DHI-HY-GC30A-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
· 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
· 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

This Wireless Interconnected 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
Operating Frequency	868MHz
Radio Signal Range	Up to 1000 m (3280.84 ft) in open air
Maximum Number of Interconnected Units	24pcs

Power Supply

Battery Life	10 years
Operating Voltage	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 +55°C (+14°F to +131°F)
Operating Humidity	≤95% RH (non condensing)

WisuLink

Technical Specification

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

Certification

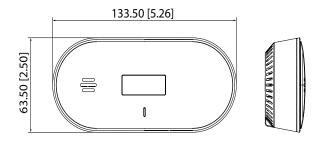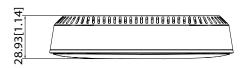|	
Certifications	TUV, CE and UKCA listed
Compliance Standard	EN 50291-1:2018 BS EN 50291-1:2018 EN 62479:2010 EN 301 489-1 V2.2.3 EN 301 489-3 V2.1.1 EN 300 220-2 V3.1.1 EN 50270:2015

Ordering Information

Type	Part Number	Description
Carbon Monoxide Alarm	DHI-HY-GC30A-R8	Wireless Interconnected Carbon Monoxide Alarm

Installation

Wall Mount

Dimensions (mm/inch)

133.50 [5.26]
63.50 [2.50]
28.93 [1.14]

WisuLink