

DHI-HY-ES10A-R8

Environmental Sensor



- Easy to install and manage
- Gather data on indoor environmental conditions
- Suitable for wall mounting
- 10-year lithium battery
- Access to Gateway and Wisualarm App

System Overview

DHI-HY-ES10A-R8 Environmental Sensor monitors temperature and humidity, providing actionable insights to enable the creation of healthier, safer homes. Due to its small and compact design, the Environmental Sensor can be placed in any room with minimal disruption to residents.

Functions

Temperature & Humidity Measurement

Temperature and humidity can be detected at the same time

Easy to Use

Ready-to-use and easy to install

Long Life Battery

The built-in battery can work for 10 years

Scene

Application scenarios include bathroom, kitchen, living room, bedroom and other places with significant changes in temperature and humidity.

Technical Specification

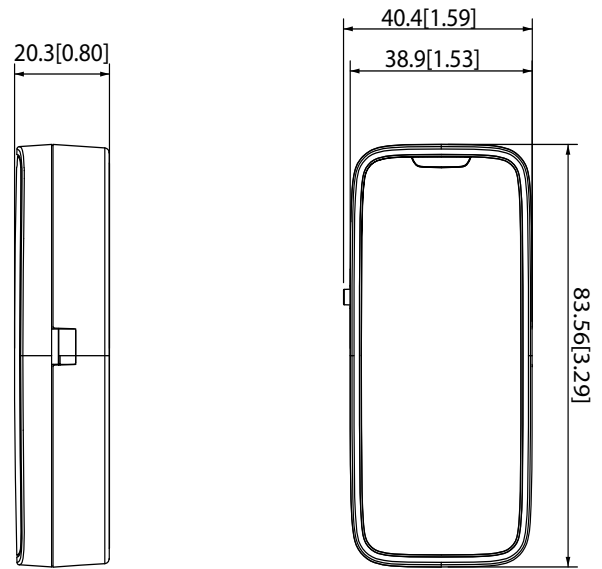
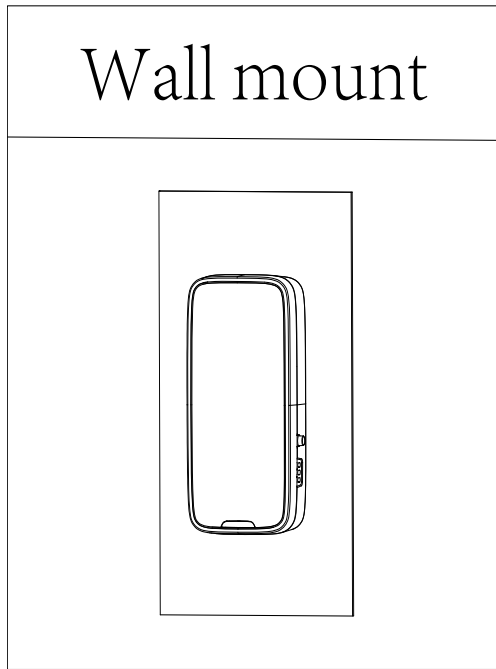
Collection Type	Temperature, Humidity
Alarm Type	Abnormal temperature alarm, humidity alarm, fault warning, low battery warning
Alarm Mode	Visual alarm

Technical Specification

Operating Temperature	-10°C to +55°C (+14°F to +131°F)
Operating Humidity	≤95% RH (non condensing)
Temperature Accuracy	±0.1°C typical
Humidity Accuracy	±1.5%RH typical
Indicator Light	Alarm, fault and operation indicator
LED Instructions	Standby: Green indicator flashes once per minute Alarm: Red indicator flashes once per second Fault: Red indicator flashes twice per minute
RF Frequency	868MHz (-R8) /925 MHz (-R9)
RF Range	Up to 1000 m (3280.84 ft) in free air (-R8) Up to 500 m (1640.42 ft) in free air (-R9)
Power Source	DC 3V
Battery Life	10 years
Battery Type	Lithium battery (non-replaceable)
Operating Current	Monitoring current: ≤15μA (avg.) Alarm current: ≤35mA (avg.)
Color	White
Casing	PC+ABS
Dimensions	40.35 mm × 83.56 mm × 20.30 mm (1.59" × 3.29" × 0.80")
Weight	50 g (0.11 lb)
Installation	Wall mounting
Compliance Standard	EN 300 220-1, EN 300 220-2, EN 301 489-1, EN 301 489-3 & EN 62368-1
Certifications	CE, UKCA, PSTI, RCM

Installation

Dimensions (mm/inch)



Ordering Information

Type	Part Number	Description
Environmental Sensor	DHI-HY-ES10A-R8	Environmental Sensor
Environmental Sensor	DHI-HY-ES10A-R9	Environmental Sensor
Wireless Gateway	DHI-HY-GW01A	Wireless Gateway