

DHI-HY-GC20D-R8

Wireless Interconnected 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
- Three separate LED indicators to provide clear and apparent working status illustration
- Built-in high-volume buzzer with alarm volume 85dB (A) at 3 m (9.84 ft)
- Support low battery warning, one-click silence, and self-test
- Peak level display function to inform users extra potential hazards in home
- Informative and easy-to-read CO concentration display in screen
- Wireless interconnected with maximum of 24 devices
- End of life warning: LCD display shows End with the buzzer beeping and LED indicator flashing three times per minute

System Overview

Wireless Interconnected 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 CO concentration reaches the alarm value, it will promptly send out an audible and visual alarm signal to remind the user to take immediate measures. Moreover, the alarm signal will be pushed to every alarm in the interconnected network and they will raise the alarm in unison.

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
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
Operating Frequency	868MHz (-R8) /925 MHz (-R9)
Radio Signal Range	Up to 1000 m (3280.84 ft) in free air (-R8) Up to 500 m (1640.42 ft) in free air (-R9)
Maximum Number of Interconnected Units	24pcs

Power Supply

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

Operating Ambient

Operating Environment	Indoor use only
Operating Temperature	–10°C to +55°C (+14°F to +131°F)
Operating Humidity	≤95% RH (non condensing)

Appearance

Color	White
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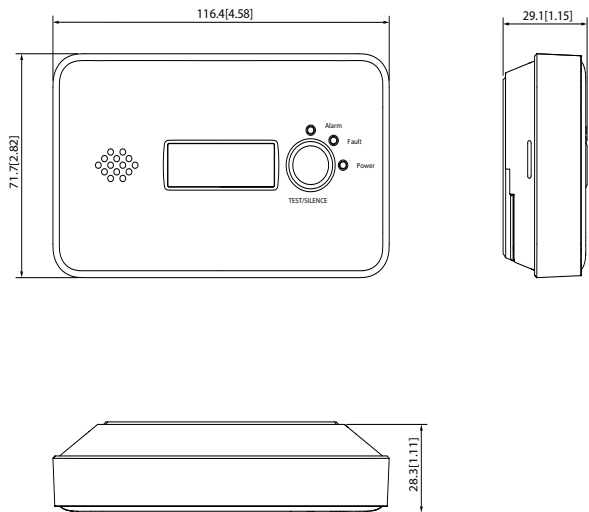
Technical Specification

Material	PC + ABS
Dimensions	116.4 mm × 71.7 mm × 29.1 mm (4.58" × 2.82" × 1.15")
Weight	125 g (0.28 lb)
Installation	Wall Mount
Certification	
Certifications	TÜV, CE, PSTI

Ordering Information

Type	Model	Description
Carbon Monoxide Alarm	DHI-HY-GC20D-R8	Wireless Interconnected Carbon Monoxide Alarm
Carbon Monoxide Alarm	DHI-HY-GC20D-R9	Wireless Interconnected Carbon Monoxide Alarm

Dimensions (mm/inch)



Installation

