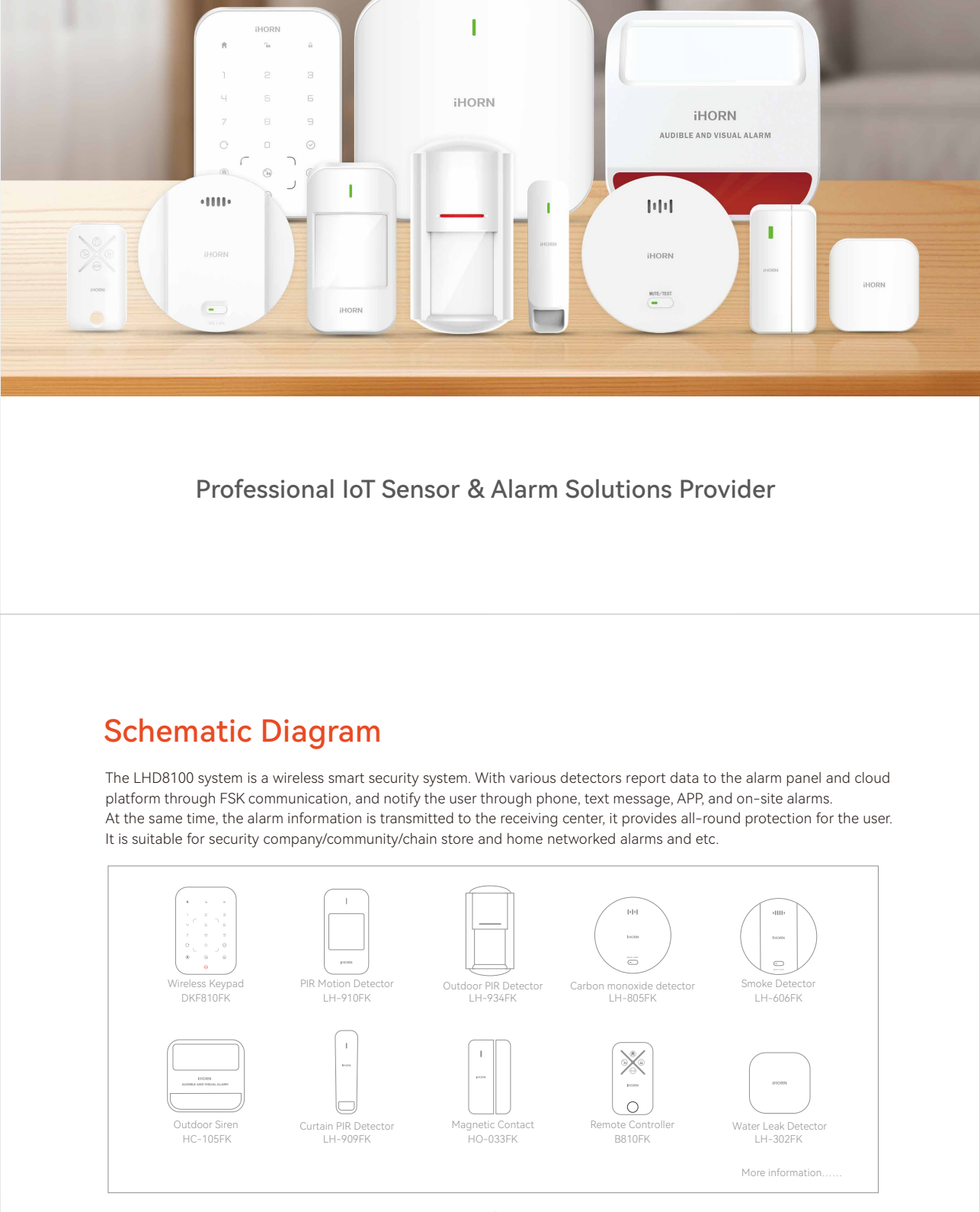


4G Home Security System

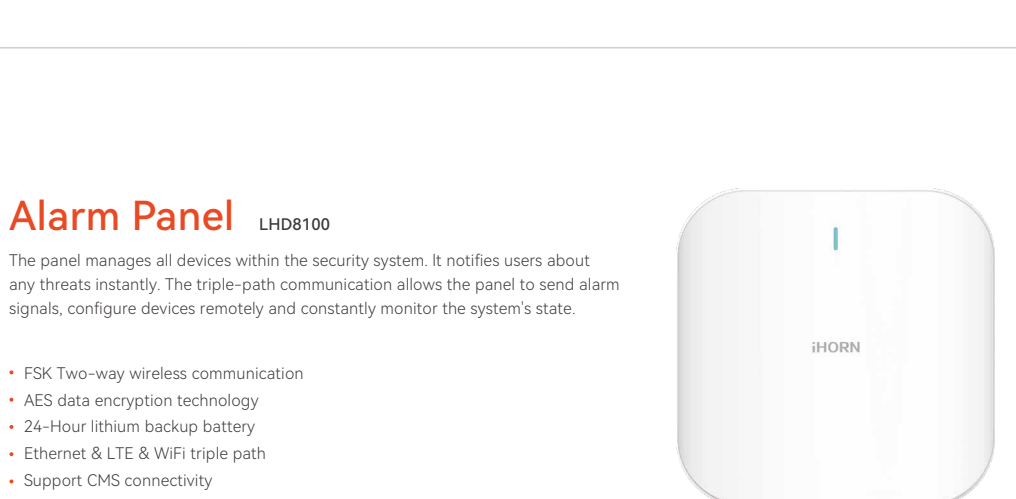
More Secure, Stable and Flexible



Professional IoT Sensor & Alarm Solutions Provider

Schematic Diagram

The LHD8100 system is a wireless smart security system. With various detectors report data to the alarm panel and cloud platform through FSK communication, and notify the user through phone, text message, APP, and on-site alarms. At the same time, the alarm information is transmitted to the receiving center, it provides all-round protection for the user. It is suitable for security company/community/chain store and home networked alarms and etc.



Schematic Diagram



Support 4G/WiFi/ Ethernet communication
Triple communication channels, fast information reporting to prevent information delay or loss caused by network congestion.



No installation required, free of charge
Access through a web browser, no software installation.



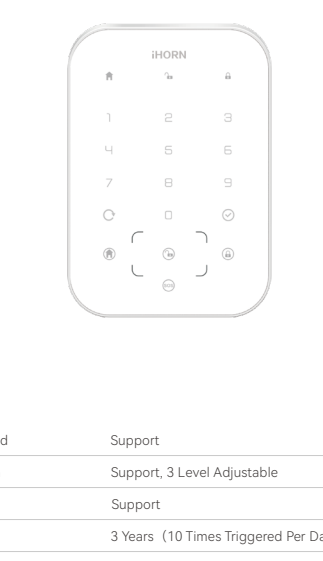
Support integration with CMS platforms
The alarm panel supports CID and SIA protocols, and can be connected to third-party CMS platforms.



AES Data encryption
Using cloud computing, data transmission and storage are encrypted to ensure the security of user data.

Alarm Panel LHD8100

The panel manages all devices within the security system. It notifies users about any threats instantly. The triple-path communication allows the panel to send alarm signals, configure devices remotely and constantly monitor the system's state.



- FSK Two-way wireless communication
- AES data encryption technology
- 24-hour lithium backup battery
- Ethernet & LTE & WiFi triple path
- Support CMS connectivity

Network	4G, WiFi, Ethernet	Firmware Upgrade	Web Portal/OTA via App
Cellular Bands	GSM (EGSM900MHz, DCS1800MHz) LTE-FDD (B1, B3, B5, B7, B8, B20)	Off-line Configuration	Support
Wireless Zones	100	CMS Protocol	Contact ID(SIA/DC-09)
Remote Controllers	32	Voice Prompt	Support
Partitions	32	dB Output	80dB
Wireless Protocol	FSK with Two-Way Communication	Tamper Alarm	Support
Radio Frequency	868MHz/433MHz	Power Supply	DC12V
Wireless Security	Frequency Hopping 128 AES Encryption	Backup Battery	Up to 12 Hours
Transmission Range	Up to 800 meters outdoor	Installation Methods	Wall-mount with Screws
Detector Ping Interval	Support	Operating Temperature	-10~55°C
Reset Button	36~128S	Operating Humidity	5~95%RH
Dimensions	164*164*35mm	Compliance Standards	EN 50131-2 / CE

Wireless Keypad DKF810FK

The keypad allows to use numerical passcode to arm and disarm the security system, active the night mode, and raise a silent alarm in case of emergency. This device can be mounted by the entry door to provide quick system control.

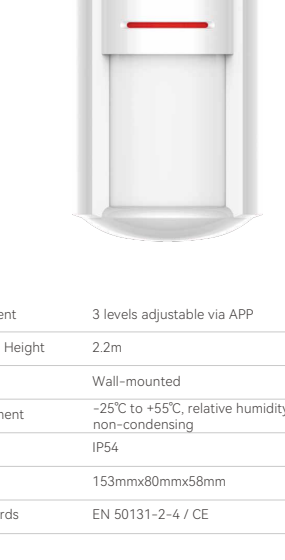


- FSK Two-way wireless communication
- AES data encryption technology
- Support encrypted contactless key fobs
- Support light and sound indication
- 3-Year battery life

Power Supply	DC3V, 4*AA Battery	BackLight Keypad	Support
Wireless Protocol	FSK with Two-Way Communication	Sound Indication	Support, 3 Level Adjustable
Radio Frequency	868MHz/433MHz	Tamper Alarm	Support
Transmission Range	Up to 800 meters outdoor	Battery Life	3 Years (10 Times Triggered Per Day)
Function	Armi/Arm Stay/Disarm... SOS	Installation Method	Wall-mount with 3M or Screws
Protection Against Code Guessing	Support, 50 Fobs Maximum	Operating Temperature/Humidity	-10~55°C / 95%RH
Duress Code	Support	Dimensions	167*117*21.6mm
		Compliance Standard	CE

Carbon Monoxide Detector LH-805FK

LH-805FK Carbon Monoxide Detector is designed for safety monitoring in homes, offices, and other environments. When the CO levels in the environment exceeds the alarm threshold, the device will issue an audible and visual alarm prompt on site, and at the same time send an alarm message to the alarm panel through APP.

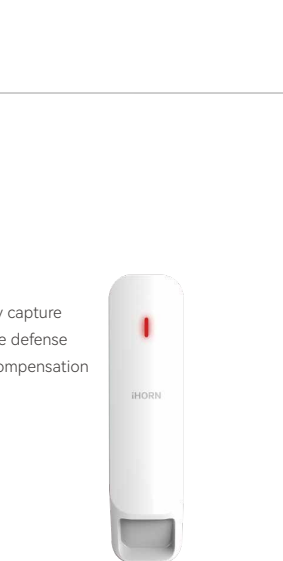


- CO monitoring
- Sensor lifespan of 10 years
- FSK Two-way wireless communication
- AES data encryption technology
- 24/7 safety monitoring
- Ultra-low power consumption design
- Tampering alarm
- Offline self-test

Operating Voltage	DC3.0V	Accuracy Error	±50ppm
Power Supply	CR123A	Alarm Mode	Sound and light alarm
Detection Gas	Carbon monoxide (CO)	dB Output	≥85dB@3m
Sampling Method	Natural diffusion	Operating Environment	-25°C to +55°C, relative humidity <95% non-condensing
Detection Range	0-500ppm	Dimensions	φ86*32mm
Alarm Concentration	200ppm	Compliance Standards	EN 50291 / CE

Smoke Detector LH-606FK

The LH-606FK is a photoelectric smoke detector with a wireless transmission function. It uses a dual-light source optical sensing principle to detect fire, which can reduce false alarm rates and achieve more accurate alerts.



- FSK Two-way wireless communication
- AES data encryption technology
- Dual light source fire detection
- Intelligent smoke and temperature detection
- Contamination self-test technology
- Low power consumption design
- Tampering alarm
- Offline self-test

Wireless Protocol	FSK	Operating Humidity	≥95%RH, no condensation
Radio Frequency	868MHz/433MHz	dB Output	80dB@3m
Transmitting Power	≤120m	Detection Range	50 Square Meters
Operating Voltage	DC3V (AA battery*2)	Transmission Distance	800m(outdoor open space)
Operating Current	<80mA	Battery Life	3~5 Years
Static Current	<60uA	Dimensions	φ105*40mm
Operating Temperature	-10°C~+55°C	Compliance Standards	EN 14604 / CE

Outdoor Wide-Angle PIR Motion Detector LH-934FK

The LH-934FK is a 110°wide-angle detector that combines microwave and passive infrared technologies. Paired with advanced signal analysis and processing techniques, it achieves precise detection of human movement in the defense area.



- Microwave + Passive infrared detection
- 110° Wide-angle/ 16m detection
- FSK Two-way wireless communication
- AES data encryption technology
- Dual white light resistance technology
- Dual digital temperature compensation technology
- Adjustable sensitivity
- Ultra-low power consumption design

Operating Voltage	DC 3.0V	Sensitivity Adjustment	3 levels adjustable via APP
Power Supply	2 x CR123A batteries	Optimal Installation Height	2.2m
Detection Angle	110°	Installation Method	Wall-mounted
Detection Range	16m	Operating Environment	-25°C to +55°C, relative humidity <95% non-condensing
Radio Frequency	10.525 GHz	Protection Class	IP54
Pet Immunity	<35 KG Adjustable bracket, at 180° from left to right and 30° from top to bottom	Dimensions	153mm*80mm*58mm
Optional Bracket		Compliance Standards	EN 50131-2-4 / CE

PIR Motion Detector LH-910FK

The PIR motion detector sends an immediate alarm to the panel when it detects an intruder moving inside the protected property. With integrated pet-immunity algorithm, the risk of false alarms triggered by pets is markedly reduced.

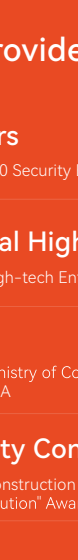


- FSK Two-way wireless communication
- AES data encryption technology
- Supports sensitivity adjustment via APP
- 5-Year battery life
- Up to 35kg pet immunity

Power Supply	DC3V, 1xCR123A Battery	Sensitivity	3 Level Adjustable Via APP
Wireless Protocol	FSK with Two-Way Communication	Detection Interval	30-180s Adjustable (60s Default)
Radio Frequency	868MHz / 433MHz	Tamper Alarm	Support
Transmission Range	Up to 800 meters outdoor	Battery Life	5 Years(10 Times Triggered Per Day)
Detection Angle	90°	Installation Method	Wall-mount with 3M or Screws
Detection Range	12m	Operating Temperature/Humidity	-10~55°C / 5~95%RH
Pet Immunity	35kg	Dimensions	114.6*61.1*43.5mm
Detectable Speed	0.3~2m/s	Compliance Standard	CE

Indoor Curtain PIR Detector LH-909FK

The curtain PIR detector is equipped with a new generation of Fresnel lens, which can accurately capture the infrared light emitted by the human body. It can judge whether there is anyone moving in the defense area within the range of 15° and 12m. It supports anti-RF interference, automatic temperature compensation functions. It can detect intrusion and issue an alarm accurately and quickly.



- FSK Two-way wireless communication
- AES data encryption technology
- Wall-mounted/Ceiling-mounted
- Pet-immunity function
- Sensitivity adjustable in 3 levels
- 5-Year battery life
- Offline self-test

Operating Voltage	DC3V(CR123A)	Detection Distance/Angle	12m (Wall-mounted), 8m(Ceiling mounted) / 15°
Operating Current	50mA	Wireless Protocol	FSK 868MHz / 433MHz
Static Current	≤35uA	Wireless Distance	800m / 400m(Open area)
Operating Temperature	-10°C ~ +55°C	Battery Life	5 Years
Operating Humidity	≥95%RH, no condensation	Dimension	132 x 34 x 43mm
Installation Method	Wall-mounted 2.4m / Ceiling-mounted 3.6m	Compliance Standards	EN50131-2-2 / CE

Magnetic Contact HO-033FK

The magnetic contact can be mounted on the door, window and cabinet. It will send an alarm signal when the intruders open the door, window or cabinet illegally.



- FSK Two-way wireless communication
- AES data encryption technology
- Tampering alarm
- 5-Year battery life

Power Supply	DC3V, 1xCR123A Battery	Tamper Alarm	Support
Wireless Protocol	FSK with Two-Way Communication	Battery Life	5 Years (10 Times Triggered Per Day)
Radio Frequency	868MHz / 433MHz	Installation Method	Wall-mount with 3M glue or Screws
Transmission Range	Up to 800 meters outdoor	Operating Temperature/Humidity	-10~55°C / 95%RH
Detection Gap	20mm Max	Dimensions	89.8*30.1*20.5mm 89.8*17.7*20.5mm
LED Indicator	Support, Red & Green	Compliance Standard	CE

Water Leak Detector LH-302FK

With an innovative double-sided shape and a rotary lid-opening design, the water detector efficiently and constantly monitors water leakage in your home. IP66 ingress protection grade guarantees its normal use in humid and dusty environments. Besides the impeccable design on the outside, the ultra-low power consumption gives the detector an outstanding battery life of 5 years.

- FSK Two-way wireless communication
- AES data encryption technology
- Tampering alarm
- 5-Year battery life

Power Supply	DC3V, 1~CR2450	Protection Class	IP66
Wireless Protocol	FSK with Two-Way Communication	Battery Life	5 Years (10 Times Triggered Per Day)
Radio Frequency	868MHz / 433MHz	Operating Temperature/Humidity	-10~55°C / 95%RH
Transmission Range	Up to 800 meters outdoor	Dimensions	58*58*21mm
Detection Water Level	0.5mm	Compliance Standards	EN 50131-2 / CE

Outdoor Siren HC-105FK

The HC-105FK Outdoor Siren is a key component of the security alarm system, with a beautiful appearance, quick response, and loud sound. When triggered, it will emit a high-decibel alarm sound and a intense flashing light, effectively deterring and scaring off intruders.

- Millisecond response with 105dB high-pitched alarm
- IP54 protection level
- FSK Two-way wireless communication
- AES data encryption technology
- Offline self-test

Wireless Protocol	FSK	Operating Humidity	5~95%RH
Radio Frequency	868MHz / 433MHz	dB Output	80/95/105dB@1m (open area)
Transmission Power	≤1308m	Backup Battery	24 hours standby with backup battery
Operating Voltage	DC12V	Battery Capacity	1000mAh backup battery
Operating Current	<20mA	Dimensions	164*164*57mm
Operating Temperature	-25°C~+70°C	Compliance Standards	EN 50131-4 / CE

Remote Controller B810FK

The remote controller allows quick arm and disarm of the security system, activates the night mode, and raises a silent alarm in case of emergency.

- FSK Two-way wireless communication
- AES data encryption technology
- Tampering alarm
- 2-Year battery life

Power Supply	DC3V, 1~CR2450	Battery Life	2 Years (10 Times Triggered Per Day)
Wireless Protocol	FSK with Two-Way Communication	Operating Temperature	-10~55°C
Radio Frequency	868MHz / 433MHz	Operating Humidity	95%RH
Transmission Range	Up to 800 meters outdoor	Dimensions	72.5*40.5*9.9mm
Function	Armi/Arm Stay/Disarm... SOS	Compliance Standard	CE

More products are coming soon.



Glass Break Detector



Relay



Wireless Repeater



Human Presence Detector

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Products Catalog

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