

iHORN

China Security Co., Ltd Member Company (Stock Code: SH600654)

SECURITY ALARM PRODUCT AND SOLUTION PROVIDER

Smart Building Security Alarm Solution
Perimeter Intrusion Alarm Solution



iHORN Product Catalogue

www.ihorn-tech.com

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Company Introduction

Established in 1995, China Security & Fire IoT Sensing Co., Ltd. (iHORN) is a national-level high-tech enterprise specialising in security products and system solutions, integrating R&D, manufacturing and sales.

The company's headquarter and production base are located in Shenzhen, China. The core business covers smart security, smart fire, smart elderly care and smart home. Adhering to the mission "high-quality products and services, so that people's lives are safer, more comfortable and harmonious", The company makes full use of the core technology advantages in sensing, communication and platform accumulated over the years, focuses on the R&D and production of smart hardware and software products for security, fire protection, elderly care and home, and provides customers with multi-series and full-field solutions.

The company has a nationwide sales network and service system, with sales and service offices in more than 30 major cities, including Beijing, Shanghai, Suzhou and Shenzhen, covering 34 provinces, cities and autonomous regions. Our products are exported to more than 100 countries and regions around the world, and have been used in the Winter Olympics, Olympic Stadium "The Water Cube", the Joint Pavilion of the World Expo, the National Museum, the Shenzhen Airport and other major projects, and our customers basically cover the well-known engineers, operators, agents and manufacturers in the industry.

The company attaches great importance to innovation and breakthroughs in its core technologies, spending more than 10% of its annual turnover on research and development, researching and tracking new technologies and products, and cooperating with advanced scientific research institutes both at home and abroad. The company has obtained more than 200 patents on its own intellectual property rights, and has become a member of the expert group of the Technical Committee on Standardisation (SAC/TC100) and a domestic enterprise that formulated the new national standard for the burglar alarm industry. At the same time, we are the first company in the industry to have passed the ISO9001 international quality certification system, ISO14001 international environmental management system, and ISO45001 occupational health and safety management system, and our main products have passed a number of authoritative professional certificates in the domestic and international markets, such as CCC, EN, CE, FCC, RoHS, and KC, etc., and we have a good reputation in the domestic and international markets for excellent quality, high price ratio, and perfect service. Since 2004, the company has been continuously developing its products and services in the domestic and international markets.

Since 2004, the company has been awarded the "China Security Top 10 Brand" for 17 consecutive years, the "China Security Top 10 Most Powerful Brand" for many consecutive years, the "China Security 30 Brand Supplier", and the "China Security Industry Award". For many years, the company has won the "Most Powerful Brand of China Security", "30 Brand Suppliers of China Security", "China Security Enterprise with the Best Appearance", "Recommended Brand for Safe City Construction", and "3A Grade Evaluation of Enterprise Credit and Usage" by the Ministry of Commerce of the People's Republic of China, The American Society for Industrial Security (ASIS) New Product Technology Award, Shenzhen Top 100 Quality Enterprises, German Red Dot Design Award, Forbes China AIoT Top 100 Enterprises" and other awards.

Over the past 30 years, the company has gathered a highly qualified, young and professional core team, and generations of iHORN have been adhering to the service concept of "Being attentive to our customers, letting them be touched". We are committed to providing the highest quality products and services at all stages of the life cycle of our products and services, with great care and innovation.

iHORN, your reliable partner, is committed to becoming a respected world-class enterprise, creating greater value for customers, investors, employees and society, and making the world a safer and more harmonious place.

National Standard

Security alarm product new national standard formulation enterprise

Founded in 1995

30 Years of technological precipitation

300+ Patents

More than 200 technology patents

30+ 100+

More than 30 offices in China | Products are exported to more than 100 countries and regions

Top 100

Shenzhen Top 100 Quality Enterprises

Red Dot Award

German Red Dot product appearance award

Honors & Qualifications

Over **100** corporate honors

More than **80** project awards

Over **50** product accolades



National High-tech Enterprise



National Specialized, Refined, Unique & Innovative Enterprise



AAA-rated Enterprise in Corporate Credit Evaluation



China's Innovative Enterprise in Security & Protection



Forbes China Top 100 AIoT Enterprises



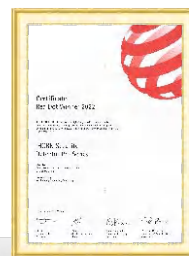
Premier Brand for Smart Elderly Care



Top 10 Most Influential Brands in China's Security Industry



Recommended Brand for Safe City Development



Red Dot Design Award (Germany)



Leading Brand in Smart Fire Protection



R&D Team

With 30 years of technological accumulation, iHORN owns more than 300 intellectual property rights and patents. As a member of SAC/TC100 Standardization Technical Committee, the company participated in formulating the new national standards for security alarm systems. Its core products have obtained authoritative certifications including UL, CCC, CE, FCC, EN and RoHS.



Professional Laboratories

Enable consistent quality control across the full product lifecycle and guarantee reliable mass production and delivery.



High-standard Intelligent Manufacturing Base

iHORN's smart factory covers a complete industrial chain with injection molding, SMT mounting, testing and final assembly workshops. The annual production capacity hits tens of millions of units. Customized processing is available to fulfill OEM/ODM demands of professional security products for domestic and global partners.



Management System

To ensure healthy and sustainable corporate development, iHORN has established a stable and efficient operational management system. By strictly controlling every stage of production, we have not only obtained ISO9001, ISO14001 and ISO45001 management system certifications, but also successfully passed the rigorous factory audits of Huawei, Apple, Hikvision, Dahua and Vanke.



Smart Building Security Alarm Solution

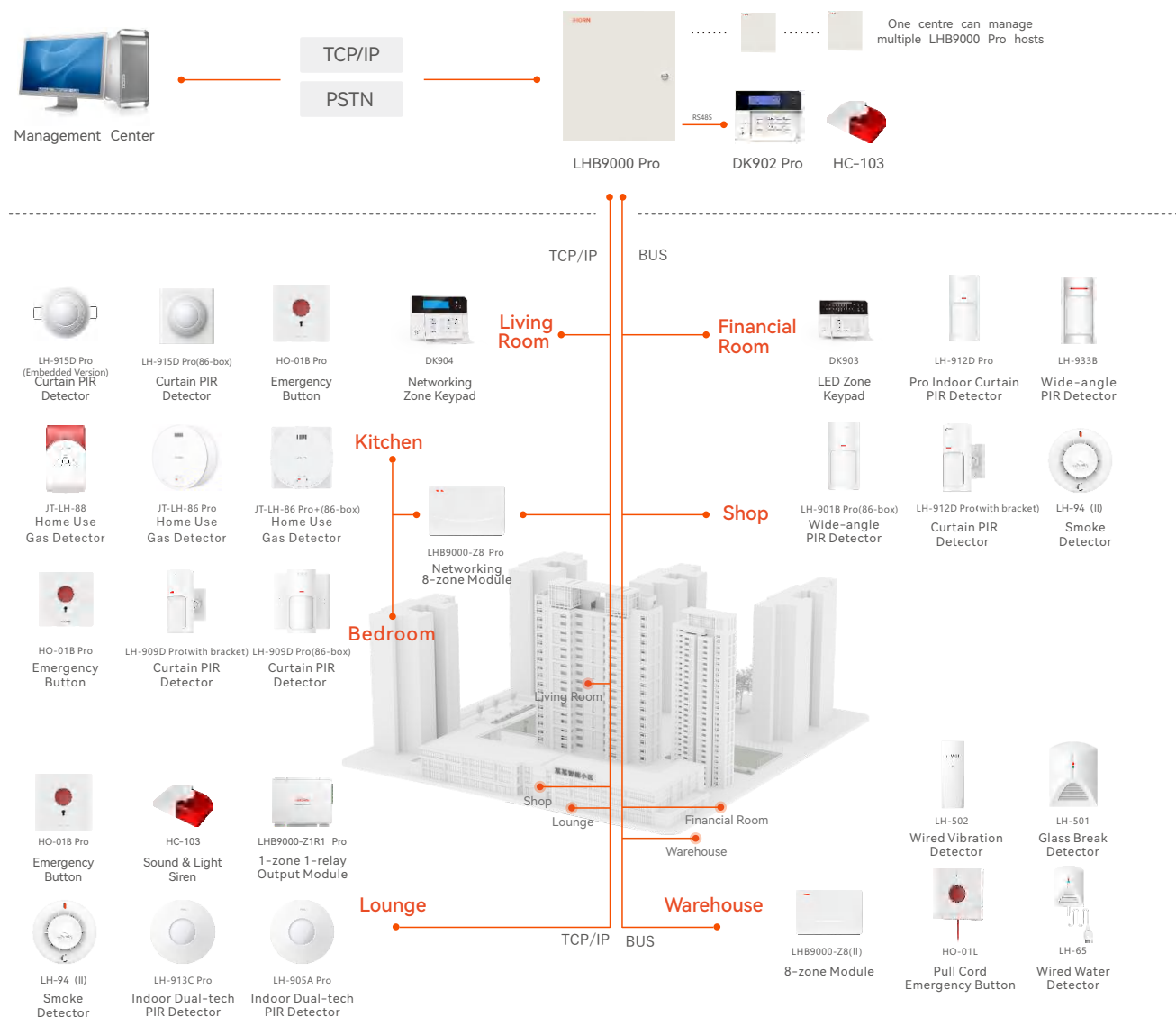
Solution

The LHB9000 Pro Smart Building Alarm Solution mainly solves the security problems related to people, property and goods in places with high staff density, high mobility, large areas and complex environments. The front-end collects signals using perimeter protection system products, indoor dual-identification detectors, combustion detectors, and magnets. The system architecture uses the TCP/IP network or the SBUS bus mode to report data to the LHB9000 Pro alarm host and the C9000 Pro integrated management software, and then transmits the data and information to the end-users via telephone, SMS, and on-site alarms, etc., so as to realise comprehensive and stereoscopic security. This enables comprehensive and sophisticated security prevention.

Areas Of Application

It is widely used in smart small areas, smart parks (workplaces), office buildings, residential and commercial complexes, museums, art galleries, government buildings, schools, hospitals, public prosecutors and law enforcement agencies, hotels and other places.

System Topology Diagram



Bus Based Network Alarm Host LHB9000 Pro



LHB9000 Pro Main Functions

- 1 **Six levels of control for rights management**
Supports 248 partitions, expandable to 31056 defence zones.
- 2 **Supports dual-system access method, enabling**
Cross-region management via local and local area network.
- 3 **New National Standard "Intrusion and Emergency Alarm System Control Indicator Equipment" GB12663-2019**
A new generation of products that meets the financial grade safety standard.
- 4 **Keyboard + Browser Design for Easy Operation and Maintenance**
Supports keyboard menus and PC web browser settings for intuitive and efficient operation.
- 5 **Multiple ways to communicate alarms for remote alerts**
Alarm can be received by three communication methods: PSTN, 4G module and IP.
- 6 **Remote Management Makes Maintenance Easier**
Supports remote diagnostics, upgrades, and configurations, eliminating the need for on-site upgrades and maintenance.

LHB9000 Pro Specification

Working Voltage/Current:	AC220V/≤0.5A
Working Ambient Temperature And Humidity:	-10°C~+55°C/≤95%@40°C
No. Of Main Board Defence Zones:	16
Wired Zone Expansion:	Yes
Number Of Passwords Used:	162
Zone Response Time:	≥300ms
Backup Battery Requirements:	12V,7.0AH
Number Of Event Records:	1024
Network Type:	TCP/IP, PSTN
Remote, local Upgrade:	Support
Auxiliary Power Output:	<12V/1A
PGM/Relay Linkage Power:	Yes
Phone Line Detection/Alarm Detection:	Yes/Yes
Supports External Relay Output:	Supports
Product Size:	320×370×90mm

DK902 Pro Control Keypad



Main functions

- Zoning function, single defence zone arming and disarming function.
- LCD display with editable defence zone names.
- Over-voltage, over-current and lightning protection.
- The main keyboard can display and view all defence zones.
- Communication distance: 1000 metres.

Management Software



No special computer settings are required for using the software. The C9000 Pro management software can be used to centrally manage multiple host computers at the same time.

Main functions

- Supports remote diagnostics, upgrading and configuration .
- Real-time arming/disarming, bypassing, and programming.
- Friendly programming interface, using controls such as group, list, and option for easy viewing and setting.
- Automatic electronic map positioning, auto zoom, and convenient settings.
- Detailed user information management, quick alarm processing and unprocessed alarm reporting .
- Comprehensive database backup and recovery, detailed historical alarm data query, and easy management of duty officer's operating privileges.
- Free SDK development kit is provided for quick docking with third-party platforms.

TCP/IP Expansion Module



LHB9000-Z1 Pro

Networking Single Defence Zone Module

- The host can be connected to 239, with selectable addresses from 17~255, and can be extended with 239 defence zones.
- Before installation, its defence zone number is set by its own dip switch.
- The network IP address can be obtained automatically or set by the management software.

Model:	LHB9000-Z1Pro
Operating Voltage:	External power supply: DC12V
Operating Current:	External power supply: Max50mA
Operating Temperature:	-25°C~+55°C
Operating Humidity:	5%~95%RH
Dimension:	90×78×24mm



LHB9000-Z8 Pro

Networking 8-Zone Module

- The module supports eight defence zone addresses and requires a separate external power supply.
- The host can connect up to 224 devices with selectable addresses ranging from 32 to 255, supporting a maximum expansion of 1,792 defence zones.
- Set its zone number via the built-in DIP switches before installation.
- It can automatically obtain a network IP address, or the IP can be configured through management software.

Model:	LHB9000-Z8 Pro
Operating Voltage:	DC12V
Operating Current:	Max 100mA
Operating Temperature:	-25°C~+55°C
Operating Humidity:	5%~95%RH
Zone Response Time:	≤500 ms
Dimension:	165×110×30mm



LHB9000-R8 Pro

Networking 8-Relay Module

- Each module has 8 relay outputs, which require separate external power supply.
- Before installation, its address code and relay output time are set by its own dip switches.
- The network IP address can be obtained automatically or set by the management software.
- The host can be equipped with 224 relay output modules with selectable addresses from 32 to 255. It can be expanded to 1792 output outlets.

Model:	LHB9000-R8 Pro
Operating Voltage:	DC12V
Operating Current:	Max 350mA
Operating Temperature:	-25°C~+55°C
Operating Humidity:	5%~95%RH
Relay Output Type:	NC/NO
Relay Withstand Current:	3A 28VDC / 3A 250VAC
Dimension:	165×110×30mm



LHB9000-Z1R1 Pro / PoE version

1-zone 1-relay Output Module

- The host can be connected to 239 devices with selectable addresses from 17~255, and can be extended with 239 defence zones and 239 outlets.
- Its defence zone number is set by its own dip switch before installation.
- The network IP address can be obtained automatically or set by the management software.

Model:	LHB9000-Z1R1 Pro/ PoE version
Operating Voltage:	External power supply: DC12V, POE power supply: DC 48V
Operating Current:	External power supply: Max50mA POE power supply: Max65mA
Operating Temperature:	-25°C~+55°C
Operating Humidity:	5%~95%RH
Dimension:	90×78×24mm



DK903

LED Zone Keypad

- 6-channel programmable wired defence zones, 8-channel programmable wireless defence zones.
- Compatible with various wireless detectors.
- 1 programming password, 5 user passwords, support the hostage password function.
- Arming and disarming operation through management software.
- 1 channel alarm output, buzzer prompt, 1 channel relay linkage output.

Model:	DK903
Working Voltage:	DC 12V
Current:	≤65mA
Full load Current:	<500MA
Operating Temperature:	-10°C~+55°C
Installation:	Wall Mounted
Wireless Frequency:	315MHz
Wireless Distance:	≤100m (Open space)
Dimension:	165×121×28mm



LHB9000-Z1

Single Zone Module

- A dialled single-address code generation module.
- Stable performance and flexible use.
- The host can be connected to 239, with selectable addresses from 17 to 255, and can be expanded by 239 defence zones.
- Its defence zone number is set by its own dip switch before installation.
- The unit requires no power supply and can be connected directly to the bus, which has a transmission distance of 2,600 metres.

Model:	LHB9000-Z1
Working Voltage:	DC 12V
Current:	350uA
Maximum Communication Distance:	2600m
Operating Temperature:	-10°C~+55°C
Humidity:	≤90%
Lightning Protection:	Built-in 1500W surge protection
Product Size:	100x18x10mm(main body) 235x18x10mm(with cable)



LHB9000-Z1R1

Single Zone Module (with 1 relay)

- Single switch output for defence zone trigger linkage (both NO/NC).
- Interface rating: DC28V 3A
- Selectable output durations for the single relay output (5s/30s/60s/300s).
- The host can be connected to 239 defence zones, and the address is selectable from 17~255.
- When externally powered, the bus transmission distance is 2,600 metres.

Model:	LHB9000-Z1R1
Operating Voltage:	DC12V
Current:	350uA
Peak Current:	10mA
Maximum Communication Distance:	2600m
Operating Temperature:	-10°C~+55°C
Humidity:	≤90%
Lightning Protection:	Built-in 1500W Surge Protection
Product Size:	140x20x20mm(main body) 370x20x20mm(with cable)



LHB9000-Z8(II)

8-Zone Module

- The module supports eight defence zone addresses and requires a separate external power supply.
- The host can connect up to 224 devices with selectable addresses ranging from 32 to 255, supporting a maximum expansion of 1,792 defence zones.
- Its defence zone number is set by its own dip switch before installation.

Model:	LHB9000-Z8(II)
Working Voltage:	DC 12V
Current:	10mA
Maximum Communication Distance:	2600m
Operating Temperature:	-10°C~+55°C
Humidity:	≤90%
Lightning Protection:	Built-in 1500W surge protection
Product Size:	165x110x30mm



LHB9000-R8(II)

8-Relay Module

- Each module has eight independent outputs.
- Communication with the host: connected to the host by the defence zone bus (SBUS), the length can be up to 2600m (Rvv2x1.0).
- It can follow the alarm output of the defence zone, follow the event output, and follow the alarm output of the partition.
- The host can access 224 eight-way relay output modules, the address from 32~255 optional, can expand 1792 output ports.

Model:	LHB9000-R8(II)
Operating Voltage:	DC 12V
Current:	50mA
Peak Current:	300mA
Maximum Communication Distance:	2600m
Operating Temperature:	-10°C~+55°C
Humidity:	≤90%
Lightning Protection:	Built-in 1500W surge protection
Product Size:	165x110x30mm

Telephone Alarm Module

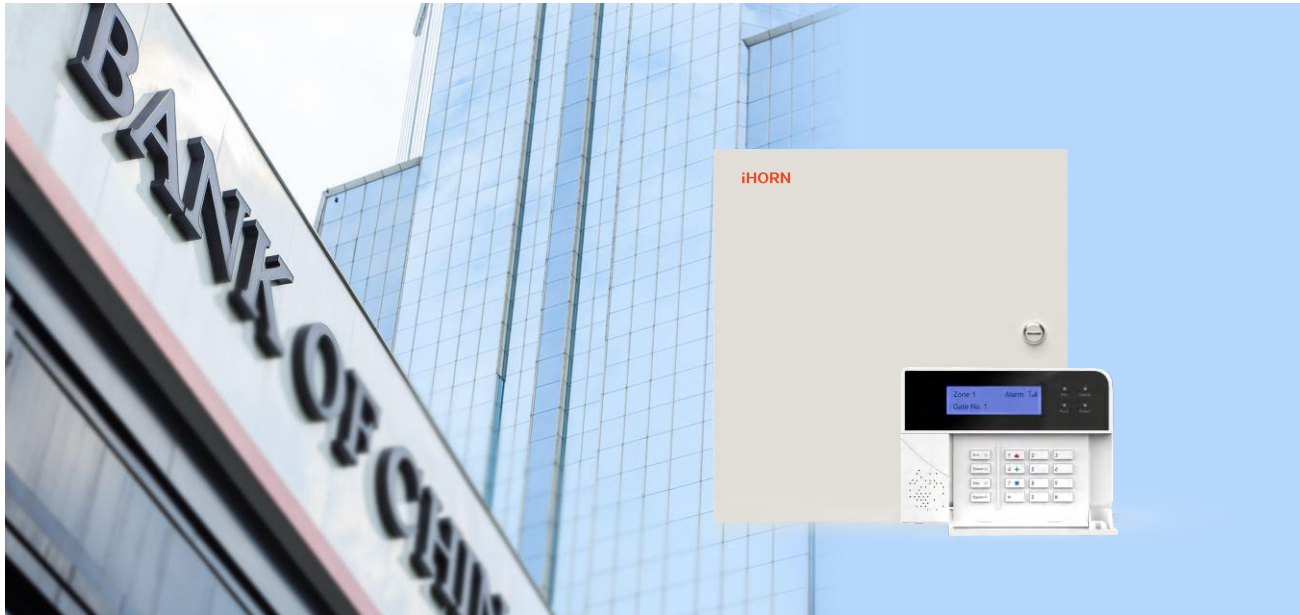


LHB9000-PSTN Pro

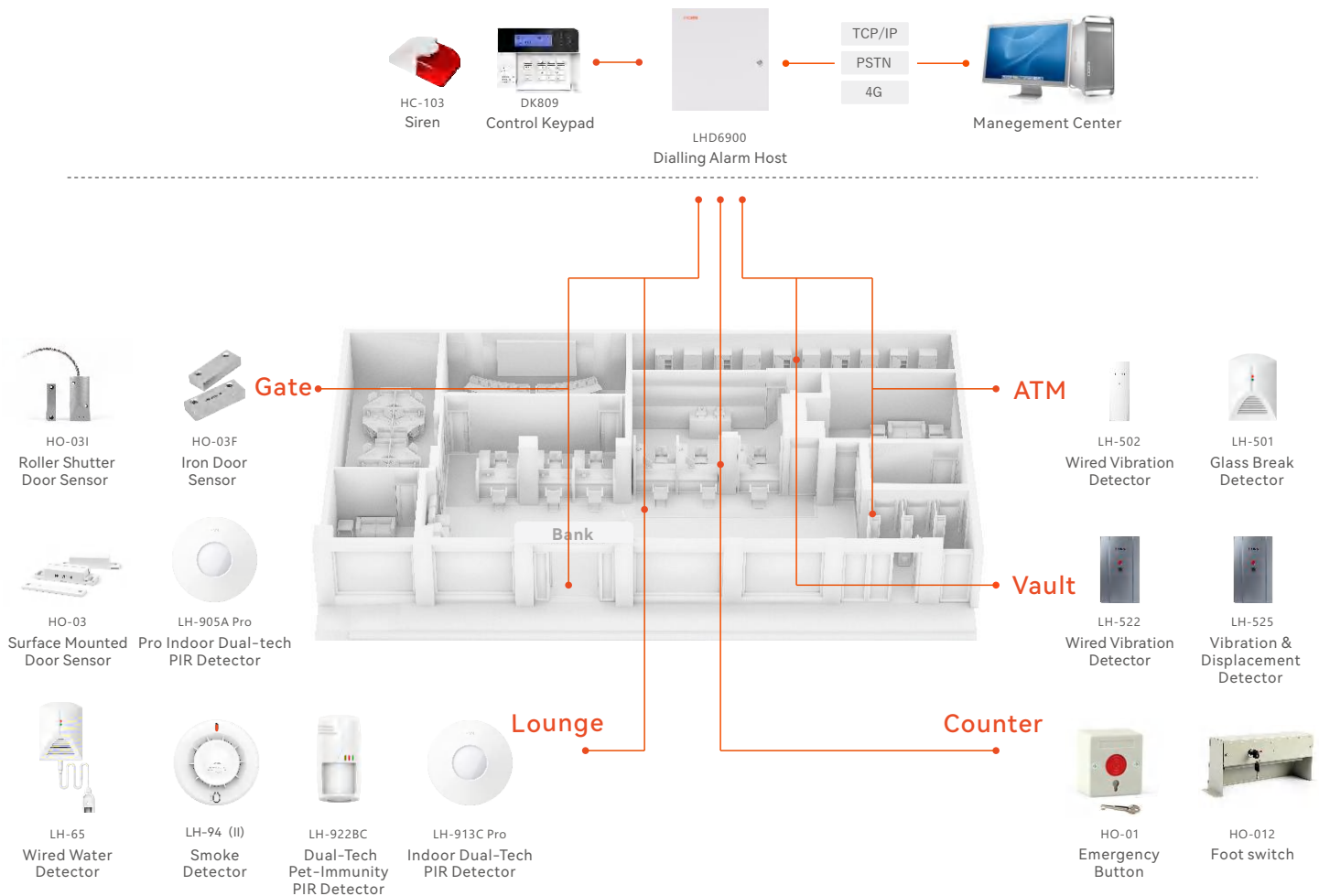
Telephone Alarm Module

- Supports communication between telephone line and alarm receiving platform
- Enables remote control of the host via telephone voice
- Built-in audio recording function
- Plug-in installation (power off before installation/removal), compatible with LHB9000 host

Dividing Line Networking Alarm Host LHD6900 (Premium Edition)



System Topology Diagram



LHD6900 Main Functions

- The new GB12663-2019 level 3 standard meets the security needs of financial institutions.
- Expandable three-grid communication design: grid, telephone line and 4G for more powerful deployment.
- 16 wired defence zones and 48 expandable defence zones for wider application scenarios.
- Innovative grid and menu-based programming for more careful debugging and operation.
- Interfaces with third-party platforms and provides free SDK development kit.
- Supports remote firmware upgrade via PC, remote import and export of configuration parameters, with batch operation design.

LHD6900 Technical Parameters

Wired Defence Zones:	16 Channels on board, Can be expanded to 48 channels
Wireless Defence Zones:	Maximum Support for 32 channels 315MHz
Wireless Remote Control:	Maximum 8
SBUS Defence Zone:	1 Channel, Support up to 32 devices
Relay Output:	4-Way, Dry contact 3A120V/AC, 3A24V/DC
Ethernet Interface:	10M/100M adaptive
4G Module:	Support
Telephone Module:	Support
Power Input:	AC220V, 0.5A, 50/60Hz
Backup Power Supply:	12V, 7AH
Total Output Power:	≤18W
Operating Temperature:	-10°C~+55°C
Operating Humidity:	10%~95%RH (non-condensing)
Product Size:	288x238.5x69.2mm

DK809 LCD Control Keypad



Main Functions

- Zoning function, single defence zone arming and disarming function.
- LCD display in English, with editable defence zone names.
- Over-voltage, over-current and lightning protection.
- The main keyboard can display and view all defence zones.
- Communication distance: 1000 metres.

Management Software



There is no need to configure a computer to use the software. The management software can be used to manage multiple host computers at the same time.

Main Functions

- Supports remote diagnostics, upgrading and configuration without on-site maintenance.
- Real-time arming/disarming, bypassing, and programming.
- Friendly programming interface interaction, using controls such as group, list, and option for easy viewing and setting.
- Automatic electronic map positioning, auto zoom, and convenient settings.
- Detailed user information management system, quick alarm processing and unprocessed alarm reporting system.
- Comprehensive database backup and recovery, detailed historical alarm data query, and easy management of duty officer's operating privileges.
- Free SDK development kit is provided for quick docking with third-party platforms.

Expansion Module



LHB9000-Z1R1

1-zone 1-relay Output Module

- Single switch output for defence zone trigger linkage (both NO/NC).
- Interface rating: DC28V 3A.
- Selectable output durations for the single relay output (5s/30s/60s/300s).
- The host can be connected to 32 defence zones, and the address is selectable from 17~48.
- The bus transmission distance is up to 1000 metres with external power supply.



LHD6900-4G

4G Module for Zone-type Network Alarm Control Panel

- Communicates with alarm receiving platform via 4G cellular network
- Remote panel control via phone voice call
- Remote panel control via SMS messages
- Plug-in installation (Cut off power before mounting/unmounting), compatible with LHD6900 panel



LHB9000-Z8(II)

8-zone Module

- The module has a total of four defence zone addresses, which require a separate external power supply.
- The host can be connected to 4 of them, with addresses from 17 to 48 selectable.
- Its defence zone number is set by its own dip switch before installation.



LHD6900-4G&PSTN

4G & PSTN Hybrid Module for Zone-type Network Alarm Control Panel

- Dual communication paths (4G + landline PSTN) linking to alarm receiving platform
- Remote panel control via phone voice call
- Remote panel control via SMS messages
- Built-in voice recording function
- Plug-in installation (Cut off power before mounting/unmounting), compatible with LHD6900 panel



LHB9000-R8(II)

8-Relay Module

- Each module is equipped with a number of independent outputs.
- It is possible to follow zone alarm outputs, follow event outputs, follow zone alarm outputs, following zone keypad outputs.
- Communication with the host: Connected to the host by the SBUS (Sector Bus). The range is up to 1000m (Rvv2×1.0).
- The host can be connected to six relay output modules with addresses from 1 to 48.



LHD6900-R4

R4 Relay Module for Zone-type Network Alarm Control Panel

- 3-channel programmable relay outputs
- Each relay rated: 3A / DC24V
- 1-RS232 printer port (Consult supplier for compatible printer models)
- Plug-in installation (Cut off power before mounting/unmounting), compatible with LHD6900 panel

Perimeter Intrusion Alarm Solution

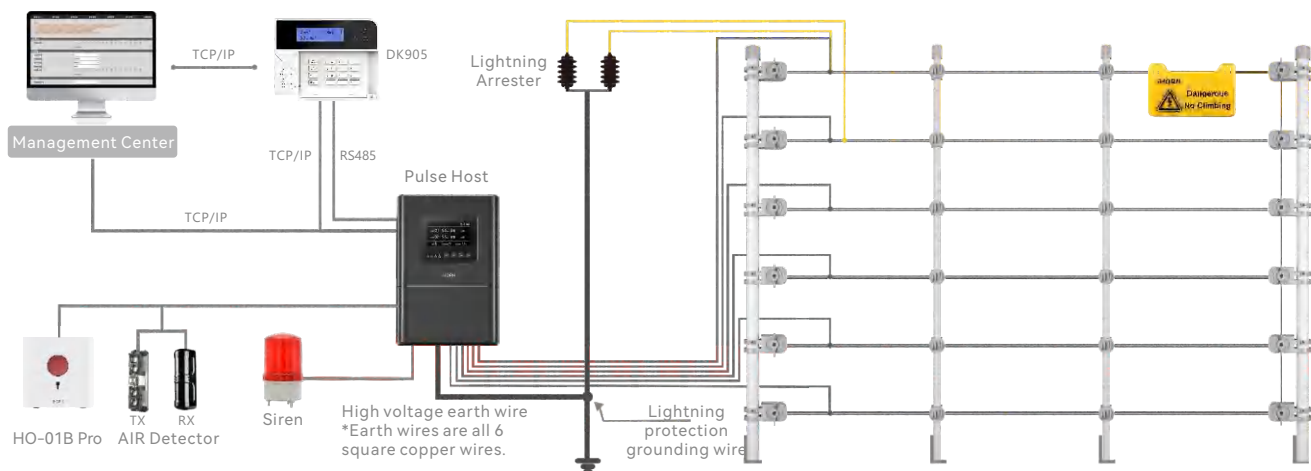
Solution

With fewer false alarms, lower maintenance costs, longer service life and higher stability, electric fencing is now the most widely used item in perimeter protection. The solution consists of management software, pulse sub-fence host, control keypad and front-end detection fence.

Application Areas

It is widely used in smart microgroups, office buildings, commercial buildings, substations, electric power plants, mining enterprises, schools, airports, hospitals, aquaculture and animal husbandry sites, file protection sites, military bases, prisons, Prisons, Detention Centres, and other places.

System Topology Diagram



Application Cases



Beijing Winter Olympics



Nanjing Museum



Railway



Power Plant



Substation



Livestock Premises



Schools



Airports



Hospitals



Smart Neighborhood

Networking Smart Pulse Electric Fence

LHW-D Pro / LHW-S Pro / LHW-D(IP) Pro / LHW-S(IP) Pro



Main Functions

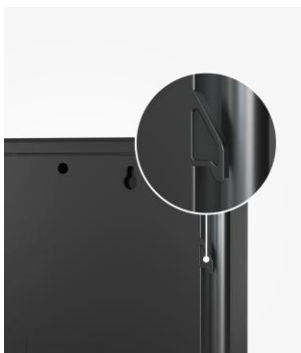
- The system is flexible: it can be used as a stand-alone system or with video and integrated alarm management system (LHB9000 Pro) to form a vertically integrated protection system.
- New appearance design, large-screen interaction is more simple.
- Multiple alarm detection options: touch grid alarm, bypass alarm (same circuit short), Short-circuit alarm, disconnection alarm, tamper alarm, switching input alarm, and automatic detection of equipment faults.
- Automatic switching between high and low voltage to minimise accidental damage caused by unintentional contact.
- The electronic fence management software can manage up to 10,000 perimeter defence zones, 500 perimeter alarm hosts and 255 network relay modules. It is equipped with electronic maps, scheduled arming and disarming, and other functions.
- Free SDK development kit is provided to quickly interface with third-party platforms.

Specification

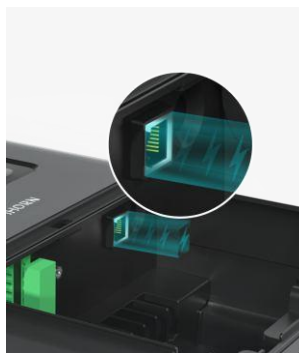
Supply Voltage:	DC18-24V
Output Pulse Voltage:	4.0-7.0KV
Peak Pulse Current:	<10A
Pulse Width:	≤0.1S
Pulse Period:	1~3S
Pulse Energy:	≤5.0J
Host Power Consumption:	<10W
Working Current:	300μA
Product Size:	347x240x110mm



Self-Grouping Network
485 addresses are automatically assigned and ready to use.



Blind Mounting Design
The host is designed with a hook and loop fastener, eliminating the need for screws.



Supports POE power supply
Built-in grid module supports POE power supply.



Highly efficient installation
Anti-hazardous cap inverted design, wire tightener manual tightening. No cutting, wiring or threading of wires at the corner.

DK905 LCD Control Keypad



- Supports 99 defence zones.
- Supports 4 keypads, keypad ID can be set: 1~4, 1 cannot be repeated.
- Supports one alarm, printer output, and one RS485 communication.
- With a web port, the alarm function can be realised through local or local grid and the Howen management software.
- Supports two web-based alarm platforms.

Management Software



The software can be used to manage multiple host computers at the same time without requiring special settings on the computer.

- Supports remote diagnostics, upgrading and configuration without on-site maintenance.
- Real-time arming/disarming, bypassing, and programming.
- Friendly programming interface interaction, using controls such as group, list, and option for easy viewing and setting.
- Automatic electronic map positioning, auto zoom, and convenient settings.
- Detailed user information management system, quick alarm processing and unprocessed alarm reporting system.
- Comprehensive database backup and recovery, detailed historical alarm data query, and easy management of duty officer's operating privileges.
- Free SDK development kit is provided for quick docking with third-party platforms.

Expansion Module



LHW-Z1R1

Single Zone Module (with 1 relay)

- Single switch output for defence zone trigger linkage (both NO/NC).
- Interface rating: DC28V 3A
- Selectable output durations for the single relay output (5s/30s/60s/300s).
- The keypad can be connected to 99 defence zones, and the defence zones are selectable from 1 to 99.
- Bus transmission distance 1000 metres when externally powered.

Model:	LHW-Z1R1
Working Voltage:	8V~16V
Current:	≤30uA
Peak Current:	10mA
Maximum Communication Distance:	1000m
Operating Temperature:	-10°C~+55°C
Humidity:	≤90%
Lightning Protection:	Built-in 1500W surge protection
Product Size:	140x20x20mm (main body), 370x20x20mm (with cable)



LHW-R8

8-Relay Module

- Each module is equipped with eight independent outputs.
- Communication with the keypad: connection to the keypad from the defence zone bus (RS485) up to 1000m.
- Follow zone alarm outputs, follow event outputs, follow zone keypad outputs.
- The keypad can be connected to 12 relay output modules, expandable from 1 to 99 outputs.

Model:	LHW-R8
Working Voltage:	DC 12V
Current:	≤350mA
Peak Current:	300mA
Maximum Communication Distance:	1000m
Operating Temperature:	-10°C~+55°C
Humidity:	≤90%
Lightning Protection:	Built-in 1500W surge protection
Product Size:	165x110x30mm



LHW-Z1R1 Pro

Networking Single Zone Module (with 1 relay)

- The control keypad can connect up to 63 devices with selectable addresses ranging from 1 to 63. It supports expansion of 63 defence zones and 63 output ports.
- Before installation, the defence zone number shall be set via the built-in DIP switch.
- It can obtain the network IP address automatically, or the IP can be configured through the management software.

Model: LHW-Z1R1 Pro

Operating Voltage: External power supply: DC12V

Operating Current: External power supply: Max50mA

Operating Temperature: -25°C~+55°C

Operating Humidity: 5%~95%RH

Product Size: 90x78x24mm



LHW-R8 Pro

Networking 8-Relay Module

- Each module has 8 relay outputs, which require separate external power supply.
- Before installation, its address code and relay output time are set by its own dip switches.
- The network IP address can be obtained automatically or set by the management software.
- The software supports connection of up to 255 eight-channel relay output modules with addresses selectable from 1 to 255, enabling expansion to 2040 output ports.

Model: LHW-R8 Pro

Operating Voltage: DC12V

Operating Current: Max 350mA

Operating Temperature: -10°C~+55°C

Humidity: 5%~95%RH

Relay Output Type: NC/NO

Relay Withstand Current: 3A 28VDC / 3A 250VAC

Product Size: 165x110x30mm

High-grade Aluminium Alloy Front End Fittings



Aluminium Composite
Terminal Pole



Straight Aluminium
Alloy Bearing Bar



Terminal Pole
Insulator



Power Pole
Insulator



Terminal Pole
Anti-Waterproof Cap



Power bar caps



Weatherproof Box



High-Voltage
lightning Arrester



Audible And
Visual Alarms



Warning Sign

Explosion-proof Detectors

Product Introduction

With a professional explosion-proof design, explosion-proof marking in accordance with national standards, and a rugged enclosure made of die-cast aluminium and explosion-proof glass, it is suitable for use in flammable and explosive environments, such as various types of dusts and liquids.

Application Areas

It can be widely used in explosive hazardous environments such as pipeline corridors, oil, chemicals, military, offshore oil platforms, fireworks, cosmetic powder factories, pharmaceuticals, and other explosive hazardous environments.



Pipeline Corridors



Oil Factory



Chemical Factory



Military Factory



Offshore Oil Platforms

Applicable Range

Explosion-proof Marking: ExdbIICT6Gb
For use in Zone 1 and Zone 2 explosive atmospheres.

Class II A: Representative propane.
Class II B: The representative substance perylene.
Class II C: The representative substance hydrogen perylene.

Explosion-proof Marking: ExtbIICT85°C Db
Can be used in explosive dust environments in Zones 21 and 22.

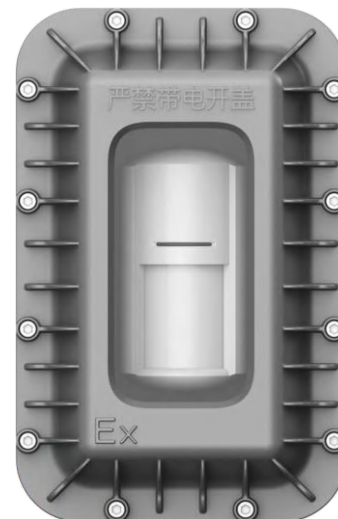
Class III A: Combustible flakes.
Class III B: Non-conductive dust.
Class III C: Electrically conductive dust.

Explosion-proof Composite Intrusion Detector LH-934IC (Ex)

- Body Insertion Monitoring (BIM) provides an early warning of body insurgency and an indication of the presence or absence of people at the scene afterwards, as well as a classification of the level of rescue.
- The housing is made of die-cast aluminium with a high-pressure electrostatic powder coating for effective protection against static electricity.
- High-strength explosion-proof glass is used for good light transmission and resistance to shock and vibration.
- The perimeter of the unit is rugged and resistant to blast pressure without damage or deformation, thanks to the use of a burlap design.
- All components are assembled in place and every detail meets explosion-proof design standards.
- Protection class IP66, fully sealed waterproof and dustproof design, no fear of external complex environments.

Specification

Operating Voltage:	9-24VDC	Microwave Detector Distance:	12 Metres
Working Current:	30mA	Overall Viewing Angle:	90°
Microwave Frequency:	10.525G	Communication Function:	Dry Contact
Installation Height:	1.5m~2.4m	Operating Humidity:	≤95%RH
RFI/EMI Resistance:	0.1-500MHz/3V/m	Sensitivity:	2 levels Adjustable
Product Performance Anti-White light:	>100000LUX	Detection Speed:	0.2m/sto 3.5m/s
Operating Temperature:	-10°C~+55°C	Signal Output:	Passive normally closed
Connection Pipe Specification:	DN25G3/4 explosion-proof flexible connection pipe	Product Size:	195x80x78.6mm
Executive Standard: GB 10408.6-2009, GB/T3836.1-2021, GB/T3836.2-2021			



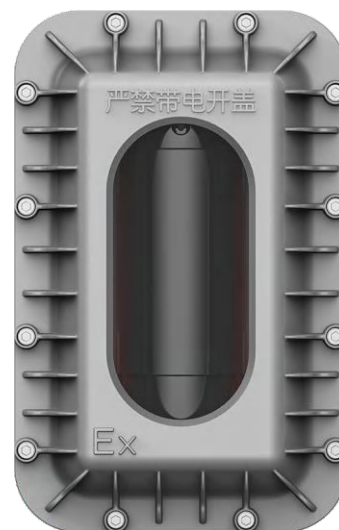
Explosion-proof Marking:
Ex db IIB+H₂ T6 Gb
Ex tb IIIC T85°C Db

Explosion-proof AIR Detector ABT-100(Ex)

- The perimeter is protected against encroachment, with a 100-metre safety distance, and the alarm will be activated when an intruder is detected.
- The housing is made of die-cast aluminium with a high-pressure electrostatic powder coating for effective protection against static electricity.
- High-strength explosion-proof glass is used for good light transmission and resistance to shock and vibration.
- The perimeter of the unit is rugged and resistant to blast pressure without damage or deformation, thanks to the use of a burlap design.
- All components are assembled in place and every detail complies with explosion-proof design standards.
- Protection class IP66, fully sealed waterproof and dustproof design, no fear of external complex environments.

Specification

Working Voltage:	DC12~24V	Anti-White light level:	6500LUX
Outdoor Detection Range:	100 Metres	Alarm Output Mode:	Normally Closed Normally Open Optional
Number Of Beams:	2 Beams	Alarm Trigger Time:	50~700msec Adjustable
Beam Frequency:	Fixed Frequency	Anti-Tamper Output Mode:	1B Contact axis out, DC30V/0.5A Max
Detection Mode:	2 Beams at the same time blocking detection	Operating Temperature:	-25C~+55C
Sensing Speed:	50~250Msec Adjustable	Working Humidity:	≤95%RH
Light Thrower Working Current:	≤75mA (at DC12V)	Light Receiver Operating Current:	≤75mA in alarm, ≤35mA in static state
Execution Standard:	GB 10408.4-2000 GB/T3836.1-2021 GB/T 3836.2-2021	Product Size:	195x80x78.6mm



Explosion-proof Marking:
Ex db IIB+H₂ T6 Gb
Ex tb IIIC T85°C Db

Explosion-proof Audible and Visual Siren HC-106(Ex)

- Acoustic and visual alarms with high-pitched sirens and flashing lights upon receipt of alarm signals.
- Composite explosion-proof structure with impact-resistant protection grid + explosion-proof glass + die-cast aluminium alloy for extra safety.
- All parts are assembled in place, and every detail meets the explosion-proof design standard.
- Protection class IP66, fully sealed waterproof and dustproof design, no fear of external complex environment.
- Adoption of industrial-grade alarm speakers with an operating alarm sound of up to 90 dB, which can present a clear sound even in noisy environments.

Specification

Working Voltage:	DC12~24V	Anti-Corrosion Grade:	WF1
Rated Power:	≤8W	Inlet Specification:	G3/4" (boom type)
Protection Grade:	IP66	Operating Temperature:	-20°C~60°C
Sound Intensity:	90dB/3m	Operating Humidity:	10%RH~90%RH
Lighting Mode:	Strobe + rotation	Wiring:	Steel pipe or cable wiring
Flashing Frequency:	150 times/min	Applicable Cable O.D.:	φ6mm~φ10mm, φ9mm~φ14mm(boom type)
Executive Standard:	GB/T3836.1-2021 GB/T3836.2-2021	Product Size:	170x170x223mm



Explosion-proof Marking:
Ex db IIC T6 Gb
Ex tb IIIC T80°C Db

Wired Detectors

Wired Smoke Detector

LH-94(II)

Main Functions

- Compliant with the latest national standard GB4715-2024 Spot-type Smoke Fire Detectors.
- Adopting anti-insect mesh design, which can effectively reduce the false alarm caused by dust and flying insects entering, and enhance the stability of the product.
- It has excellent resistance to electric/magnetic field interference, and can effectively avoid other sources of electronic interference in the room.
- Excellent craftsmanship, exquisite appearance, simple and versatile.



Wired Smoke Detector



Carbon Monoxide Detector



Model	LH-94(II)	Model	JM-LH-803
Operating Voltage:	DC10V-24V	Power Supply:	2 x AA R6 Batteries
Static Current:	≤10mA	Operating Current:	Quiescent Current <20uA, Alarm Current <50mA
Alarm Current:	≤40mA	Detecting Gas:	Carbon Monoxide
Output Form:	Relay Normally Open/Closed	Sampling Method:	Natural Diffusion
Output Contact capacity:	3A/120VAC or 3A/24VDC	Alarm Processing:	local Mute
Working Temperature:	-10℃~+55℃	Alarm Broad Value:	200PPM
Working Humidity:	<95% (No Condensation)	Range:	50PPM
Standard:	GB4715-2005	Range:	200PPM
Installation Method:	Ceiling Type	Alarm Concentration Display:	Support
Product Dimension:	φ100x42mm	Exchangeable Card Function:	Support
		Execution Standard:	GB15322.2-2019
		Installation Mode:	Table Pendulum / Wall hanging (3M and screws)
		Alarm Sound Pressure:	≥70dB@1m
		Status Indication:	Green Normal, Yellow Fault, Red alarm
		Standby Time:	3 Years
		Product Size:	111x71.5x32mm

Home Use Combustible Gas Detector

JT-LH-86 Pro

Main Functions

- Alarms for natural gas or liquefied petroleum gas leakage, ensuring safety and security.
- The exhaust fan can be activated to cut off the source of leakage in a timely manner.
- Dual calibration design and unique signal processing algorithms reduce false alarms.



Combustible Gas Detectors



Model	JT-LH-86 Pro JT-LH-86 Pro(II)	JT-LH-88UC JY-LH-88UC	JT-LH-88
Sensor Type:	Semiconductor Sensor	Semiconductor Sensor	Semiconductor Sensor
Operating Voltage:	DC12~24V/AC220V External Power Adapter	AC220V	AC220V
Detecting Gas:	Methane (Natural Gas)	Methane (Natural gas) Propane (LPG)	Methane (Natural Gas)
Linkage Output:	1 Set of Switch	1 set of 12v DC pulse	1 Set of Switch
Static Current:	≤70mA (DC12V)	—	—
Alarm Current:	<100mA (DC12V)	—	—
Working Temperature:	-10°C~+55°C	-10°C~+55°C	-10°C~+55°C
Operating Humidity:	≤95%RH	95%RH	≤95%RH
Alarm Concentration:	8% LEL, Tolerance ±3% LEL	8% LEL, Tolerance ±3% LEL	8% LEL, Tolerance ±3% LEL
Alarm Range:	0~20% LEL	0~20% LEL	0~20% LEL
Anti-EMI / RFI interference:	Resistant	Resistant	Resistant
Stability:	Alarm Concentration Error ±5% LEL	Alarm Concentration Error ±5% LEL	Alarm Concentration Error ±5% LEL
Sound Pressure:	≥70dB(1m in front)	≥70dB(1m in front)	≥70dB(1m in front)
Alarm Output:	Sound and light alarm, Normally Open/Closed	Sound and light alarm	Sound and light alarm, Normally Open / Closed
Sound & Light:	Yes	Yes	Yes
Installation:	Ceiling	Wall Mounted	Wall Mounted
Protection Level:	IP30	IP30	IP30
Standard:	GB 15322.2-2019	GB 15322.2-2019	GB 15322.2-2019
Product Dimension:	Φ100x35mm Φ86x36mm	120x88x52mm	120x88x52mm

Indoor Curtain PIR Detector

LH-915D Pro

Main Functions

- Compact and stylish appearance, can be installed in 86 box or ceiling support bracket.
- The detection angle can be adjusted from front to back within 10°, for more comprehensive protection.
- DC9~24V wide voltage design, adapt to more building systems.
- Unique concealment function and intelligent control of alarm indicator.



86-box
Mounted



Ceiling
Mounted



Indoor Curtain PIR Detector



Model	LH-915D Pro	LH-909D Pro	LH-912D Pro	LH-912E
Detection Mode:	Infrared	Infrared	Infrared	Quadratic Infrared
Lens Type:	Curtain	Curtain	Curtain	Orientation Recognition Curtain
Detection Distance And Angle:	8m/15°	8m/15°	8m/15°	8m/15°
Detectable Speed:	0.3~3m/s	0.3~3m/s	0.3~3m/s	0.3~3m/s
Installation:	Wall or Ceiling	Wall or Ceiling	Wall or Ceiling	Wall-mounted
Installation Height:	wall-mounted 2.2m ceiling-mounted 2.4~3.6m	2.2m	2.2m	2m
Working Voltage:	DC9~24V	DC9~18V	DC9~24V	DC9~16V
Working Current:	≤30mA	≤20mA	≤20mA	≤30mA
Anti-White light level:	≥6500Lux	≥6500Lux	≥6500Lux	≥6500Lux
Bi-directional Digital Temperature Compensation:	Yes	Yes	Yes	Yes
Dynamic Threshold Technology:	Yes	Yes	Yes	Yes
Artificial Intelligence Technology:	Yes	Yes	Yes	Yes
Alarm Output:	Normally Closed, Normally open optional	Normally Closed, Normally open optional	Normally Closed, Normally open optional	Normally Closed
Anti-Tamper Switch:	Normally Closed	Normally Closed	Normally Closed	Normally Closed
Alarm Delay Function:	5S	5S	5S	5S
Operating Temperature:	-10°C~+50	-10°C ~ + 50°C	-10°C ~ + 50°C	-10°C ~ + 50°C
Anti-EMI / RFI interference:	Yes	Yes	Yes	Yes
Product Size:	86x86x38.9mm for 86 box installation 73x73x59.4mm for embedded installation.	35×28×79mm	45×35×99mm	86.5×48.5×32mm

Indoor Wide-angle PIR Detector

LH-901B Pro

Main Functions

- Accurately identifying the movement of human body within 90° and 12m range.
- Self-learning, self-adjustment and self-adaptation to many harsh environments to reduce the rate of false alarms.
- Unique covert function, no need to open the case, no need to contact intelligent control of the alarm indicator light display and turn off.
- DC9-24V wide voltage design, adapt to more building systems.



Indoor Wide-angle PIR Detector



Model	LH-901B Pro	LH-905A Pro
Detection Mode:	Infrared	Infrared
Lens Type:	Wide Angle	Wide Angle
Detecting Range And Angle:	12m/90°	12m/360°
Detection Speed:	0.3~3m/s	0.3~3m/s
Installation:	Wall mounted	Ceiling
Installation Height:	2.2m	2.5~3.6m
Working Voltage:	DC9~24V	DC8~18V
Working Current:	<25mA	≤30mA
Anti-white light level:	≥6500Lux	≥6500Lux
Bidirectional Digital Temperature Compensation:	Yes	Yes
Dynamic Threshold Technology:	Yes	Yes
Artificial Intelligence Technology:	Yes	Yes
Alarm Output:	Normally Closed, Normally Open optional	Normally Closed, Normally Open optional
Anti-Tamper Switch:	Normally Closed	Normally Closed
Alarm Delay Function:	5S	5S
Operating Temperature:	-10°C~+50	-10°C ~ +50°C
Anti-EMI / RFI interference:	Yes	Available
Product Size:	45x35x99mm	Φ114.8×33.5mm

Indoor Smart Dual-tech PIR Detector

LH-913C Pro

Main Functions

- Self-developed large Fresnel lens captures infrared light emitted by human body for mobile monitoring.
- Dual detection of infrared and microwave effectively prevents false alarms and missed alarms.
- Wide-voltage design to accommodate a wide range of systems.
- Two mounting height options (2.5m, 3.6m).
- Adjustable sensitivity.



Indoor Smart Dual-tech PIR Detector



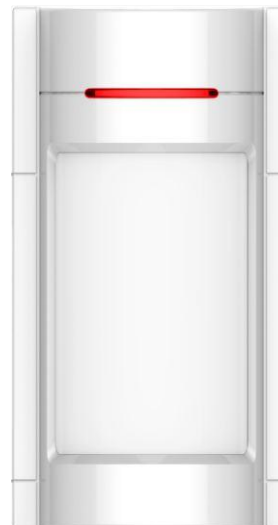
Model	LH-913C Pro	LH-922BC Pro	LH-922BC
Detection Mode:	Infrared + Microwave	Infrared + Microwave	Infrared + Microwave
Lens Type:	Wide Angle	Wide Angle	Wide Angle
Detection Distance And Angle:	8~12m/360°	18m/110°	12m/90°
Detection Speed:	0.3~3m/s	0.3~3m/s	0.3~3m/s
Installation:	Ceiling	Wall Mounting	Wall Mounting
Installation Height:	2.5~3.6m	1.8m	1.8m
Working Voltage:	DC9~18V	DC9~16V	DC9~16V
Operating Current:	≤60mA@DC12V	<25mA(DC12V)	<30mA
Pet-Immunity Rating:	----	≤35KG	≤25KG
Anti-White light level:	≥6500Lux	≥6500Lux	≥6500Lux
Two-Way Digital Temperature Compensation:	Yes	Yes	Yes
AND/OR Technology:	Yes	Yes	Yes
Dynamic Threshold Technology:	Yes	Yes	Yes
Artificial Intelligence Technology:	Yes	Yes	Yes
Alarm Output:	Normally Closed, normally Open optional	Normally Closed, Normally Open optional	Normally Closed, Normally Open optional
Anti-Tamper Switch:	Normally Closed	Normally Closed	Normally Closed
Pulse Counting:	1P, 2P Optional	1P, 2P Optional	Yes
Alarm Delay Function:	5S	5S	5S
Operating Temperature:	-10°C~+55	-10°C ~ +50°C	-10°C ~ +50°C
Microwave Frequency (GHz):	10.525	10.525	10.525
Anti-EMI / RFI Interference:	Yes	Yes	Yes
Product Size:	Φ114.8x33.5mm	130×66×53mm	120×60×46mm

Indoor Pet-Immunity PIR Detector

LH-933B(II)

Main Functions

- Dual-sensor collecting signal, prevent from misinformation effectively
- MPU signal analysis, avoid misinformation caused by pet
- Auto-temperature compensation, adapt environment changing
- Count pulse controlling the sensitivity, enhances anti-interference function
- Alarm modes optional for connecting different panel



Indoor Pet-Immunity PIR Detector



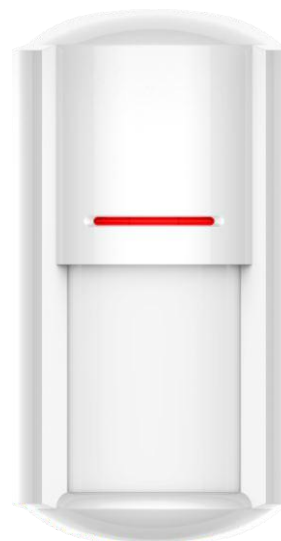
Model	LH-933B(II)
Detection Mode:	Dual PIR sensors
Lens Type:	Wide angle
Detecting Range And Angle:	12M/90°
Detection Speed:	0.3-3m/s
Installation:	Wall Mounted or Ceiling Mounted
Installation Height:	2.2M
Pet-immunity Rate:	≤25kgs
Working Voltage:	DC9-16V
Working Current:	≤25mA
Anti-white light level:	20000Lux
Bidirectional Digital Temperature Compensation:	Yes
Dynamic Threshold Technology:	Yes
Artificial Intelligence Technology:	Yes
Anti-EMI / RFI Interference:	Yes
Pulse Count:	Optional
Alarm Output:	N.C./N.O.optional,contact point capacity 28V DC,80mA
Anti-Tamper Switch:	N.C. without voltage output,contact point capacity 28VDC,100mA
Alarm Delay Function:	5S
Operating Temperature:	-10°C-+50°C
Product Size:	120×64×48.5mm

Outdoor PIR Detector

LH-934IC

Main Functions

- Dual detection technology of infrared and microwave.
- Water-resistant and waterproof design.
- Digital anti-white light technology.
- Arbitrary adjustment of angularity.



Outdoor PIR Detector



Model	LH-934IC
Detection Mode:	Infrared + Microwave
Lens Type:	Wide-Angle
Detection Distance And Angle:	12m/110°
Detectable Speed:	0.3~3m/s
Installation Mode:	Wall-Mounted
Installation Height:	2.2m
Working Voltage:	DC9~16V
Working Current:	≤30mA
Pet-immunity Grade:	—
Anti-White light level:	10000LuX
Two-Way Digital Temperature Compensation:	Yes
AND/OR Technology:	Yes
Dynamic Threshold Technology:	Yes
Artificial Intelligence Technology:	Yes
Alarm Output:	Normally Closed, Normally open optional
Anti-Tamper Switch:	Normally Closed
Pulse Counting:	Yes
Alarm Delay Function:	5S
Operating Temperature:	-10°C~+50°C
Microwave Frequency (GHz):	10.525
Anti-EMI / RFI Interference:	Yes
Product Size:	153x80x58mm

Vibration & Displacement Detector

LH-525

Main Functions

- Adopts dual detection of vibration and displacement with three intelligent working modes: Vibration only, Displacement only, Vibration + Displacement.
- 4 adjustable displacement sensitivity levels with fine-tuning from high to low to minimize false alarms.
- Dual-color LED status & energy level bar indicator.
- Dual-protection design with alarming for abrupt temperature rise and overheating.
- Continuously adjustable sensitivity; cutoff count configurable from 1 to 6 times.
- IK10-rated zinc alloy housing featuring outstanding impact resistance and anti-corrosion performance.



Vibration Displacement Detector



Model	LH-525
Operating Voltage:	DC 9V~24V
Relay Output Load:	Max. 24V/500mA
Standby Current:	≤20mA
Alarm Current:	≤35mA
Alarm Output Duration:	3 seconds
IP Rating:	IK10
Sensor Type:	Piezoelectric Ceramic (Vibration)Displacement Sensor
Operating Temperature:	-25°C~+60°C
Operating Humidity:	≤95% RH (non-condensing)
Security Grade:	Grade 2
Sensitivity:	Adjustable
Product Size:	95.5x57x25mm
Net Weight:	260g

Wired Vibration Detector

LH-522

Main Functions

- Accurate Identification: Distinguishes sabotage signal waveforms including knocking, explosion, electric drilling, impact drilling via intelligent three-level energy analysis.
- Hardcore Protection: IK10-rated zinc alloy housing featuring excellent impact resistance and corrosion resistance.
- Sudden temperature rise alarm: Alarm activates when temperature rises by 10°C within 30 seconds (initial temperature >35°C).
- Continuously adjustable sensitivity, cutoff count configurable from 1 to 6 times.
- Dual tamper & anti-drop design, built-in multiple EOL resistors (0/2.7K/4.7K/6.8K/10K).
- Dual-color LED status indicator: Clear display for standby, interference and alarm status.



Wired Vibration Detector



Model	LH-522	LH-502
Operating Voltage:	DC 9V~24V	DC 9V~24V
Standby Current:	≤10mA	≤10mA
Alarm Current:	≤11mA	≤11mA
Operating Temperature	-25°C~+50°C	-25°C~+50°C
Operating Humidity:	≤95% (non-condensing)	≤95% (non-condensing)
Sensor:	Piezoelectric Ceramic	Piezoelectric Ceramic
Alarm Output Duration:	3 seconds	3 seconds
Output Relay Load:	24V/50mA(MAX)	24V/50mA(MAX)
Safety Class:	Class II	Class II
Alarm Output:	Normally Open / Normally Closed optional	Normally Open / Normally Closed optional
Cut-off Count:	Adjustable from 1 to 6 times	Adjustable from 1 to 6 times
Sensitivity:	Continuously adjustable(clockwise rotation reduces sensitivity)	Continuously adjustable(clockwise rotation reduces sensitivity)
Tamper Protection:	Supported, built-in tamper EOL resistor	Supported, built-in tamper EOL resistor
Low Voltage Alarm:	Triggered below 8V	Triggered below 8V
LED Indicator:	Enable/Disable configurable	Enable/Disable configurable
Housing:	Zinc alloy	ABS
Dimension /Weight:	95.5x57x25mm / 260g	95x32x24mm / 34g

Wired Water Leakage Detector

LH-65

Main Functions

- Unique appearance design.
- Sound and light alarm output.
- Super anti-electromagnetic and anti-RF feature.

Model	LH-65 		
Working Voltage:	DC12~24V	Anti-Tamper Function:	Yes
Alarm Current:	≤300mA	Anti-EMI / RFI interference:	Yes
Static Current:	≤30mA	Alarm Output:	Normally Closed Normally Open Optional
Operating Temperature:	-10°C~+55	Tamper Output:	Normally closed
Installation Mode:	Wall-Mounted	Detection line length:	1800mm
Detection Mode:	Water Sensor	Product Size:	92x67x26.4mm
Detection Sensitivity:	≤500KΩ		



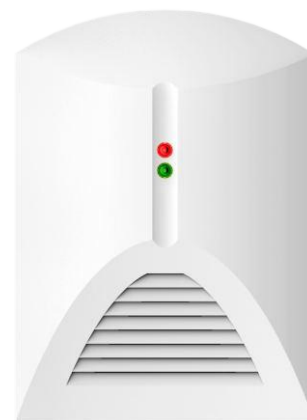
Glass Break Detector

LH-501

Main Functions

- Microprocessor used; unique test mode; alarm lockout mode available;
- High/low sensitivity selectable (high sensitivity: 9m; low sensitivity: 5m).

Model	LH-501	  	
Working Voltage:	DC9~16V	Adjustable Detection Distance:	Yes
Working Current:	≤25mA	Artificial Intelligence Technology:	Yes
Operating Temperature:	-10°C~+50	Anti-EMI / RFI Interference:	Yes
Installation:	Ceiling, Wall-Mounted	Alarm Output:	Normally Closed Normally Open Optional
Installation Position:	Adjacent to the measured glass ceiling or directly opposite the wall	Anti-Tamper Switch:	Normally closed
Anti-Tamper function:	Yes	Product Size:	92x67x26.4mm



2-Beam Digital Active Infrared Detector

ABT



Model ABT			
Type:	2-Beam Digital Active Infrared Detector	Lightning Protection:	Yes
Outdoor Detection Range:	40/60/80/100 meters range options	Frost-resistant Design:	Yes
Number of Beams:	2 beams	IP Rating:	IP55
Beam Frequency:	Fixed frequency	Anti-EMI / RFI Interference:	Yes
Detection Method:	2-beam simultaneous obstruction detection	Sight/Aiming device:	With built-in aiming function
Sensing Speed:	50-250msec adjustable	Material:	PC
Transmitter Operating Current:	20mA (at DC12V)	Optical Adjustment Angle (horizontal):	180°(+90°)
Receiver Operating Current:	≤75mA during alarm, ≤35mA in standby	Optical Adjustment Angle (vertical):	20°(+10°)
Supply Voltage:	DC12-24V	Environmental Adaptability:	Intelligent heating control
Anti- white Light Level:	6500 LUX	Other Additional Features:	Light reception indicator, OK indicator, test terminal
Alarm Output Method:	N.C/N.O optional	Operating Temperature:	-25°C~+55°C
Alarm Trigger Time:	50-700 msec adjustable	Operating Humidity:	95%
Tamper-proof Output Method:	1B contact output.DC30V/0.5A Max	Size:	195*80*78.65mm

3-Beam Digital Active Infrared Detector

ABE



Model ABE			
Type:	3-Beam Digital Active Infrared Detector	Lightning Protection:	Yes
Outdoor Detection Range:	50/100/150/200/250 meters range options	Frost-resistant Design:	Yes
Number of Beams:	3 beams	IP Rating:	IP55
Beam Frequency:	Fixed frequency	Anti-EMI / RFI Interference:	Yes
Detection Method:	3-beam simultaneous obstruction detection	Sight/Aiming device:	Detachable
Sensing Speed:	50-700msec adjustable	Material:	PC
Transmitter Operating Current:	30mA(at DC12V)	Optical Adjustment Angle (horizontal):	180°(+90°)
Receiver Operating Current:	≤45mA during alarm, ≤35mA in standby	Optical Adjustment Angle (vertical):	20°(+10°)
Supply Voltage:	DC12-24V.AC 13.8-18V	Environmental Adaptability:	Intelligent heating control
Anti- white Light Level:	6500 LUX	Other Additional Features:	Light reception indicator, OK indicator, test terminal
Alarm Output Method:	N.C/N.O optional	Operating Temperature:	-25°C~+55°C
Alarm Trigger Time:	50-700 msec adjustable	Operating Humidity:	95%
Tamper-proof Output Method:	Contact output,DC30V/0.5A Max	Size:	287*89.3*109.8mm

Alarm Accessories and Peripherals

Pull Cord Emergency Button

HO-01L



HO-01L



HO-01B Pro

- Push button & pull cord double alarm.
- IP44 protection grade.
- Minimalist design.
- 3M adhesive, 86 box installation.



Model	HO-01L	HO-01B Pro
Working Temperature:	-10℃~+55℃	-10℃~+55℃
Working Diffusion:	≤95%RH	≤95%RH
Alarm Output:	Normally Open	Normally Open/Normally Closed
Environment:	Indoor	Indoor
Installation:	Flush Mounting (into 86 bottom box)	Flush Mounted (into 86 bottom box)
Product Size(mm):	86x86x28.5	86x86x28.5

Emergency Button

Glass Break Switch



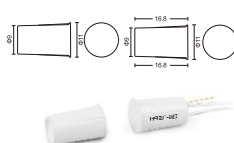
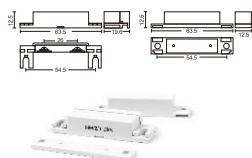
Model	HO-01	HO-012 (Banking System)	HF-911
Shell Material:	ABS	Metal	ABS
Working Voltage(V/DC):	≤250	≤250	≤250
Operating Current (mA):	≤300	≤300	100mA
Contact Mode(NC\NO):	Normally Open/ Closed	Normally Open/ Closed	Normally Open/Closed
Packing Number(pcs):	216	10	100
Gross Weight(kg):	8.8	13	13.5
Dimension(mm):	53.5x49.5x32.5	333x88x145	86x86x55

Door Sensor

Surface Mounted Door Sensor

Embedded Door Sensor

Roller Shutter Door Sensor

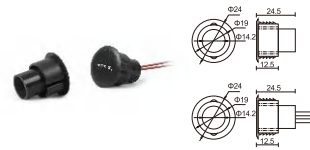
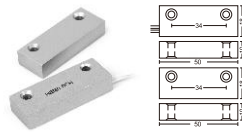


Model	HO-03	HO-03C	HO-03I
Shell Material:	ABS	ABS	Metal Plating
Working Voltage(V/DC):	≤100	≤100	≤100
Working Current(mA):	≤500	≤500	≤500
Contact Mode (NC\NO):	Normally Closed	Normally Closed	Normally Closed
Operating Distance(mm):	≥20	≥20	≥65
Installation Mode:	Surface Mounting	Embedded	Screw Mounting
Packing Number:	400	800	40
Gross Weight(kg):	11.5	7.5	9.1
Dimension(mm):	63.5×12.5×19.6 (main unit) 63.5×12.5×12.5 (sub unit)		108×40×8 (main unit) 88×20×21 (sub unit)

Door Sensor

Iron Door Sensor

Iron Door Sensor



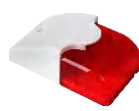
Model	HO-03F  	HO-03L  
Shell Material:	Metal Plating	PP
Working Voltage:	≤100	≤100
Working Current:	≤500 mA	≤500 mA
Contact Mode :	Normally Closed	Normally Closed
Operating Distance:	≥40 mm	≥40 mm
Installation Mode:	Screw Mounting	Embedded
Packing Number:	200	300
Gross Weight:	11.8 kg	6.7 kg
Dimension :	50×18×10mm (sub unit same size as main unit)	Φ24×24.5mm (sub unit same size as main unit)

Siren

Sound & Light Siren

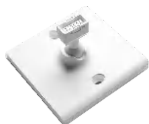
Siren

Warning Light



Model	HC-103 	HC-626-320	LHW-SGBJD	HC-05 	HC-06
Rated Working Voltage:	12V	12V	12V	DC12V	Material: ABS Body, PC Lens
Operating Voltage Range:	9 ~ 15V	9 ~ 15V	9 ~ 15V	9 ~ 15V	Operating Voltage: DC12V
Operating Current Range:	≤300mA	200 ~ 400mA	200 ~ 400mA	≤200mA	Current: <300mA
Operating Temperature:	-20 ~ +60°C	-20 ~ +60°C	-20 ~ +70°C	-20 ~ +60°C	Operating Temperature: -20°C~60°C
Sound Pressure :	≥105dB/m	≥105dB/m	≥85dB/m	--	Trigger Input: RS-485 Protocols
Continuous Working Time:	≥45min DC12V	≥45min DC12V	≥45min DC12V	≥5H DC12V	Size: 120.8×90.8×57mm
Number Of Flashing lights:	200±30 min	--	90-120	150 min	
Packing Number(PCS):	80 pcs	40 pcs	50 pcs	100 pcs	
Gross Weight:	11.2 kg	17 kg	18.52kg	10.6 kg	
Product Size:	124.6×73×48.2 mm	103×100×100.5 mm	Φ172×95.2mm	Φ70×48mm	

Detector Bracket



HO-021 Pro	HO-021C Pro	HO-021C	HO-021	HO-021H
LH-909D Pro	LH-909D Pro	LH-901 series	LH-901	LH-934
LH-912D Pro	LH-912D Pro	LH-933 series	LH-910	
LH-901B Pro	LH-901B Pro	LH-912 series	LH-912	
		LH-914 series	LH-914	
		LH-926 series	LH-926	

iHORN

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