

DHI-ALARMKIT-WithKeypads

Alarm KIT



- Supports 150 wireless peripherals (6 sirens, 64 wireless keyfobs, 4 alarm repeaters, 8 wireless keypads, 8 PIR-Cameras).
- Peripherals status display (signal strength, battery level, temperature, program version).
- Wired, Wi-Fi or GPRS network connection.
- Dual SIM and Single Standby, auto switching.
- Automatic network replenishment (ANR).
- Video linkage on App.
- SOS emergency alarm.
- Frequency hopping function and two-way communication technology ensure communication stability.
- Cloud update and automatic recovery from update failure.

System Overview

An all new industrial design and advanced technological system, makes the new generation of wireless alarm products easier to install, look better, communicate more reliably and perform more stably. From the comfort of the mobile apps DMSS (for end users) and DoLynk Care (for installers), receive notifications in real-time, control and manage your devices, perform remote operations, and more.

Scene

Mainly applied for villas, shops, apartments, etc.

Technical Specification

Input and Output

Wireless Protection Zone	Hub: 150-channel wireless peripherals (6 sirens, 64 wireless keyfobs, 4 alarm repeaters, 8 wireless keypads, 8 PIR-Cameras)
Port	
Buzzer	Hub: Built-in External Siren: 1 × buzzer Keypad: 1 × built-in buzzer
Button	Hub: 1 × reset, 1 × power, 1 × AP Door Detector: 1 × power button PIR Detector: 1 × power button External Siren: 1 × power switch Siren: 1 × power button Keypad: 15 buttons (0–9, *, #, arm, disarm, and home arm)
Indicator Light	Hub: 1 for multiple statuses (alarm, arming, disarming, networking, and malfunction) Door Detector: 1 × green alarm indicator PIR Detector: 1 × green alarm indicator External Siren: 1 × green alarm indicator; 12 × alarm LED groups Siren: 1 × green alarm indicator Keypad: 4 indicators (communication, arm/disarm, fault, and alarm)
Storage battery	Hub: Built-in lithium battery

Network Mode	Hub: Single SIM (GSM:900/1800MHz); dual SIM single standby
Network Port	Hub: 1 × RJ-45 10 M/100 M Ethernet port

Function

Network Protocol	Hub: TCP/IP, including PPTP, L2TP, DHCP, UPNP, and NTP
Offline Cache	Hub: Max. 50 entries (ANR)
Power Failure Protection for Configured Parameters	Hub: Yes
Remote Update	All: Cloud update
Video Linkage	Hub: Yes
SMS	Hub: Yes (up to 5 phone numbers)
Phone Call	Hub: Yes (up to 5 phone numbers)
Low Battery Alarm	All: Yes
Tamper Alarm	Hub: Yes Door Detector: Yes PIR Detector: Yes External Siren: Yes Siren: Yes Keypad: Yes
User Management	Hub: Share function for App users Keypad: 32 users
Search	Hub: Searching push messages, device status, and program version. Detecting signal strength. Door Detector: Signal strength detection PIR Detector: Signal strength detection External Siren: Signal strength detection Siren: Signal strength detection
Arm and Disarm	Hub: App; Keypad: Password; IC card

Wireless

Carrier Frequency	All: 868.0 MHz–868.6 MHz
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Communication Distance	Hub: Up to 2,000 m (6,561.68 ft) in an open space Door Detector: Up to 1,200 m (3,937.01 ft) in an open space PIR Detector: Up to 1,600 m (5,249.34 ft) in an open space External Siren: Up to 1,600 m (5,249.34 ft) in an open space Siren: Up to 1,000 m (3,280.84 ft) in an open space Keypad: Up to 1,600 m (5,249.34 ft) in an open space
Communication Mechanism	All: Two-way
Encryption Mode	All: AES128
Frequency Hopping	All: Yes
Wi-Fi	Hub: 2.4G

Peripherals

External Zone	Door Detector: 1-channel dry contact input
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Temperature

Measuring Range (Temperature)	Door Detector: −15 °C to +65 °C (+18.8 °F to +149 °F) (indoor) PIR Detector: −15 °C to +65 °C (+18.8 °F to +149 °F) (indoor) Siren: −15 °C to +65 °C (+18.8 °F to +149 °F) (indoor) Keypad: −15 °C to +65 °C (+18.8 °F to +149 °F) (indoor)
Resolution (Temperature)	Door Detector: 1 °C (33.8 °F) PIR Detector: 1 °C (33.8 °F) Siren: 1 °C (33.8 °F) Keypad: 1 °C (33.8 °F)

Specification

Sensor	Door Detector: Reed switch PIR Detector: Dual elements low-noise PIR sensor
Test Mode	Door Detector: Yes PIR Detector: Yes
Scenario	Door Detector: Non-metal doors
Movement Distance	PIR Detector: PIR
Detection Range	PIR Detector: 12 m (39.37 ft) (90°) with installation height of 2.2 m (7.21 ft)
Detection Speed	PIR Detector: 0.3 m/s–3 m/s (0.98 ft/s–9.84 ft/s)
Pet Immunity Level	PIR Detector: ≤ 18 kg (39.68 lb)
White Light Resistance Level	PIR Detector: 6500 lx
Two-way Digital Temperature Compensation	PIR Detector: Yes, no attenuation of detection distance in high temperature
Sensitivity	PIR Detector: 3 levels adjustable

General

Power Supply	Hub: 12 V DC, 1.5 A (Europe, UK and USA power adapters are optional) Door Detector: CR123A battery PIR Detector: CR123A battery External Siren: CR123A battery Siren: CR123A battery Keypad: AA battery
Battery Life	Hub: Storage battery standby for 12 Hours Door Detector: 5 years PIR Detector: 4 years External Siren: 3.4 years Siren: 2.5 years Keypad: 3 years

Power Consumption	Door Detector: Max. 70 mW PIR Detector: Max. 75 mW Siren: Max. 240 mW Keypad: Max. 2.3 W
Operating environment	Hub: −10 °C to +50 °C (+14 °F to +122 °F) (indoor) Door Detector: −10 °C to +55 °C (+14 °F to +131 °F) (indoor) PIR Detector: −10 °C to +55 °C (+14 °F to +131 °F) (indoor) External Siren: −25 °C to +60 °C (−13 °F to +140 °F) (outdoor) Siren: −10 °C to +55 °C (+14 °F to +131 °F) (indoor) Keypad: −10 °C to +55 °C (+14 °F to +131 °F) (indoor)
Operating Humidity	All: 10%–90% (RH)
Product Dimensions	Hub: 163.0 mm × 163.0 mm × 32.0 mm (6.42" × 6.42" × 1.26") (L × W × H) Door Detector: 100.2 mm × 20.8 mm × 20.3 mm (3.94" × 0.82" × 0.80") (L × W × H) PIR Detector: 104.0 mm × 60.0 mm × 50.0 mm (4.09" × 2.36" × 1.97") (L × W × H) External Siren: 200 mm × 200 mm × 52.5 mm (7.87" × 7.87" × 2.07") (L × W × H) Siren: 81.0 mm × 81.0 mm × 26.0 mm (3.19" × 3.19" × 1.02") (L × W × H) Keypad: 146.0 mm × 82.0 mm × 22.6 mm (5.75" × 3.23" × 0.89")
Packaging Dimensions	Hub: 219.0 mm × 187.0 mm × 91.0 mm (8.62" × 7.36" × 3.58") (L × W × H) Door Detector: 135.0 mm × 98.5 mm × 27.8 mm (5.31" × 3.88" × 1.09") (L × W × H) PIR Detector: 135.0 mm × 98.5 mm × 56.8 mm (5.31" × 3.88" × 2.24") (L × W × H) External Siren: 255 mm × 239 mm × 64 mm (10.04" × 9.41" × 2.52") (L × W × H) Siren: 135.0 mm × 98.5 mm × 56.8 mm (5.31" × 3.88" × 2.24") (L × W × H) Keypad: 180.0 mm × 104.0 mm × 58.0 mm (7.07" × 4.09" × 2.28")
Installation	Hub: Wall mount; Desktop Door Detector: Bracket mount PIR Detector: Wall mount External Siren: Wall mount Siren: Bracket mount Keypad: Wall mount
Net Weight	Hub: 0.38 Kg (0.84 lb) Door Detector: 70 g (0.15 lb) PIR Detector: 100 g (0.22 lb) External Siren: 610 g (1.34 lb) Siren: 105 g (0.23 lb) Keypad: 240 g (0.529 lb)
Gross Weight	Hub: 0.8 Kg (1.76 lb) Door Detector: 115 g (0.25 lb) PIR Detector: 170 g (0.37 lb) External Siren: 920 g (2.03 lb) Siren: 175 g (0.39 lb) Keypad: 370 g (0.816 lb)
Casing	All: PC + ABS
Certifications	All: CE
Protection	External Siren: IP65

Technical

Scenario	External Siren: Outdoor
Operating Current	External Siren: 92 μA
Alarm Current	External Siren: 420 mA
Sound and Light Alarm	External Siren: Light alarm and multiple alarm sounds, including fire, medical, intrusion, panic, and more.
Sound Pressure	External Siren: 110 dB Siren: ≥ 105 ± 3 dB\1M

Ordering Information		
Type	Model	Description
Alarm KIT	DHI-ALARMKIT-WithKeypads	1×Alarm hub (2G; UK power adapter by default; Europe and USA power adapters are optional) 1×wireless door detector 2×wireless PIR detector 1×Wireless External Siren 1×Wireless Siren 1×Wireless Keypad

Application

