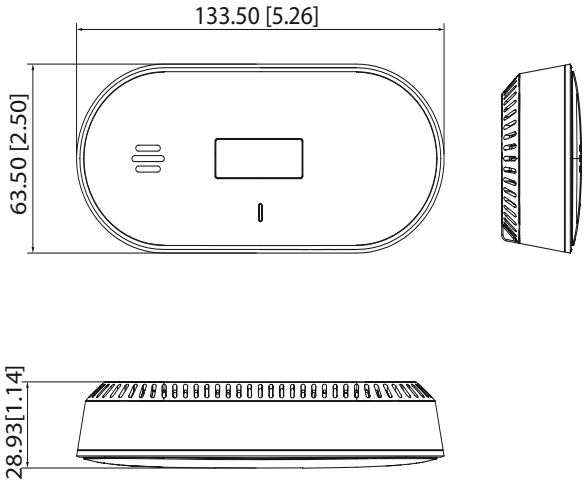
Technical Specification

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 CR17450A lithium battery (non-replaceable)
Operating Current	Standby Current: ≤20uA Alarm Current: ≤20mA
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)
Environmental Measurement	
Temperature Accuracy	±0.1°C typical
Humidity Accuracy	±1.5%RH typical
Appearance	
Color	White
Material	PC + ABS
Dimensions	133.5 mm × 63.5 mm × 28.9mm (5.26” × 2.50” × 1.14”)
Weight	123 g (0.28lb)
Installation	Wall mount/Free standing

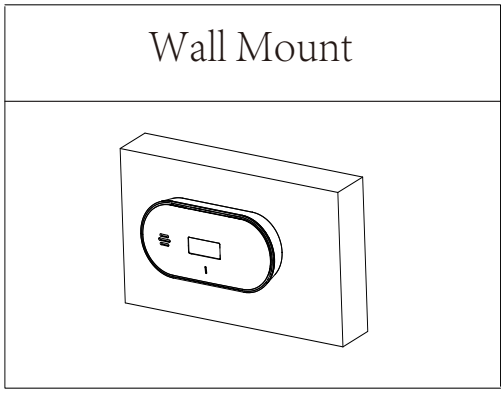
Technical Specification

Certification	
Certifications	TUV, CE and UKCA listed
Compliance Standard	EN 50291-1:2018 and BS EN 50291-1:2018

Dimensions (mm/inch)



Installation



Ordering Information

Type	Part Number	Description
Carbon Monoxide Alarm	DHI-HY-GC30A	Standalone Carbon Monoxide Alarm