

LONGSIN®

Intrusion alarm system
products catalog



LONGSIN SHENZHEN LONGSIN INTELLIGENCE TECHNOLOGY CO.,LTD.

Add: Building 2, Kaijieda Industrial zone, Huachang Rd, Dalang Str, Longhua, Baoan District, Shenzhen, China

Tel: +86-755-26643833-614

Whatapp: +8618924610073

Email: detector@longsin.cn

About Us

Established in 2002, Shenzhen Longsin Intelligence Technology Co., Ltd. is a high-tech enterprise specializing in the whole process of research, development, manufacture and marketing of two main categories of products. Our product categories include Security System Products (Infrared/Gas/Smoke Detectors, Battery/Electronic/Mic/Piezo Sirens, Magnetic Switches, Emergency Buttons, Fire Alarms, CCTV Cameras and Alarm Lamps), and Auto Security Products (Sirens and Alarm Lamps). In addition, we also provide ODM/OEM services to meet your special requirements with steady annual growth and rational expansion.

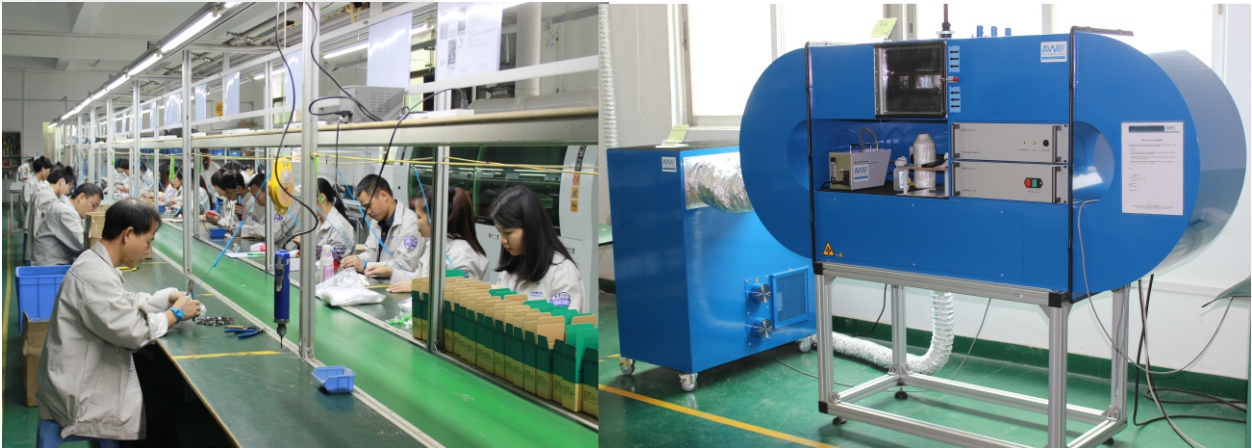
We are strongly dedicated to manufacturing products of excellent quality to meet and surpass customers' requirements. To ensure a steady and sustainable growth, Longsin constantly uses advanced international management from overseas countries and trains Longsin staff well. Longsin attained ISO9002 certificate of TUV Germany in 2003. We also successfully obtained ISO9001:2000 and QS9000 certificates of BSI (British) in October, 2005. Meanwhile, Longsin intelligent technology has been granted safety approvals for electrical appliance by testing laboratories, including CCC and CE, all of which have brought us more opportunities and competitive advantages in both domestic and abroad markets.

Our company offers competitive products with excellent services at cheap prices and aims to take building harmonious society and safe city as our own duty. We adhere to three principles of "sincerity, win-win, and development". We welcome all of our domestic and international friends to visit our company for negotiation and cooperation. We are looking forward to seeing you in the near future. Let's develop together.

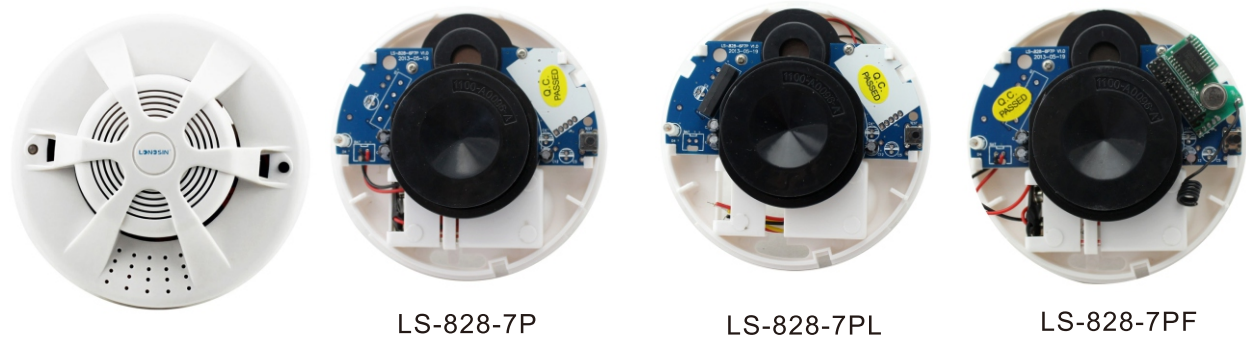


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03/04 Smoke Detector



Main Features:

Model	Photoelectric	Interconnected (Wired)	Dual Voltage	Standalone	Wireless	Wired	Indicator
LS-828-7P	✓	✓	—	✓	—	—	✓
LS-828-7PF	✓	—	—	—	✓	—	✓
LS-828-7L-2	✓	—	—	✓	—	✓	✓

Technical Parameters:

Model	Operating voltage	Alarm current	Standby	Transmitting Frequency	SPL
LS-828-7P	9V Battery	≤15mA	≤20uA	315MHz & 433 MHz	≥85db(1m)
LS-828-7PF	9V Battery	≤15mA	≤20uA	315MHz & 433 MHz	≥85db(1m)
LS-828-7L-2	DC9~35V	≤35mA	≤55uA	315MHz & 433 MHz	≥85db(1m)



Main Features:

Model	Photoelectric	Standalone	Indicator	Ionization
LS-828-9P	✓	✓	✓	—
LS-828-9AD	—	✓	✓	—

Technical Parameters:

Model	Operating voltage	Alarm current	Standby	Sensitivity	SPL
LS-828-9P	DC9V	≤12mA	≤20uA	2.06%ft ±1.3%ft	≥85db(3m)
LS-828-9AD	DC9V&AC110-220V	≤10mA	≤10uA	2.06%ft ±1.3%ft	≥85db(3m)

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Main Features:

Model	Wired	Standalone	Wireless	Photoelectric	Ionization	Relay output	Indicator
LS-828-3P	—	✓	—	✓	—	—	✓
LS-828-3PF	—	—	✓	✓	—	—	✓
LS-828-3IL	✓	—	—	—	✓	✓	✓
LS-828-3I	—	✓	—	—	✓	—	✓

Technical Parameters:

Model	Operating voltage	Alarm current	Standby	Operating Humidity	SPL
LS-828-3P	DC9V	≤15mA	≤20uA	-10~+50	≥85db (3m)
LS-828-3PF	DC9V	≤15mA	≤20uA	-10~+50	≥85db (3m)
LS-828-3IL	DC12V	≤10mA	≤20uA	-10~+50	≥85db (3m)
LS-828-3I	DC9V	≤15mA	≤20uA	-10~+50	≥85db (3m)



Main Features:

Model	Photoelectric	Standalone	Indicator	Ionization
LS-828-10P	✓	✓	✓	—
LS-828-10AD	—	✓	✓	—

Technical Parameters:

Model	Operating voltage	Alarm current	Standby	Sensitivity	SPL
LS-828-10P	DC9V	≤12mA	≤20uA	2.06%ft ±1.3%ft	≥85db (3m)
LS-828-10AD	DC9V&AC110-220V	≤10mA	≤10uA	2.06%ft ±1.3%ft	≥85db (3m)

05/06 Smoke Detector

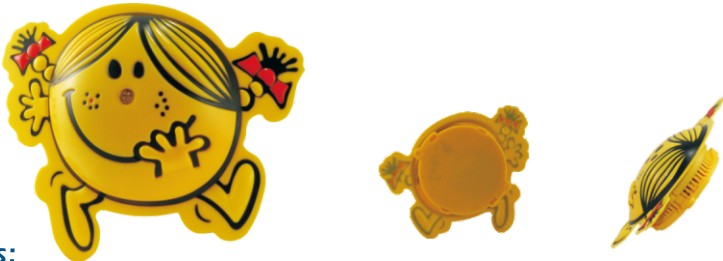


Main Features:

Model	Photoelectric	Standalone	Indicator	Auto-reset	Sound and Flash
LS-828-11PT	✓	✓	✓	✓	✓

Technical Parameters:

Model	Operating voltage	Alarm current	Standby	Operating temperature	Sensitivity	SPL
LS-828-11PT	Ten years Battery	≤15mA	≤10uA	-10~+50	2.06%ft ±1.3%ft	≥85db(1m)



Main Features:

Model	Photoelectric	Standalone	Indicator	Sound and Flash
LS-828-12PT	✓	✓	✓	✓

Technical Parameters:

Model	Operating voltage	Alarm current	Standby	Operating temperature	Sensitivity	Detecting Area
LS-828-12PT	3V	≤60mA	≤10uA	-10~+50	2.06%ft ±1.3%ft	20 square meter



Main Features:

Model	Photoelectric	Standalone	Indicator	Sound and Flash
LS-828-13PT	✓	✓	✓	✓

Technical Parameters:

Model	Operating voltage	Alarm current	Standby	Operating temperature	Sensitivity	Detecting Area
LS-828-13PT	3V	≤60mA	≤10uA	-10~+50	2.06%ft ±1.3%ft	20 square meter

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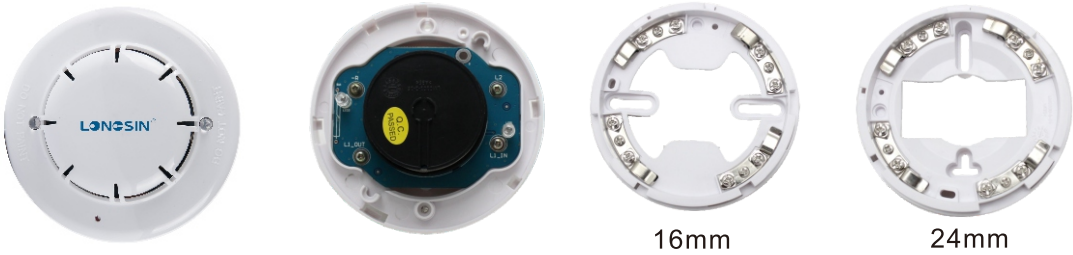


Main Features:

Model	Photoelectric	Dual Voltage	Standalone	Interconnected	Wireless	Wired	Sound and Flash
LS-828-14AD	✓	✓	✓	✓	—	—	✓
LS-828-14P	✓	—	✓	✓	—	—	✓
LS-828-14PF	✓	—	—	—	✓	—	✓
LS-828-14L	✓	—	—	—	—	✓	✓

Technical Parameters:

Model	Operating voltage	Alarm current	Standby	Sensitivity	SPL
LS-828-14AD	AC110V&220V	≤12mA	≤10uA	2.06%ft ±1.3%ft	≥85db(1m)
LS-828-14P	DC9V	≤12mA	≤10uA	2.06%ft ±1.3%ft	≥85db(1m)
LS-828-14PF	DC9V	≤15mA	≤20uA	2.06%ft ±1.3%ft	≥85db(1m)
LS-828-14L	DC12V&AC220V	≤15mA	≤2mA	2.06%ft ±1.3%ft	≥85db(1m)



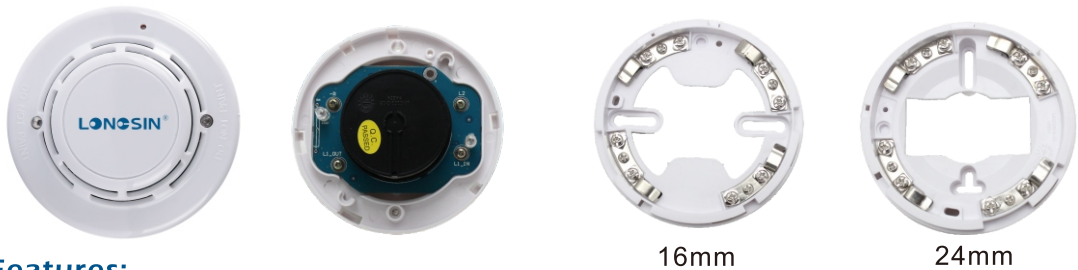
Main Features:

Model	Photoelectric	Relay output	Indicator	2-wired	4-wired	Network
LS-828-16L-2	✓	✓	✓	✓	—	✓
LS-828-16L-4	✓	✓	✓	—	✓	✓

Technical Parameters:

Model	Operating voltage	9V Static current	24V Static current	9V Alarm current	24V Alarm current
LS-828-16L-2	9-35V DC	55uA	55uA	10~60mA	10~60mA
LS-828-16L-4	5.5-13V DC	55uA	55uA	<35mA	<35mA

07/08 Smoke Detector



Main Features:

Model	Photoelectric	Relay output	Indicator	2-wired	4-wired	Network
LS-828-17L-2	✓	✓	✓	✓	—	✓
LS-828-17L-4	✓	✓	✓	—	✓	✓

Technical Parameters:

Model	Operating voltage	9V Static current	24V Static current	9V Alarm current	24V Alarm current
LS-828-17L-2	DC 9-35V	55uA	55uA	10~60mA	10~60mA
LS-828-17L-4	DC 5.5-13V	55uA	55uA	<35mA	<35mA



Main Features:

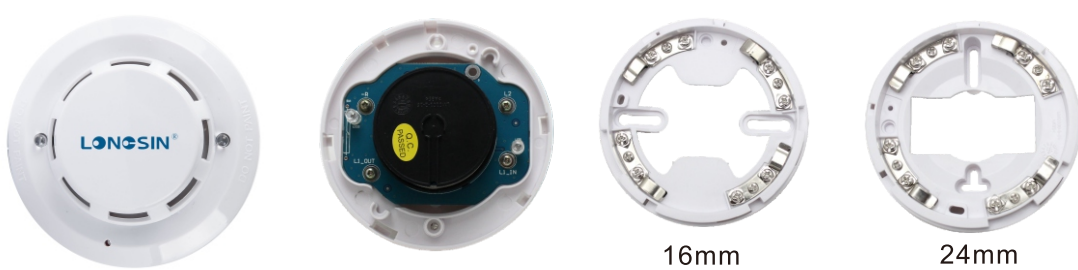
Model	Photoelectric	Relay output	Indicator	2-wired	4-wired	Network
LS-828-18L-2	✓	✓	✓	✓	—	✓
LS-828-18L-4	✓	✓	✓	—	✓	✓

Technical Parameters:

Model	Operating voltage	9V Static current	24V Static current	9V Alarm current	24V Alarm current
LS-828-18L-2	DC 9-35V	55uA	55uA	10~60mA	10~60mA
LS-828-18L-4	DC 5.5-13V	55uA	55uA	<35mA	<35mA



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Main Features:

Model	Photoelectric	Relay output	Indicator	2-wired	4-wired	Network
LS-828-19L-2	✓	✓	✓	✓	—	✓
LS-828-19L-4	✓	✓	✓	—	✓	✓

Technical Parameters:

Model	Operating voltage	9V Static current	24V Static current	9V Alarm current	24V Alarm current
LS-828-19L-2	DC 9-35V	55uA	55uA	10~60mA	10~60mA
LS-828-19L-4	DC 5.5-13V	55uA	55uA	<35mA	<35mA

Fire flame detector



UV fire flame detector

LS-829-1

- 1.Operating voltage:DC3V battery
- 2.Operating temperature : 0℃ ~+60℃
- 3.Installation means: wall-mounted or table mounted
- 4. Humidity: 0%-80%RH
- 5. Wireless kind
- 6.Transmitting distance without block:200m
- 7.Emission frequency:433

09/10 Gas leakage Detector



Electromagnetic valve

Main Features:

Model	Wall-mounted	Standalone	Wired	Wireless	Indicator	Relay output
LS-838-1U	✓	✓	—	—	✓	—
LS-838-1UF	✓	✓	—	✓	✓	—
LS-838-1L	✓	—	✓	—	✓	✓
LS-838-1F	✓	—	—	✓	✓	—
LS-838-1UC	✓	✓	—	—	✓	—

Technical Parameters:

Model	Operating voltage	Alarm current	Standby	SPL	Sensitivity
LS-838-1U	85V--265V	≤100mA	≤90mA	≥85db (1m)	10%LEL
LS-838-1UF	85V--265V	≤100mA	≤90mA	≥85db (1m)	10%LEL
LS-838-1L	12V	≤100mA	≤50mA	≥85db (1m)	10%LEL
LS-838-1F	12V	≤80mA	≤50mA	≥85db (1m)	10%LEL
LS-838-1UC	85V--265V	≤80mA	≤50mA	≥85db (1m)	10%LEL



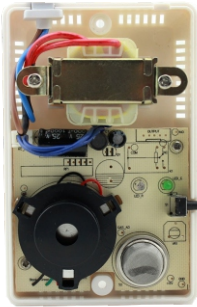
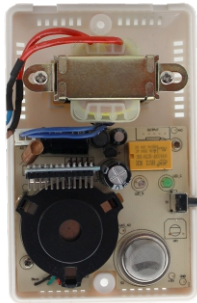
Main Features:

Model	Wall-mounted	Standalone	Wired	Wireless	Indicator	Relay output
LS-838-3L	✓	—	✓	—	✓	✓

Technical Parameters:

Model	Operating voltage	Alarm current	Static current	SPL	Sensitivity
LS-838-3L	12V&220V	≤100mA	≤50 mA	≥85db(1m)	10% LEL

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Electromagnetic valve

Main Features:

Model	Wall-mounted	Standalone	Wired	Wireless	Indicator	Relay output
LS-838-2U	✓	✓	—	—	✓	—
LS-838-2UF	✓	✓	—	✓	✓	—
LS-838-2L	✓	—	✓	—	✓	✓
LS-838-2F	✓	—	—	✓	✓	—
LS-838-2UC	✓	✓	—	—	✓	—

Technical Parameters:

Model	Operating voltage	Alarm current	Static current	SPL	Sensitivity
LS-838-2U	85V--265V	≤100mA	≤90mA	≥85db (1m)	10%LEL
LS-838-2UF	85V--265V	≤100mA	≤90mA	≥85db (1m)	10%LEL
LS-838-2L	12V	≤100mA	≤50mA	≥85db (1m)	10%LEL
LS-838-2F	12V	≤80mA	≤50mA	≥85db (1m)	10%LEL
LS-838-2UC	85V--265V	≤80mA	≤50mA	≥85db (1m)	10%LEL



Electromagnetic valve

Main Features:

Model	Wired	Indicator	Relay output	Celling mounting	Network output
LS-838-10UL	✓	✓	✓	✓	✓

Technical Parameters:

Model	Operating voltage	Alarm current	Standby	SPL	Sensitivity
LS-838-10UL	AC85--265V	≤120 mA	≤100 mA	≥85db(1m)	10% LEL

11/12 Gas leakage Detector



Main Features:

Model	Wall-mounted	Pluggable	Standalone	Sensor malfunction warning	LED indicated	LCD display	Sound warning	Temperature display	Wireless	Solenoid valve	Relay output
LS-838-11-EGSTY-U	✓	✓	✓	✓	✓	✓	✓	✓	—	—	—
LS-838-11-EFGTY-U	✓	✓	—	✓	✓	✓	✓	✓	✓	—	—
LS-838-11-EGLTY-U	✓	✓	—	✓	✓	✓	✓	✓	—	—	✓
LS-838-11-EGTVY-U	✓	✓	—	✓	✓	✓	✓	✓	—	✓	—
LS-838-11-EFGTVY-U	✓	✓	—	✓	✓	✓	✓	✓	✓	✓	—
LS-838-11-EGLTVY-U	✓	✓	—	✓	✓	✓	✓	✓	—	✓	✓

Technical Parameters:

Model	Operating voltage	Power Dissipation For Alarm	Power Dissipation For Standby	Alarm level(GAS)	Operating Temperature	Humidity	SPL
LS-838-11-EGSTY-U	AC110-230V, 50-60Hz	≤3W	≤2W	10%LEL	0-50℃	5%-95%RH	≥85db(1m)
LS-838-11-EFGTY-U	AC110-230V, 50-60Hz	≤3W	≤2W	10%LEL	0-50℃	5%-95%RH	≥85db(1m)
LS-838-11-EGLTY-U	AC110-230V, 50-60Hz	≤3W	≤2W	10%LEL	0-50℃	5%-95%RH	≥85db(1m)
LS-838-11-EGTVY-U	AC110-230V, 50-60Hz	≤3W	≤2W	10%LEL	0-50℃	5%-95%RH	≥85db(1m)
LS-838-11-EFGTVY-U	AC110-230V, 50-60Hz	≤3W	≤2W	10%LEL	0-50℃	5%-95%RH	≥85db(1m)
LS-838-11-EGLTVY-U	AC110-230V, 50-60Hz	≤3W	≤2W	10%LEL	0-50℃	5%-95%RH	≥85db(1m)



Electromagnetic valve

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LS-838-14U

LS-838-14UF

Main Features:

Model	Wall-mounted	Standalone	Wired	Wireless	Indicator	Relay output
LS-838-14U	✓	✓	—	—	✓	—
LS-838-14UF	✓	—	—	✓	✓	—
LS-838-14L	✓	—	✓	—	✓	✓
LS-838-14F	✓	—	—	✓	✓	—
LS-838-14UC	✓	—	✓	—	✓	✓
LS-838-14ULC	✓	—	✓	—	✓	✓

Technical Parameters:

Model	Operating voltage	Alarm current	Static current	SPL	Sensitivity
LS-838-14U	85V--265V	≤100mA	≤90 mA	≥85db(1m)	10% LEL
LS-838-14UF	85V -- 265V	≤100mA	≤90 mA	≥85db(1m)	10% LEL
LS-838-14L	12V	≤100mA	≤50 mA	≥85db(1m)	10% LEL
LS-838-14F	12V	≤80mA	≤50 mA	≥85db(1m)	10% LEL
LS-838-14UC	85V-- 265V	≤80mA	≤50 mA	≥85db(1m)	10% LEL
LS-838-14ULC	85V--265V	≤80mA	≤50 mA	≥85db(1m)	10% LEL



16mm

24mm

Main Features:

Model	Wired	Indicator	Relay output	Celling mounting	Network output
LS-838-16L	✓	✓	✓	✓	✓
LS-838-16F	✓	✓	✓	✓	✓
LS-838-16FC	✓	✓	✓	✓	✓

Technical Parameters:

Model	Operating voltage	Alarm current	Standby	SPL	Sensitivity
LS-838-16L	DC12V~24V	≤120 mA	≤100 mA	≥85db(1m)	10% LEL
LS-838-16F	DC12V~24V	≤120mA	≤100mA	≥85db (1m)	10%LEL
LS-838-16FC	DC12V~24V	≤120mA	≤100mA	≥85db (1m)	10%LEL

13/14 Gas leakage Detector



16mm



24mm

Main Features:

Model	Wired	Indicator	Relay output	Celling mounting	Network output
LS-838-17L	✓	✓	✓	✓	✓
LS-838-17F	✓	✓	✓	✓	✓
LS-838-17FC	✓	✓	✓	✓	✓

Technical Parameters:

Model	Operating voltage	Alarm current	Standby	SPL	Sensitivity
LS-838-17L	DC12V~24V	≤120 mA	≤100 mA	≥85db(1m)	10% LEL
LS-838-17F	DC12V~24V	≤120mA	≤100mA	≥85db (1m)	10%LEL
LS-838-17FC	DC12V~24V	≤120mA	≤100mA	≥85db (1m)	10%LEL



16mm



24mm

Main Features:

Model	Wired	Indicator	Relay output	Celling mounting	Network output
LS-838-19L	✓	✓	✓	✓	✓
LS-838-19F	✓	✓	✓	✓	✓
LS-838-19FC	✓	✓	✓	✓	✓

Technical Parameters:

Model	Operating voltage	Alarm current	Standby	SPL	Sensitivity
LS-838-19L	DC12V-24V	≤120 mA	≤100 mA	≥85db(1m)	10% LEL
LS-838-19F	DC12V~24V	≤120mA	≤100mA	≥85db (1m)	10%LEL
LS-838-19FC	DC12V~24V	≤120mA	≤100mA	≥85db (1m)	10%LEL



Water leakage sensor



LS-839-1

Main Feature:

- 1.Operating voltage:DC3V battery
- 2.Operating temperature : 0℃ ~+60℃
- 3.Installation means: wall-mounted or table mounted
- 4. Humidity: 0%-80%RH
- 5. Wireless kind
- 6.Transmitting distance without block:200m
- 7.Emission frequency:433



Vibration Detector



LS-848-1

Main Feature:

- 1.Working voltage: 12V
- 2.Standby current: ≤10uA
- 3.Alarm current: <40mA
- 4.Alarm output: wireless signal output, red led light on
- 5.Alarm output time: 3''
- 6.Alarm interval: 5''
- 7.Wireless frequency: 315M/433M
- 8.Encoding: 2262/1527
- 9.Oscillation resistance: read the manual
- 10.Wireless distance: 150m

15/16

Carbon Monoxide Detector



Main Features:

Model	Carbon Monoxide	Networking	Relay Output	Indicator
LS-858-1L	✓	✓	✓	✓

Technical Parameters:

Model	Working Voltage	Alarm Sensitivity	Alarm Current	SPL	Static Current
LS-858-1L	DC9-16V	200ppm	≤100mA	≥85db	≤90mA

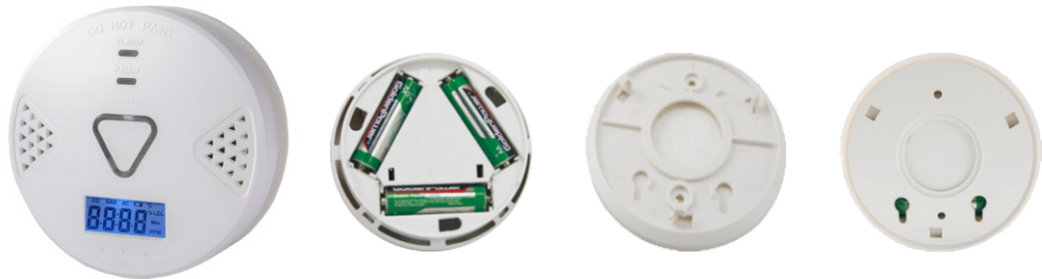


Main Features:

Model	Carbon Monoxide	Networking	Relay Output	Indicator
LS-858-4P	✓	✓	—	✓

Technical Parameters:

Model	Working Voltage	Alarm Sensitivity	Alarm Current	SPL	Static Current
LS-858-4P	DC4.5V	200PPM	520mA	≥85db	≤90mA



Main Features:

Model	Carbon Monoxide	Networking	Relay Output	Indicator
LS-858-5	✓	✓	—	✓

Technical Parameters:

Model	Working Voltage	Alarm Sensitivity	Alarm Current	SPL	Static Current
LS-858-5	DC4.5V	200PPM	520mA	≥85db	≤90mA

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Main Features:

Model	CO detector	Relay output	Standalone	Indicator
LS-858-9P	✓	—	✓	✓

Technical Parameters:

Model	Operating voltage	Standard	Alarm current	Standby	SPL
LS-858-9P	DC 9V	EN 50291	≤18mA	≤10uA	>85dB



Main Features:

Model	CO detector	Relay output	Standalone	Indicator
LS-858-14P	✓	—	✓	✓

Technical Parameters:

Model	Operating voltage	Standard	Alarm current	Standby	SPL
LS-858-14P	DC 9V	EN 50291	≤18mA	≤10uA	>85dB



17/18 PIR Detector



Main Features:

Model	Conventional	Intelligence	Wireless	Wired	Indicator
LS-818-1	✓	—	—	✓	✓

Technical Parameters:

Model	Operating voltage	Detecting angle	Alarm current	Standby	Detecting distance	Installation	Mounting height
LS-818-1	DC12V	110°	≤20mA (NO)	≤5mA (NO)	8~12m	Wall-mounted	1.7m-2.5m



Main Features:

Model	Conventional	Intelligence	Wireless	Wired	Indication
LS-818-3F	✓	—	✓	—	✓

Technical Parameters:

Model	Operating voltage	Detecting angle	Alarm current	Standby	Detecting distance	Installation	Mounting height
LS-818-3F	DC3V	110°	≤20mA	≤50UA	8~12m	Wall-mounted	1.7m-2.5m

Active infrared detector



Main Features:

Model	Conventional	Wireless	Standalone	Indicator
LS-808-1	✓	✓	✓	✓

Technical Parameters:

Model	Operating voltage	Operating current	Frequency	Wave length	Max Load
LS-808-1	DC12V~24V	Receive:15mA Launch:30mA	1.92KHz	940nm	1A36V

Sharing intelligent life



Main Features:

Model	Conventional	Intelligence	Wireless	Wired	Indicator
LS-818-5F	✓	—	✓	—	✓

Technical Parameters:

Model	Operating voltage	Detecting angle	Alarm current	Standby	Detecting distance	Installation	Mounting height
LS-818-5F	DC9V	110°	≤20mA	≤50um	8~12m	Wall-mounted	1.7m-2.5m



LS-818-8D LS-818-8F

Main Features:

Model	Direction identify	Wired curtain	Wireless	Indicator	Relay output
LS-818-8D	—	✓	—	✓	✓
LS-818-8E	✓	✓	—	✓	✓
LS-818-8F	—	—	✓	✓	—

Technical Parameters:

Model	Operating voltage	Detecting angle	Alarm current	Standby	Mounting height	Installation	Detecting distance
LS-818-8D	DC12V	15°	<20mA	<5mA	2m	Ceiling	9m
LS-818-8E	DC12V	15°	<20mA	<5mA	1.7m-2.5m	Ceiling	9m
LS-818-8F	3V Battery	15°	≤10mA	≤50UA	1.7m-2.5m	Ceiling	9m