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HEIMAN

Security Products Catalogue

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HEIMAN Security Products Catalogue



Heiman Technology Co., Ltd

www.heimantech.com



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PROFILE

Heiman Technology Co.,Ltd is a high-tech enterprise, specializing in R&D, manufacture and distribution of security anti-theft electronic products and fire alarm electronic products. The company owns more than 6000 square meters manufacture workshop and office space, equipped with sophisticated modern manufacture and test machinery. Now Heiman has over 300 employees, including the most professional R&D engineers in China and well-educated management with foresights and years' security experience.

Heiman products have been distributed to over 30 provinces, municipalities and autonomous regions in China as well as to more than 10 foreign countries worldwide. Main products are anti-theft controller (various wired / wireless alarm systems), detectors (PIR detector, smoke detector, gas leak detector), anti-theft accessories (magnetic switch, emergency button, siren, alarm lamp etc). Heiman owns two trademarks "HEIMAN" and "海曼". The company implemented ISO9001 standard management. All main components were selected from reputed overseas branded products to ensure high quality. Heiman is featured by quick R&D of new products, short manufacture period and good value for money business as well as prompt delivery arrangement.

Heiman always insists on that, "focus on customer; oriented with meeting customer's needs; targeted with providing satisfactory products and services to customer". Heiman aims to establish stable, active and long term relations with customer on the basis of mutual trust and win-win business. In order to keep pace with customer's needs, Heiman not only dedicates to keeping improving products quality and offering competitive prices with good value, but also focuses on pre-sale service and after-sale service, as well as takes customer's feedback and provides perfect solutions. Hence we always make improvements via solving practical problems feedbacked from markets.

Heiman always values cultivating talents and retaining talents as we know owning talents is owning treasure. Holding the management philosophy of "to survive by quality, to profit by management, to progress by innovation, to develop by faith", Heiman is striving to be a reputed national enterprise.

CONTENT

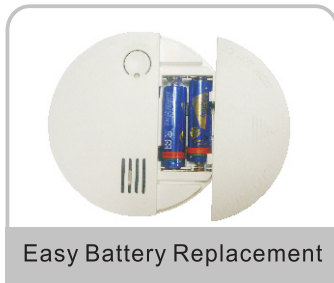
● Smoke And CO Detector	03
● Smoke Detector	05
● Heat Detector	22
● Gas Detector	25
● Intelligent Tri-tech Intruder Detector	47
● PIR Detector	49
● Water Leak Detector	57
● Infrared Beam Detector	59
● Infrared Baluster	65
● Burglar Alarm System	66
● Combustible Gas Alarm Control Panel	67
● 2 Wire Fire Alarm Control Panel	69
● Accessories	73



SMOKE AND CO DETECTOR

Smoke and CO Detector HM-621 Series

- HM-621PHS Photoelectric Smoke Detector
- HM-621THS Photoelectric Smoke and CO Detector
- HM-721EHS-BT CO Detector



Main Features

- MCU processing
- Low power consumption design, battery used for over 3 years
- On-top battery compartment, easy battery replacement
- Tamper resistant pins for battery
- Low battery warning
- Shockproof design, suitable for vehicle use
- Auto check malfunction in smoke chamber
- Test and hush button
- Auto reset

● Technical specification

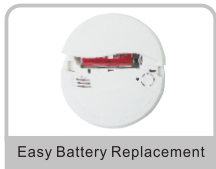
Model NO.	HM-621PHS	HM-621THS	HM-721EHS-BT
Operating voltage	DC3V(2×1.5V AA alkaline batteries)	DC3V (2*1.5V AA alkaline batteries)	DC3V (2*1.5V AA alkaline batteries)
Static current	≤10uA	≤10uA	≤10uA
Alarm current	≤25mA	≤25mA	≤25mA
Alarm output	Sound & Flash alarm	Sound & Flash alarm	Sound & Flash alarm
Sending frequency	N/A	N/A	N/A
Interconnection	N/A	N/A	N/A
Sensitivity	1. 8%/ft±0. 8%/ft	1. 8%/ft±0. 8%/ft/ 150PPM±50PPM	150PPM±50PPM
Sound level	85dB/3m	85dB/3m	85dB/3m
Installation	Wall or Ceiling mounted	Wall or Ceiling mounted	Wall or Ceiling mounted
Working environment	-10℃~+50℃ (≤95%RH No congelation)	-10℃~+50℃, 5%-95%RH	-10℃~+50℃, 5%-95%RH
Dimension	Φ110*45mm	Φ110*45mm	Φ110*45mm



SMOKE DETECTOR

Smoke Detector

- HM-622PS Photoelectric Smoke Detector



Main Features

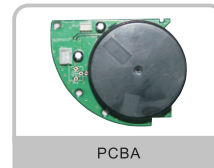
- On-top battery compartment, easy battery replacement
- Low battery warning
- Test button
- Infrared photoelectric sensor
- ASIC circuitry assures excellent performance
- SMT manufacture technology, high stability
- Shockproof design, suitable for vehicle use
- Dustproof, mothproof, anti-light interference design
- Anti-RFI(20V/m-1GHz)
- Execute criterion: UL217, EN14604

● Technical specification

Model NO.	HM-622PS
Operating voltage	9V battery
Static current	12uA
Alarm current	20mA
Alarm output	Sound & Flash alarm
Sound level	85dB/3m
Installation	Ceiling mounted
Sensitivity	1. 8%/ft±0. 8%/ft
Working environment	-10°C~+50°C, (≤95%RH No congelation)
Dimension	Φ95*41mm

Smoke Detector

- HM-623PS Photoelectric Smoke Detector



Main Features

- On-top battery compartment, easy battery replacement
- Low battery warning
- Test button
- Infrared photoelectric sensor
- ASIC circuitry assures excellent performance
- SMT manufacture technology, high stability
- Shockproof design, suitable for vehicle use
- Dustproof, mothproof, anti-light interference design
- Anti-RFI(20V/m-1GHz)
- Execute criterion: UL217, EN14604

● Technical specification

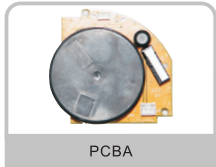
Model NO.	HM-623PS
Operating voltage	9V battery
Static current	12uA
Alarm current	20mA
Alarm output	Sound & Flash alarm
Sound level	85dB/3m
Installation	Ceiling mounted
Sensitivity	1. 8%/ft±0. 8%/ft
Working environment	-10°C~+50°C, (≤95%RH No congelation)
Dimension	Φ95*41mm



SMOKE DETECTOR

Smoke Detector

- HM-625PHS 10 Years Photoelectric Smoke Detector



Main Features

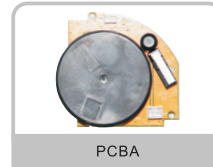
- Low power consumption design, 10 years 3V lithium battery.
- Test and hush button
- Infrared photoelectric sensor
- MCU processing, eliminate false alarm
- SMT manufacture technology, high stability
- Shockproof design, suitable for vehicle use
- Dustproof, mothproof, anti-light interference design
- Low battery warning
- Anti-RFI(20V/m-1GHz)
- Execute criterion: UL217, EN14604

● Technical specification

Model NO.	HM-625PHS
Operating voltage	3V lithium battery
Static current	8uA
Alarm current	35mA
Alarm output	Sound & Flash alarm
Sound level	85dB/3m
Installation	Ceiling mounted
Sensitivity	1. 8%/ft±0. 8%/ft
Working environment	-10℃~+50℃, (≤95%RH No congelation)
Dimension	Φ95*41mm

Smoke Detector

- HM-626PHS 10 Years Photoelectric Smoke Detector



Main Features

- Low power consumption design, 10 years 3V lithium battery.
- Test and hush button
- Infrared photoelectric sensor
- MCU processing, eliminate false alarm
- SMT manufacture technology, high stability
- Shockproof design, suitable for vehicle use
- Dustproof, mothproof, anti-light interference design
- Low battery warning
- Anti-RFI(20V/m-1GHz)
- Execute criterion: UL217, EN14604

● Technical specification

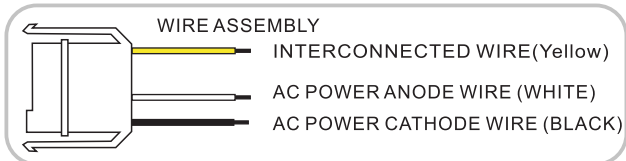
Model NO.	HM-626PHS
Operating voltage	3V lithium battery
Static current	8uA
Alarm current	35mA
Alarm output	Sound & Flash alarm
Sound level	85dB/3m
Installation	Ceiling mounted
Sensitivity	1. 8%/ft±0. 8%/ft
Working environment	-10℃~+50℃, (≤95%RH No congelation)
Dimension	Φ95*41mm



SMOKE DETECTOR

Smoke Detector HM-620 Series

- HM-620PHS
Photoelectric Smoke Alarm (Independent)
- HM-620PHR
Wireless Photoelectric Smoke Alarm
- HM-620PHW-AC (AC Power & Backup Battery)
Wireless Interconnected Photoelectric Smoke Alarm
- HM-620PHWR-AC (AC Power & Backup Battery)
Wireless Network & Interconnected Smoke Alarm (Wireless Network with alarm system and Wireless Interconnection with group detectors)
- HM-620PHM-AC
Wired Interconnected Photoelectric Smoke Alarm



● Technical specification

Model NO.	HM-620PHS	HM-620PHR	HM-620PHW-AC	HM-620PHWR-AC	HM-620PHM-AC
Operating voltage	9Vbattery	9Vbattery	AC110V/220V (9V backup battery)		
Interconnection	N/A	N/A	Install within the radius of 200 m; Up to 40pcs HEIMAN smoke detectors		
Hush function	YES	YES	YES	YES	YES
Code form	N/A	2262/1527	2262	2262/1527	N/A
Sending frequency	N/A	433MHz/315MHz	433MHz	433MHz/315MHz	N/A
Radio distance	N/A	200m (open area)	200m (open area)	200m (open area)	N/A
Sensitivity	1. 8%/ft±0. 8%/ft		1. 8%/ft±0. 8%/ft		
Sound level	85dB/3m		85dB/3m		
Installation	Wall or Ceiling mounted		Wall or Ceiling mounted		
Working environment	-10℃~+50℃ (≤95%RH No congelation)		-10℃~+50℃ (≤95%RH No congelation)		
Dimension	Φ128*38mm		Φ128*38mm		



Main Features

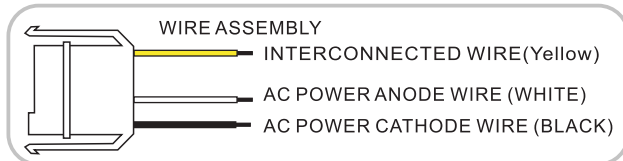
- Wired or wireless interconnection function
- Wireless network function
- Auto-check malfunction
- Infrared photoelectric sensor
- MCU processing, eliminate false alarm
- Photoelectric sensing technology
- Dustproof, mothproof, anti-light interference design
- Hush function
- Low battery indication
- Execute criterion:EN14604;UL217



SMOKE DETECTOR

Photoelectric Smoke & Heat Alarm HM-620D Series

- HM-620DHS Independent Photoelectric Smoke & Heat Alarm
- HM-620DHR Wireless Photoelectric Smoke & Heat Alarm
- HM-620DHM-AC Wired Interconnected Photoelectric Smoke & Heat Alarm



Main Features

- Battery operated or AC power with backup battery
- Photoelectric sensing technology
- Low battery warning
- Loud 85dB audio alarm
- MCU processing
- Test and hush button
- Interconnection function
- 57°C (135° F) fixed temperature alarm
- Execute criterion: EN54-4, UL539, EN14604, UL217

● Technical specification

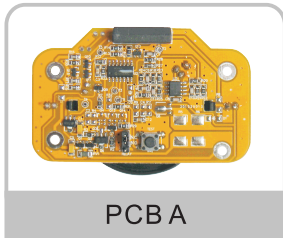
Model NO.	HM-620DHS	HM-620DHR	HM-620DHM-AC
Operating voltage	DC9Vbattery	DC9Vbattery	AC110V/220V (9V backup battery)
Interconnection	N/A	N/A	Up to 40pcs HEIMAN detectors
Code form	N/A	2262/1527	N/A
Sending frequency	N/A	433MHz	N/A
Radio distance	N/A	200m (open area)	N/A
Alarm temperature	57°C		57°C
Sensitivity	1.8%/ft±0.8%/ft		1.8%/ft±0.8%/ft
Sound level	85dB/3m		85dB/3m
Installation	Wall or Ceiling mounted		Wall or Ceiling mounted
Working environment	-10°C~+50°C (≤95%RH No congelation)		-10°C~+50°C (≤95%RH No congelation)
Dimension	Φ128*38mm		Φ128*38mm



SMOKE DETECTOR

Smoke Detector HM-612 Series

- HM-612PC-2 2-Wire Network Photoelectric Smoke Detector
- HM-612PC-4 4-Wire Network Photoelectric Smoke Detector
- HM-612DC-2 2-Wire Network Photoelectric Smoke & Heat Detector
- HM-612DC-4 4-Wire Network Photoelectric Smoke & Heat Detector



PCBA



Front



Installing Base



Main Features

- Power supply non-polar input
- Infrared photoelectric sensor
- MCU processing, eliminate false alarm
- Network relay output / LED indicating alarm
- SMT manufacture technology, high stability
- Dustproof, mothproof, anti-light interference design
- Stainless steel shield in chamber, anti-RFI(20V/m-1GHz)
- Execute criterion: GB4715, EN54-7, UL539
- Design Patent No.:20103069320. 2

● Technical specification

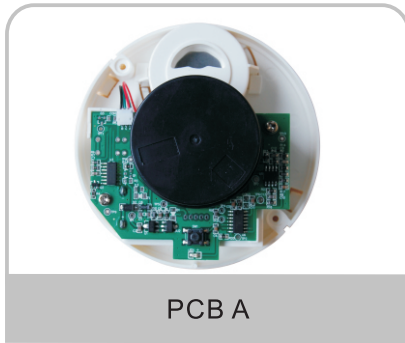
Model NO.	HM-612PC-2	HM-612PC-4	HM-612DC-2	HM-612DC-4
Operating voltage	DC10-30V		DC10-30V	
Alarm temperature	N/A	N/A	57℃	57℃
Static current	20uA	13mA (NC) ; 4mA (NO)	20uA	13mA (NC) ; 4mA (NO)
Alarm current	35mA@DC12V; 83m@DC24V	9mA (NC) ; 19mA (NO)	35mA@DC12V; 83m@DC24V	9mA (NC) ; 19mA (NO)
Alarm output	Remote LED indicator	Relay output	Remote LED indicator	Relay output
Installation	Ceiling mounted		Ceiling mounted	
Sensitivity	0.15dB/m(±0.03dB/M)		1.8%/ft±0.8%/ft	
Working environment	-10℃~+50℃, (≤95%RH No congelation)		-10℃~+50℃, (≤95%RH No congelation)	
Dimension	Φ100*48mm		Φ100*48mm	



SMOKE DETECTOR

Smoke Detector HM-608 Series

- HM-608PS Photoelectric Smoke Detector (Independent)
- HM-608PC-4 4-Wire Network Photoelectric Smoke Detector



Main Features

- Power supply non-polar input
- Infrared photoelectric sensor
- MCU processing, eliminate false alarm
- Network relay output / LED indicating alarm
- SMT manufacture technology, high stability
- Dustproof, mothproof, anti-light interference design
- Anti-RFI(20V/m-1GHz)
- Execute criterion: UL268, GB4715, EN54-7

● Technical specification

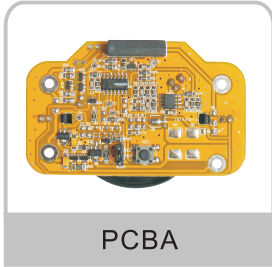
Model NO.	HM-608PS	HM-608PC-4
Operating voltage	9V battery	DC9-24V
Static current	12uA	3mA
Alarm current	10mA	25mA
Alarm output	Sound & Flash alarm	Relay output, Sound & Flash alarm
Sound level	85dB/3m	85dB/3m
Installation	Ceiling mounted	Ceiling mounted
Sensitivity	1.8%/ft±0.8%/ft	1.8%/ft±0.8%/ft
Working environment	-10°C~+50°C, (≤95%RH No congelation)	-10°C~+50°C, (≤95%RH No congelation)
Dimension	Φ100*43mm	Φ100*43mm



SMOKE DETECTOR

Smoke Detector HM-613 Series

- HM-613PC-2 2-Wire Network Photoelectric Smoke Detector
- HM-613PC-4 4-Wire Network Photoelectric Smoke Detector



Main Features

- Power supply non-polar input
- Infrared photoelectric sensor
- MCU processing, eliminate false alarm
- Network relay output / LED indicating alarm
- SMT manufacture technology, high stability
- Dustproof, mothproof, anti-light interference design
- Stainless steel shield in chamber, anti-RFI(20V/m-1GHz)
- Execute criterion: GB4715, EN54-7, UL539
- Design Patent No.:201130310516. 3

● Technical specification

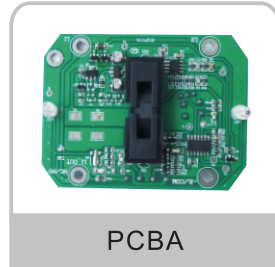
Model NO.	HM-613PC-2	HM-613PC-4
Operating voltage	DC10-30V	DC10-30V
Static current	20uA	13mA (NC) ; 4mA (NO)
Alarm current	35mA@DC12V; 83m@DC24V	9mA (NC) ; 19mA (NO)
Alarm output	Remote LED indicator	Relay output
Installation	Ceiling mounted	Ceiling mounted
Sensitivity	0.15dB/m(± 0.03 dB/M)	0.15dB/m(± 0.03 dB/M)
Working environment	-10°C~+50°C, ($\leq 95\%$ RH No congelation)	-10°C~+50°C, ($\leq 95\%$ RH No congelation)
Dimension	$\Phi 100*48$ mm	$\Phi 100*48$ mm



SMOKE DETECTOR

Smoke Detector HM-602 Series

- HM-602PC-2 2-Wire Network Photoelectric Smoke Detector
- HM-602PC-4 4-Wire Network Photoelectric Smoke Detector



PCBA



Installing Base



Main Features

- Power supply non-polar input
- Infrared photoelectric sensor
- MCU processing, eliminate false alarm
- Network relay output / LED indicating alarm
- SMT manufacture technology, high stability
- Dustproof, mothproof, anti-light interference design
- Stainless steel shield, anti-RFI(20V/m-1GHz)
- Execute criterion: UL268, GB4715, EN54-7

● Technical specification

Model NO.	HM-602PC-2	HM-602PC-4
Operating voltage	DC9V~35V	DC9V~35V
Static current	55uA	12mA (NC) ; 500uA (NO)
Alarm current	35mA@DC12V;60mA@DC24V	10mA (NC) ; 18mA (NO)
Sensitivity	1.8%/ft±0.8%/ft	1.8%/ft±0.8%/ft
Alarm output	Remote LED indicator	Relay output
Installation	Ceiling mounted	Ceiling mounted
Working environment	-10℃~+50℃, (≤95%RH No congelation)	-10℃~+50℃, (≤95%RH No congelation)
Dimension	Φ104*53mm	Φ104*53mm



HEAT DETECTOR

Heat Detector HM-212HC-DC

- HM-212HC-DC Heat Detector with Real Temperature Display and Adjustable Alarm Temperature.



Main Features

- MCU processing
- Auto reset / power-off reset optional
- NTC thermal sensor
- 4 Digits temperature LED display
- Can set maximum or minimum alarm temperature simultaneously
- Real ambient temperature correctable
- Relay alarm output
- Relay alarm delay time settable (0-255S)

● Technical specification

Model NO.	HM-212HC-DC
Operating voltage	DC9-24V or DC24V-48V
Static current	≤10mA or ≤28mA
Alarm temperature	-10°C~+100°C (can be set manually)
Alarm output	relay output, contact capacity AC250V 3A
Sensor	NTC 20K high sensitivity temperature sensor
Working environment	-10°C~+50°C, (≤95%RH)
Dimension	118.5*82*43mm

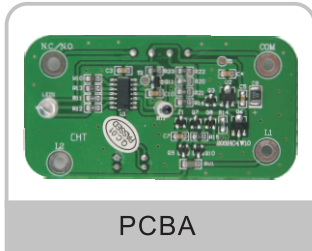


HEIMAN -- Produce the
World's Best Detector!

HEAT DETECTOR

Heat Detector HM-203 Series

- HM-203HC-2 2-Wire Network Heat Detector
- HM-203HC-4 4-Wire Network Heat Detector



Main Features

- Combination rate-of-rise and fixed temperature alarm
- MCU processing, eliminate false alarm
- Low standby current
- Anti-RFI & Anti-EMI
- 9-35VDC wide operating voltage range
- LED flashing visible in 360 degrees direction
- Power supply non-polar input
- Remote LED indicator output (2 wire)
- Dustproof, mothproof, anti-light interference design
- Execute criterion: GB4716, EN54-5,
- Design Patent No.:20103069320. 2

● Technical specification

Model NO.	HM-203HC-2	HM-203HC-4
Operating voltage	DC9V~35V	DC9V~35V
Static current	≤50uA	12mA(NC);2mA(NO)
Alarm current	35mA(12V);83mA(24V)	5mA(NC);15mA(NO)
Alarm output	Remote LED Indicator	Relay output
Alarm temperature	Rate-of-rise alarm: temperature rising rate >8°C/M	Fixed temperature alarm: 57°C(135°F)
Installation	Ceiling mounted	Ceiling mounted
Working environment	-10°C~+50°C, Humidity≤95%RH	-10°C~+70°C
Dimension	Φ100*48mm	Φ100*48mm



CO DETECTOR

CO Detector
HM-722 series

- HM-722ES-BT Independent , CO Detector
- HM-722ESY-BT Independent , CO Detector with LCD Display



Main Features

- SMT manufacture technology, high stability
- Detect CO
- Auto reset
- Malfunction auto-check indicator
- MCU processing
- 2*1.5V AA batteries
- Battery tamper, much safer
- High reliability FIGARO electrochemical sensor
- Placement on the table or wall installation
- Execute criterion : GB15322.5;UL2034;EN50291

● Technical specification

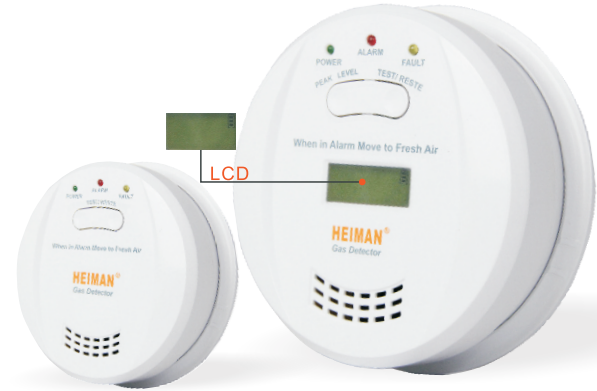
Model NO.	HM-722ES-BT	HM-722ESY-BT
Operating voltage	DC3V(2*1.5V AA batteries)	DC3V(2*1.5V AA batteries)
Gas species	CO	CO
Sensor	FIGARO electrochemical sensor	FIGARO electrochemical sensor
Concentration display	N/A	Digital LCD
Alarm level	30ppm, alarm after 120mins; 50ppm, alarm in 60-90mins; 100ppm, alarm in 10-40mins; 300ppm, alarm in 3mins.	30ppm, alarm after 120mins; 50ppm, alarm in 60-90mins; 100ppm, alarm in 10-40mins; 300ppm, alarm in 3mins.
Alarm output	Sound & LED flash alarm	Sound & LED flash alarm
Sound level	85dB/1m	85dB/1m
Installation	Wal mounted	Wall mounted
Working environment	-10℃~+50℃, (≤95%RH No congelation)	-10℃~+50℃, (≤95%RH No congelation)
Dimension	130*72*43mm	130*72*43mm



CO DETECTOR

CO Detector
HM-723 series

- HM-723ES-BT Independent , CO Detector
- HM-723ESY-BT Independent , CO Detector with LCD Display



PCBA



2*AA Battery

Main Features

- SMT manufacture technology, high stability
- Detect CO
- Auto reset
- Malfunction auto-check indicator
- MCU processing
- 2*1.5V AA batteries
- Battery tamper, much safer
- High reliability FIGARO electrochemical sensor
- Ceiling installation or wall installation
- Execute criterion : GB15322.5;UL2034;EN50291

● Technical specification

Model NO.	HM-723ES-BT	HM-723ESY-BT
Operating voltage	DC3V (2*1.5V AA batteries)	DC3V (2*1.5V AA batteries)
Gas species	CO	CO
Sensor	FIGARO electrochemical sensor	FIGARO electrochemical sensor
Concentration display	N/A	Digital LCD
Alarm level	30ppm, alarm after 120mins; 50ppm, alarm in 60-90mins; 100ppm, alarm in 10-40mins; 300ppm, alarm in 3mins.	30ppm, alarm after 120mins; 50ppm, alarm in 60-90mins; 100ppm, alarm in 10-40mins; 300ppm, alarm in 3mins.
Alarm output	Sound & LED flash alarm	Sound & LED flash alarm
Sound level	85dB/1m	85dB/1m
Installation	Ceiling or wall installation	Ceiling or wall installation
Working environment	-10℃~+50℃, (≤95%RH No congelation)	-10℃~+50℃, (≤95%RH No congelation)
Dimension	Φ122*38.8mm	Φ122*38.8mm



GAS DETECTOR

Combustible Gas Detector HM-712N series

- HM-712NS-AB Independent
- HM-712NVS-AB Independent , Work with Solenoid Valve
- HM-712NFS-AB Independent, Work with Exhaust Fan
- HM-712NSZ-AB Independent, with LED Display
- HM-712NVSZ-AB Independent, with LED Display Work with Solenoid Valve
- HM-712NFSZ-AB Independent, with LED Display Work with Exhaust Fan



PCBA



Battery(Optional)



Solenoid valve



Installing Base

Main Features

- High reliability sensor
- MCU processing
- Malfunction auto-check indicator
- Detect natural gas or LPG
- SMT manufacture technology, good stability
- Be able to work with solenoid valve / exhaust fan
- Digital LED display shows gas concentration
- Execute criterion: GB15322, EN50194, UL1484
- Patent No. for the Appearance: 2010306115908.X

● Technical specification

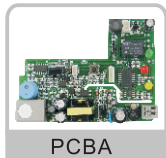
Model NO.	HM-712NS-AB	HM-712NVS-AB	HM-712NFS-AB	HM-712NSZ-AB	HM-712NVSZ-AB	HM-712NFSZ-AB
Operating voltage	AC100-240V			AC100-240V		
Gas species	Natural Gas or LPG			Natural Gas or LPG		
Sensor	Semiconductor	Semiconductor	Semiconductor	Catalytic type	Catalytic type	Catalytic type
Drivable accessories	N/A	Solenoid valve	Exhaust fan	N/A	Solenoid valve	Exhaust fan
Concentration display	N/A			Digital LED		
Alarm level	10%±5%LEL of Natural Gas			5%±3%LEL of Natural Gas		
Alarm output	Sound & LED flash alarm			Sound & LED flash alarm		
Sound level	85dB/1m			85dB/1m		
Rated power	2.5W			2.5W		
Installation	Wall mounted			Wall mounted		
Working environment	-10℃~+50℃, (≤95%RH No congelation)			-10℃~+50℃, (≤95%RH No congelation)		
Dimension	118.5*82*43mm			118.5*82*43mm		



GAS & CO DETECTOR

Gas & CO Detector
HM-712D Series

- HM-712DS-AB Independent
- HM-712DVS-AB Independent, Work with Solenoid Valve
- HM-712DSY-AB Independent, with LCD Display
- HM-712DVSY-AB Independent, with LCD Display
Work with Solenoid Valve
- HM-712DFS-AB Independent, with LCD Display
Work with Exhaust Fan



PCBA



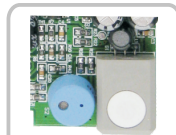
Battery(Optional)



Solenoid valve



Installing Base



Double sensor

Main Features

- High reliability dual sensor design
- MCU processing
- Malfunction auto-check indicator
- Alarm indicator indicates gas species
- Detect natural gas or LPG, CO
- SMT manufacture technology, high stability
- Be able to work with solenoid valve / exhaust fan
- 220V AC and 9V backup battery power source
- Execute criterion: GB15322, EN50291, UL2034, EN50194
- Patent No. for the Appearance : 2010306115908.X

● Technical specification

Model NO.	HM-712DS-AB	HM-712DVS-AB	HM-712DSY-AB	HM-712DVSY-AB	HM-712DFS-AB
Operating voltage	AC100-240V		AC100-240V		
Gas species	Natural gas or LPG & CO		Natural gas or LPG & CO		
Drivable accessories	N/A	Solenoid valve	N/A	Solenoid valve	Exhaust fan
Concentration display	N/A	N/A	Digital LCD	Digital LCD	Digital LCD
Sensor	Natural Gas: Semiconductor CO: Semiconductor		Natural Gas, LPG: Catalytic type CO: Electrochemical		
Alarm level	Natural Gas: 0.25% (5%LEL) CO: 150PPM		Natural Gas: 0.25% (5%LEL) CO: 150PPM		
Alarm output	Sound & LED flash alarm		Sound & LED flash alarm		
Sound level	85dB/1m		85dB/1m		
Rated power	2.5W		2.5W		
Installation	Wall mounted		Wall mounted		
Working environment	-10℃~+50℃, (≤95%RH No congelation)		-10℃~+50℃, (≤95%RH No congelation)		
Dimension	118.5*82*43mm		118.5*82*43mm		



CO DETECTOR

CO Detector HM-712C Series

- HM-712CS-AB Independent
- HM-712ESY-AB Independent, with LCD Display
Electrochemical Sensor
- HM-712EVSY-AB Independent, with LCD Display
Electrochemical Sensor
Work with Solenoid Valve
- HM-712EFSY-AB Independent, with LCD Display
Electrochemical Sensor
Work with Exhaust Fan



PCBA



Battery(Optional)



Solenoid valve



Installing Base

● Technical specification

Main Features

- High reliability sensor
- MCU processing
- LCD display shows gas concentration
- Malfunction auto-check indicator
- Sound & LED flash alarm
- Detect CO
- SMT manufacture technology , good stability
- Execute criterion: GB15322, EN50291, UL2034
- Patent No. for the appearance: 2010306115908.X

Model NO.	HM-712CS-AB	HM-712ESY-AB	HM-712EVSY-AB	HM-712EFSY-AB
Operating voltage	AC100-240V		AC100-240V	
Gas species	CO		CO	
Sensor	Semiconductor		Electrochemical	
Concentration display	N/A	Digital LCD	Digital LCD	Digital LCD
Alarm level	150PPM±80PPM	150PPM±50PPM	150PPM±50PPM	150PPM±50PPM
Drivable accessories	N/A	N/A	Solenoid valve	Exhaust fan
Alarm output	Sound&LED flash alarm		Sound&LED flash alarm	
Sound level	≥85dB/3m		≥85dB/3m	
Rated power	2.5W		2.5W	
Installation	Wall mounted		Wall mounted	
Working environment	-10℃~+50℃, (≤95%RH No congelation)		-10℃~+50℃, (≤95%RH No congelation)	
Dimension	118.5*82*43mm		118.5*82*43mm	

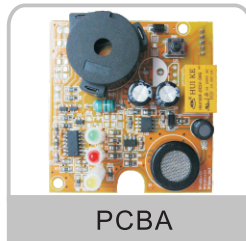


GAS DETECTOR

Combustible Gas Detector

HM-710N series

- HM-710NS-AC Independent
- HM-710NVS-AC Independent, Work with Solenoid Valve
- HM-710NC-AC Network, NO/NC Optional
NO Relay Can be used of Driving Exhaust Fan
- HM-710NVC-AC Network, Work with Solenoid Valve
- HM-710NC-DC Network, DC Power Supply
- HM-710NVC-DC Network, DC Power Supply
Work with Solenoid Valve



● Technical specification

Model NO.	HM-710NS-AC	HM-710NVS-AC	HM-710NR-AC	HM-710NVC-AC	HM-710NC-DC	HM-710NVC-DC
Operating voltage	AC110V or 220V			AC110V or 220V	DC12V-24V	DC12V-24V
Gas species	Natural gas or LPG			Natural gas or LPG		
Sensor	Semiconductor			Semiconductor		
Drivable accessories	N/A	Solenoid valve	N/A	Solenoid valve	N/A	Solenoid valve
Alarm level	6%LEL(±3%LEL) of Natural gas			6%LEL(±3%LEL) of Natural gas		
Alarm output	Sound & LED flash alarm		Wireless transmission Sound & LED flash alarm	Sound & LED flash alarm, Relay output		
Radio frequency	N/A		433MHz/315MHz	N/A		
Sound level	≥75dB/m			≥75dB/m		
Installation	Wall mounted			Wall mounted		
Working environment	-10℃~+50℃, (≤95%RH No congelation)			-10℃~+50℃, (≤95%RH No congelation)		
Dimension	110*70*40mm			110*70*40mm		



Main Features

- High reliability sensor
- MCU processing
- Malfunction auto-check indicator
- Detect Natural Gas or LPG
- SMT manufacture technology, good stability
- Execute criterion: GB15322, UL1484, EN50194
- Patent No. for the appearance: 201130132598.7

Wire harness connection instruction for DC type detectors :



Red: DC power anode
Black: DC power cathode
White: COM (relay)
Yellow: N.C. (relay)
Orange: N. O. (relay)

Wire harness connection instruction for detectors for AC type detectors
(no wire harness attached for stand alone type detectors):



Red: anode of solenoid valve
Black: cathode of solenoid valve
White: COM (relay)
Yellow: N. C. (relay)
Orange: N. O. (relay)

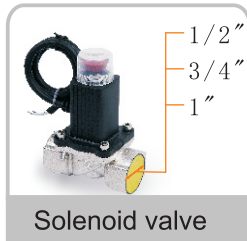


CO DETECTOR

Carbon Monoxide Detector

HM-710C series

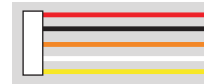
- HM-710CS-AC Independent
- HM-710CVS-AC Independent with 12V pulse output to drive solenoid valve
- HM-710CFS-AC Independent with NO relay output to drive exhaust fan
- HM-710CVF-AC Independent with 12V pulse output to drive solenoid valve and NO relay output to drive exhaust fan



Main Features

- MCU processing
- Auto check sensor failure
- Auto reset
- Power, alarm, fault indicators
- 5-pin connector design, easy wiring

Wire harness connection instruction for DC type detectors :



Red: DC power anode
 Black: DC power cathode
 White: COM (relay)
 Yellow: N.C. (relay)
 Orange: N. O. (relay)

Wire harness connection instruction for detectors for AC type detectors (no wire harness attached for stand alone type detectors):



Red: anode of solenoid valve
 Black: cathode of solenoid valve
 White: COM (relay)
 Yellow: N. C. (relay)
 Orange: N. O. (relay)

● Technical specification

Model NO.	HM-710CS-AC	HM-710CVS-AC	HM-710CFS-AC	HM-710CVF-AC
Operating voltage	AC110V or 220V		AC110V or 220V	
Sensor	Figaro Catalytic CO Sensor		Figaro Catalytic CO Sensor	
Alarm level	150PPM±50PPM		150PPM±50PPM	
Sound level	75dB/m		75dB/m	
Alarm output	N/A	12V Pulse Output	NO Relay Output	12V Pulse Output and NO Relay Output
Working envir.	Temp.: -10°C~+55°C; Humidity: ≤95% RH		Temp.: -10°C~+55°C; Humidity: ≤95% RH	
Dimension	110*70*40mm		110*70*40mm	

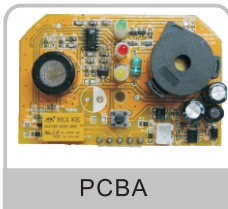


GAS DETECTOR

Combustible Gas Detector

HM-713 Series

- HM-713LS-AC Independent, AC Power
- HM-713LVS-AC Independent, Work with Solenoid Valve
- HM-713LC-AC Network, AC Power
- HM-713NC-DC Network, DC Power
- HM-713LC-DC Network, Low Power Consumption



Wire harness connection instruction for detectors with relay output:

- Red: power anode (DC), live wire (AC)
- Black: power cathode (DC), null wire (AC)
- White: COM (relay)
- Yellow: N.C. (relay)
- Orange: N. O. (relay)

Wire harness connection instruction for detectors with pulse output to drive solenoid valves:

- Red: power anode (DC), live wire (AC)
- Black: power cathode (DC), null wire (AC)
- Yellow: cathode of solenoid valve
- Orange: anode of solenoid valve



Main Features

- High reliability sensor
- MCU processing
- Malfunction auto-check indicator
- Detect Natural Gas or LPG
- SMT manufacture technology, good stability
- Execute criterion: GB15322, EN50294, UL1484
- Patent No. for the appearance: 201130132685.2

Technical specification

Model NO.	HM-713NS-AC	HM-713NVS-AC	HM-713NC-AC	HM-713NC-DC	HM-713LC-DC
Operating voltage	AC110V or 220V			DC12V-24V	
Gas species	Natural gas or LPG			Natural gas or LPG	
Sensor	Semiconductor			Semiconductor	
Drivable accessories	N/A	Solenoid valve	N/A	N/A	
Alarm level	6%LEL(±3%LEL) of Natural gas			6%LEL(±3%LEL) of Natural gas	
Alarm output	Sound & LED flash alarm			Sound & LED flash alarm	
Sound level	≥75dB/m			≥75dB/m	
Installation	Ceiling mounted			Ceiling mounted	
Working environment	-10℃~+50℃, (≤95%RH No congelation)			-10℃~+50℃, (≤95%RH No congelation)	
Dimension	Φ122*40mm			Φ122*40mm	



GAS DETECTOR

Combustible Gas Detector

HM-701N Series

- HM-701NS-AC Independent
- HM-701NVFS-AC Independent, Work with Solenoid Valve & Exhaust Fan
- HM-701NVC-AC Network, AC Power Supply, Work with Solenoid Valve
- HM-701NR-AC Wireless, Radio Signal Output
- HM-701NVC-DC Network, DC Power Supply, Work with Solenoid Valve



PCBA



Solenoid valve



Manipulator



Main Features

- High reliability sensor
- MCU processing
- Malfunction auto-check indicator
- Detect Natural Gas or LPG
- SMT manufacture technology, good stability
- Execute criterion: GB15322, UL1484, EN50194

● Technical specification

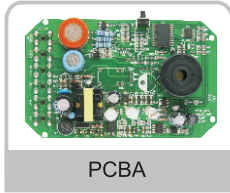
Model NO.	HM-701NS-AC	HM-701NVFS-AC	HM-701NVC-AC	HM-701NR-AC	HM-701NVC-DC
Operating voltage	AC100V-240V	AC100V-240V	AC100V-240V	DC100V-240V	DC12V-24V
Gas species	Natural Gas or LPG			Natural Gas or LPG	
Alarm output	Sound & LED flash alarm	Relay output(NO) Sound & LED flash alarm	Relay output Sound & LED flash alarm	Wireless transmission Sound & LED flash alarm	Relay output Sound & LED flash alarm
Radio frequency	N/A	N/A	N/A	433MHz/315MHz	N/A
Drivable accessories	N/A	Solenoid valve and Exhaust fan	Solenoid valve	N/A	Solenoid valve
Rated power	2.5W	2.5W	2.5W	2.5W	2W
Alarm level	10%±5%LEL			10%±5%LEL	
Sound level	≥85dB/3m			≥85dB/3m	
Installation	Wall mounted			Wall mounted	
Working environment	-10℃~+50℃, (≤95%RH No congelation)			-10℃~+50℃, (≤95%RH No congelation)	
Dimension	115*72*41mm			115*72*41mm	



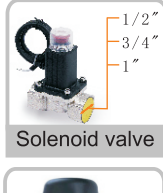
GAS DETECTOR

Gas & CO Detector
HM-701D Series

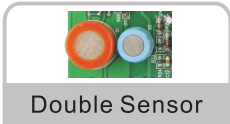
- HM-701DS-AC Independent
- HM-701DVFS-AC Independent, Work with Solenoid Valve & Exhaust Fan
- HM-701DVC-AC Network, AC Power Supply, Work with Solenoid Valve
- HM-701DR-AC Wireless, Radio Signal Output
- HM-701DVC-DC Network, DC Power Supply, Work with Solenoid Valve



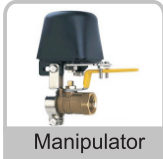
PCBA



Solenoid valve



Double Sensor



Manipulator



Main Features

- High reliability dual sensor design
- MCU processing
- Malfunction auto-check indicator
- Alarm indicator indicates gas species
- Detect Natural Gas or LPG , CO
- SMT manufacture technology, High stability
- Execute criterion: GB15322, EN50291, UL2034, EN50194

● Technical specification

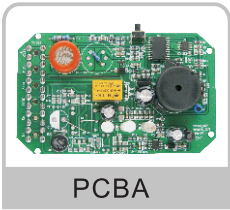
Model NO.	HM-701DS-AC	HM-701DVFS-AC	HM-701DVC-AC	HM-701DR-AC	HM-701DVC-DC
Operating voltage	AC100V-240V	AC100V-240V	AC100V-240V	AC100V-240V	DC12V-24V
Gas species	Natural Gas or LPG, CO			Natural Gas or LPG, CO	
Alarm output	Sound&LED flash alarm	NO Relay output, Sound &LED flash alarm	Relay output Sound &LED flash alarm	Wireless transmission Sound & LED flash alarm	Relay output Sound &LED flash alarm
Radio frequency	N/A	N/A	N/A	433MHz/315MHz	N/A
Drivable accessories	N/A	Solenoid valve & exhaust fan	Solenoid valve	N/A	Solenoid valve
Rated power	3W			3W	
Alarm level	Natural Gas: 10%±5%LEL CO:150PPM±80PPM		Natural Gas: 10%±5%LEL CO:150PPM±80PPM		
Sound level	≥75dB/m			≥75dB/m	
Installation	Wall mounted			Wall mounted	
Working environment	-10℃~+50℃, (≤95%RH No congelation)		-10℃~+50℃, (≤95%RH No congelation)		
Dimension	115*72*41mm			115*72*41mm	



CO DETECTOR

CO Detector HM-701C Series

- HM-701CS-AC Independent
- HM-701CVFS-AC Independent, Work with Solenoid Valve & Exhaust Fan
- HM-701CVC-AC Network, AC Power Supply, Work with Solenoid Valve
- HM-701CR-AC Wireless, Radio Signal Output
- HM-701CVC-DC Network, DC Power Supply, Work with Solenoid Valve



Main Features

- High reliability sensor
- MCU processing
- Be able to work with solenoid valve / exhaust fan
- Malfunction auto-check indicator
- Detect CO
- Sound & LED flash alarm output
- SMT manufacture technology , good stability
- Execute criterion: GB15322, UL1484, EN50194

● Technical specification

Model NO.	HM-701CS-AC	HM-701CVFS-AC	HM-701CVC-AC	HM-701CR-AC	HM-701CVC-DC
Operating voltage	AC100V-240V	AC100V-240V	AC100V-240V	AC100V-240V	DC12V-24V
Gas species	CO			CO	
Alarm output	Sound & LED flash alarm	NO Relay output& Sound & LED flash alarm	Relay output& Sound & LED flash alarm	Wireless transmission& Sound & LED flash alarm	Relay output& Sound & LED flash alarm
Radio frequency	N/A	N/A	N/A	433MHz/315MHz	N/A
Drivable accessories	N/A	Solenoid valve & Exhaust fan	Solenoid valve	N/A	Solenoid valve
Rated power	3W			3W	
Alarm level	150PPM±80PPM			150PPM±80PPM	
Sound level	≥75dB/m			≥75dB/m	
Installation	Wall mounted			Wall mounted	
Working environment	-10℃~+50℃, (≤95%RH No congelation)			-10℃~+50℃, (≤95%RH No congelation)	
Dimension	115*72*41mm			115*72*41mm	



INTELLIGENT TRI-TECH INTRUDER DETECTOR

Intelligent Tri-tech Intruder Detector HM-805 Series

- HM-805DTP Pet Friendly Tri-Tech PIR/Microwave Detector
- HM-805W Wired Wide Angle PIR Detector
- HM-805WP Pet-immunity PIR Detector



HM-805DT



Installing Bracket

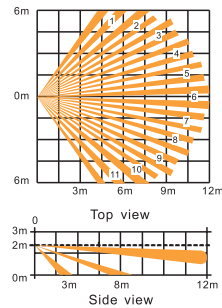
HM-805W Wired Wide Angle PIR Detector

● Main Features

- MCU processing, anti-false alarm efficiently
- Double temperature compensation
- Pulse count adjustment
- Anti white light interference
- Anti RF interference(20V/m-1GHz)
- Fresnel lens
- Wall / corner mounted
- Alarm output NC / NO optional
- SMT manufacture technology
- Execute criterion: GB10408.1, GB10408.5
- Patent No. for the Appearance: 20103069317.0

● Technical specification

● Detecting Area Sketch



LED indicator

- infrared triggered
- microwave triggered
- Alarm

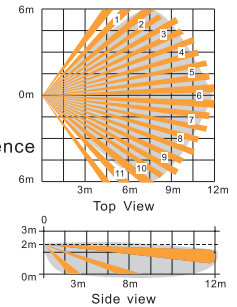
HM-805DTP Pet Friendly Tri-Tech PIR/Microwave Detector

● Main Feature

- Adopts doppler effect + spectral analysis + artificial intelligence
- Microwave x-band plane antenna
- Up to 20kg pet immunity
- Dual-mode temperature compensation
- Dynamic thresholds adjustment technology
- Bipolar pulse count adjustable
- Anti white light interference, anti rf interference
- Fresnel lens
- Alarm output N.C./N.O. optional
- Alarm delay time optional (3s/30s)
- SMT manufacture technology
- Design passed patent application

● Detecting Area Sketch

■ microwave ■ passive infrared



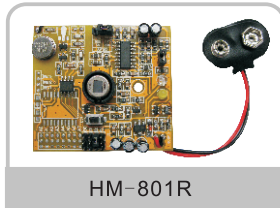
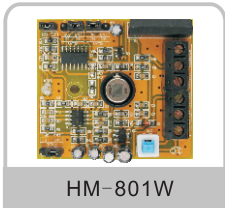
Model NO.	HM-805W	HM-805WP	HM-805DTP
Operating voltage	DC9V-24V		DC9-24V
Current consumption	≤18mA		≤30mA
Alarm indicator	Red LED		Green: infrared triggered, Yellow: microwave triggered, Red: Alarm
Tamper output	NC, contact DC28V 100mA		NC, contact DC28V 100mA
Alarm output	NC/NO optional, contact DC28V 100mA		NC/NO optional, contact DC28V 100mA
Alarm time	0.3m/s - 3m/s		0.3m/s - 3m/s
Self-testing time	60s		60s
Microwave antenna type			X-Band plane antenna with high frequency GaAs :FET oscillator
Pet immunity	N/A	12kg	20kg
Detecting angle	110°		90°
Detecting distance	12m		12m
Installation	Wall or corner mounted		Wall or corner mounted
Working environment	-10℃~+50℃, (≤95%RH No congelation)		-10℃~+50℃, (≤95%RH No congelation)
Dimension	123*62*46mm		123*62*46mm



PIR DETECTOR

PIR Detector HM-801 Series

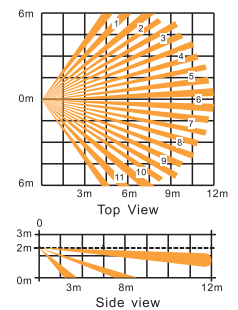
- HM-801W Wired Wide Angle PIR Detector
- HM-801R Wireless Wide Angle PIR Detector



● Main Feature

- MCU processing, anti-false alarm efficiently
- Double temperature compensation
- Pulse count adjustment
- Anti white light interference
- Anti RF interference(20V/m-1GHz)
- Fresnel lens
- Wall / corner mounted
- Alarm output NC / NO optional
- SMT manufacture technology
- Execute criterion: GB10408.1, GB10408.5
- Patent No. for the appearance: 20103069317.0

● Detecting Area Sketch



● Technical specification

Model NO.	HM-801W	HM-801R
Operating voltage	DC9-24V	DC 9V (6F22 battery)
Current consumption	≤18mA	Static≤25uA;Alarm≤15mA
Radio frequency	N/A	433MHz or 315MHz
Radio distance	N/A	100m(Open area)
Alarm output	N. C. or N.O. (contact capability: DC28V 100mA)	Wireless transmission
Installation	Wall or corner mounted	Wall or corner mounted
Detecting distance	12m	12m
Detecting angle	110°	110°
Working environment	-10°C~+50°C, (≤95%RH No congelation)	-10°C~+50°C, (≤95%RH No congelation)
Dimension	106*62*46mm	106*62*46mm



PIR DETECTOR

PIR Detector

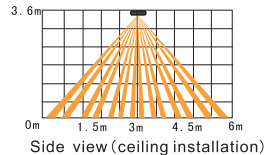
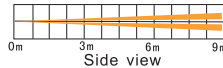
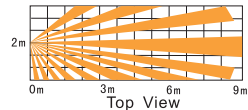
- HM-802C Wired Curtain PIR Detector



● Main Feature

- MCU processing, eliminate false alarm
- Double temperature compensation
- Pulse count adjustment
- Anti white light interference
- Anti RF interference
- Fresnel lens
- Wall / ceiling installation
- SMT manufacture technology, good stability
- Execute criterion: GB4716, EN54-5, UL521
- Patent No. for the Appearance: 20103069307.7

● Detecting Area Sketch



● Technical specification

Model NO.	HM-802C
Operating voltage	DC9-24V
Current consumption	≤18mA
Sensor	Dual-element pyroelectric infrared sensor
Alarm indicator	Red LED
Alarm output	Relay output
Installation	Wall or ceiling installation
Detecting distance	9m (Wall mounted), 6m (ceiling installation at 3.6 m)
Detecting angle	15°
Working environment	-10°C~+50°C, (≤95%RH No congelation)
Dimension	79*34*31mm

PIR Detector HM-803 Series

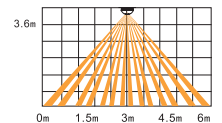
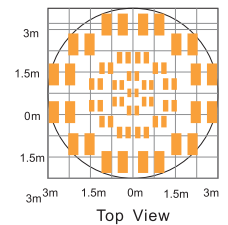
- HM-803W Wired Wide Angle PIR Detector



● Main Feature

- MCU processing, eliminate false alarm
- Double temperature compensation
- Pulse count adjustment
- Anti white light interference
- Anti RF interference (20V/m-1GHz)
- Ceiling mounted
- Alarm output: NC / NO Optional
- SMT manufacture technology
- Execute criterion: GB4716, EN54-5, UL521
- Patent No. for the Appearance: 20103069320. 2

● Detecting Area Sketch



● Technical specification

Model NO.	HM-803W
Operating voltage	DC9-24V
Current consumption	≤18mA
Sensor	Dual-element pyroelectric infrared sensor
Alarm indicator	Red LED
Alarm output	Relay output
Installation	Ceiling installation
Detecting distance	Φ 6m (Ceiling installation at 3.6m)
Detecting angle	360°
Working environment	-10°C~+50°C, (≤95%RH No congelation)
Dimension	Φ100*36mm



PIR DETECTOR

PIR Detector

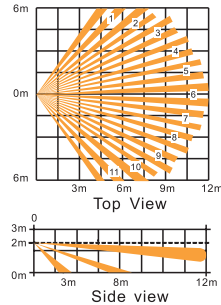
● HM-810W Wired Wide Angle PIR Detector



● Main Feature

- Intelligent logic control, anti-false alarm efficiently
- Auto temperature compensation
- Pulse count adjustment
- Anti white light interference
- Anti RF interference(20V/m-1GHz)
- Fresnel lens
- Wall / corner mounted
- Alarm output NC / NO optional
- SMT manufacture technology
- Execute criterion: GB10408.1, GB10408.5

● Detecting Area Sketch



● Technical specification

Model NO.	HM-810W
Operating voltage	DC9-16V
Current consumption	≤18mA(12V)
Alarm indicator	Red LED
Alarm output	Relay output
Installation	Wall or corner mounted
Detecting distance	12m
Detecting angle	110°
Working environment	-10℃~+50℃, (≤95%RH No congelation)
Dimension	89*52.5*38.5mm

PIR Detector

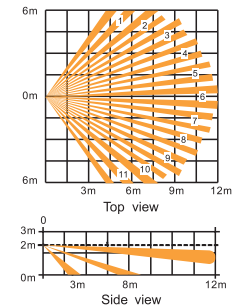
● HM-815R Wireless Wide Angle PIR Detector



● Main Feature

- ASIC Adopted
- Power ON/OFF button
- Auto temperature compensation
- Send alarm signal by RF
- No wiring, install conveniently
- Low battery indication
- SMT design adopted

● Detecting Area Sketch



● Technical specification

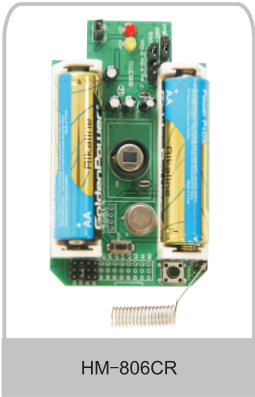
Model NO.	HM-815R
Operating voltage	DC 9V (6F22 battery)
Static current	≤25uA
Alarm current	≤15mA
Alarm indicator	Red LED
Alarm output	Wireless transmission(433MHz or 315MHz)
Radio distance	200m(Open area)
Detecting distance	12m
Detecting angle	110°
Working environment	-10℃~+50℃, (≤95%RH No congelation)
Dimension	107*59*45mm



PIR DETECTOR

PIR Detector HM-806 Series

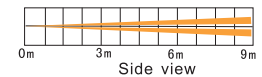
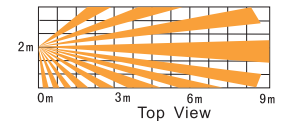
- HM-806C Wired Curtain PIR Detector
- HM-806CR Wireless Curtain PIR Detector



● Main Feature

- Intelligent logic control, anti-false alarm efficiently
- Auto temperature compensation
- Pulse count adjustment
- Anti white light interference
- Anti RF interference(20V/m-1GHz)
- Fresnel lens
- Portable installation bracket
- Alarm output NC / NO optional
- SMT manufacture technology
- Execute criterion: GB10408.1, GB10408.5

● Detecting Area Sketch



● Technical specification

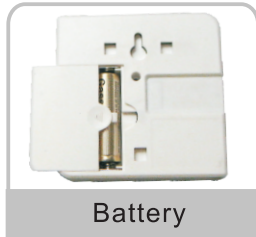
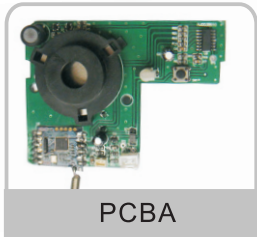
Model NO.	HM-806C	HM-806CR
Operating voltage	DC9-24V	DC3V (2×1.5V AA alkaline batteries)
Static current	N/A	≤25uA
Alarm current	N/A	≤10mA
Alarm output	Relay output	Wireless transmission
Radio distance	N/A	200m(open area)
Sending frequency	N/A	433MHz or 315MHz
Detecting distance	9m	9m
Detecting angle	15°	15°
Working environment	-10℃~+50℃, (≤95%RH No congelation)	-10℃~+50℃, (≤95%RH No congelation)
Dimension	110*69.5*40mm	110*69.5*40mm



WATER LEAK DETECTOR

Water Leak Detector

- HM-003BHS Independent
- HM-003BHR Wireless
- HM-003BHC-DC Network



● Main Feature

- Rust-proof metal probe, long service life
- Sound and flash alarm
- Low power consumption design
- Test and hush button
- Low battery warning
- MCU processing, resist false alarm efficiently
- SMT manufacture technology, good stability

● Technical specification

Model NO.	HM-003BHS Independent	HM-003BHR Wireless	HM-003BHC-DC Network
Operating Voltage	DC3V (2x1.5V AA Alkaline Batteries)	DC3V(2x1.5V AA Alkaline Batteries)	DC9-24V
Static Current	≤10uA	≤10uA	≤20mA
Alarm Current	≤40mA	≤50mA	≤130mA
Alarm Indicator	Red LED and buzzer sounding	Red LED and buzzer sounding	Red LED and buzzer sounding
Fault Indicator	Orange LED	Orange LED	Orange LED
Alarm Output	Sound & Flash Alarm	Wireless transmission(315Mhz/433Mhz)	Relay output (NC/NO)
Working Temp.	0-60℃	0-60℃	0-60℃
Humidity	0-80%RH (no congelation)	0-80%RH (no congelation)	0-80%RH (no congelation)
Sound Level	≥85dB/3m	≥85dB/3m	≥85dB/3m
Hush Time	10 minutes	10 minutes	10 minutes
Installation Mode	Wall mounted or board installed	Wall mounted or board installed	Wall mounted or board installed
Dimension	89*89*28mm(bracket not included)	89*89*28mm(bracket not included)	89*89*28mm(bracket not included)



INFRARED BEAM DETECTOR

Infrared Beam Detector

ABT Series

- ABT-20
- ABT-30
- ABT-40
- ABT-60
- ABT-80
- ABT-100

● Technical specification

- Infrared beams: twin-beams
- Response speed: 50~700m/sec
- Alarm output: 1C relay contact output, contact capacity DC30V/0.5A MAX
- Power, voltage: DC-13.8~24V; AC11~18V
- Operating temperature scope: -25℃ to + 55 ℃
- Tamper output: 1B contact output: DC30V/0.5A MAX
- Adjustable angle of optical axis (horizontal): 180° (±90°)
- Adjustable angle of optical axis (vertical): 20° (±10°)
- Weight: 300g for each transmitter or receiver

● Technical specification

Model NO.	ABT-20	ABT-30	ABT-40	ABT-60	ABT-80	ABT-100
Detecting distance(outdoor)	20m	30m	40m	60m	80m	100m
Detecting distance(indoor)	60m	90m	120m	180m	240m	300m
Maximum distance	200m	300m	450m	600m	800m	1000m
Current consumption	35mA max	65mA max	40mA max	65mA max	70mA max	70mA max



● Main Features

- Indoor and outdoor used 2 beams, gain automatically adjust to meet the rain, fog, snow and other inclement weather
- Special filters and circuit, anti-glare interference
- Optical lenses to adjust faster, more convenient and accurate
- Lighting protection circuit design



INFRARED BEAM DETECTOR

Infrared Beam Detector

ABE series

- ABE-50
- ABE-100
- ABE-150
- ABE-200
- ABE-250

● Technical specification

- Infrared beams: tri-beams
- Response speed: 50-700m/sec
- Alarm output: 1C relay contact output, contact capacity DC30V/0.5A MAX
- Power, voltage: DC-13.8-24V; AC11-18V
- Operating temperature scope: -25℃ to +55 ℃
- Temper output: 1B contact output: DC30V/0.5A MAX
- Adjustable angle of optical axis(horizontal): 180° (±90°)
- Adjustable angle of optical axis(vertical): 20° (±10°)
- Weight: 700g for each transmitter or receiver

● Technical specification

Model NO.	ABE-50	ABE-100	ABE-150	ABE-200	ABE-250
Detecting distance(outdoor)	50m	100m	150m	200m	250m
Detecting distance(indoor)	150m	300m	450m	600m	750m
Consumption current	70mA max	80mA max	90mA max	100mA max	100mA max



● Main Features

- Indoor and outdoor used 3 beams digital infrared detector, adopted large-caliber conjoined aspherical lens
- Highly focused infrared, with longer detecting distance
- Anti-glare interference, lighting protection circuit design

INFRARED BEAM DETECTOR

Infrared Beam detector

ABH series

- ABH-50
- ABH-100
- ABH-150
- ABH-200
- ABH-250

● Technical specification

- Infrared beams: four-beams
- Response speed: 35-700m/sec
- Alarm output: 1C relay contact output, contact capacity DC30V/0.5A MAX
- Power, voltage: DC13.8~24V; AC11~18V
- Operating temperature scope: -25℃ to 55℃
- Tamper output: 1B contact output: DC30V/0.5A MAX
- Adjustable angle of optical axis(horizontal): 180° (±90°)
- Adjustable angle of optical axis(vertical): 20° (±10°)

● Technical specification

Model NO.	ABH-50	ABH-100	ABH-150	ABH-200	ABH-250
Detecting distance(outdoor)	50m	100m	150m	200m	250m
Detecting distance(indoor)	150m	300m	450m	600m	750m
Consumption current	95mA max	100mA max	100mA max	100mA max	105mA max



● Main Features

- Indoor and outdoor used 4 beams digital infrared detector, adopted large-caliber conjoined aspherical lens
- Highly focused infrared, with longer detecting distance
- Anti-glare interference, lighting protection circuit design



INFRARED BALUSTER

Infrared Baluster Series



● Main Features

- With original U.S produced IC, CPU microprocessor, it automatically adapts to digital intelligent control, wired and wireless optional, 4 kinds of frequencies for choice, it is suitable for different occasions and is compatible with any brand of host.
- With rain,fog,snow immune function, it can be all-day outdoor use. Anti-tamper, anti-shear,anti-movement, dual-beam identification principle can effectively prevent false alarm caused by small animals, birds and other small objects
- Stepless 360 ° rotation to achieve fast and precise focus, unique terminal to make installation convenient
- wired and wireless models for choice
- beams choice: 2 beams/4 beams/6 beams/8 beams/10 beams

● Technical specification

Operating voltage	DC12V-18V
Operating current	Receiver≤35mA,transmitter≤75mA, low consumption
Response speed	open time≥1.5s
Relay contact capacity	30V AC/DC, 0.5Amax
Alarm output	Wired or wireless
Detecting distance	10m to 40m indoor or 5m to 40m outdoor for different beam specification
Operating temperature	-35℃~+55℃

Burglar Alarm System

- HM-808 8 Programmed Wired Zones
- HM-816 16 Programmed Wired Zones
- HM-816-08 8 Programmed Wired Zones
16 Wireless Zones
- HM-816-16 16 Programmed Wired Zones
16 Wireless Zones



● Main Features

- Can set various programming.
- With remote control function, can connect external siren, remote monitor on-site alarm, trigger on-site siren
- Can arm/disarm each zone.
- Maximum connect with 4 keypad, host distinguish each keypad through keypad address jumper.
- 1 group 4 digits user' s passwords, 3 groups 4 digits operating passwords.
- Can set 6 groups alarm phone numbers and 2 groups alarm center phon numbers, when alarm is activated, it will dialing these numbers in cycle
- High speed digital communication, compatible with ADEMC04+1、CID digital communication protocol; send alarm signal to alarm center.
- Host temper function, keypad temper function, keypad communication line tamper function.
- Can restore password by hardware ,restore factory value by software.
- Record recent 100 alarm event information, can check at any time.
- AC power failure, low battery, dropped calls and other fault alarm.
- One relay output

● Technical specification

Power supply	AC220V±10%
Static consumption current	≤100mA
Power	< 1.5W
Siren output	DC12V more than 400mA
Output voltage	DC12V-15V
Working temperature	-10℃~+55℃
Metal box size	255*235*70mm
Keypad size	159*138*33mm

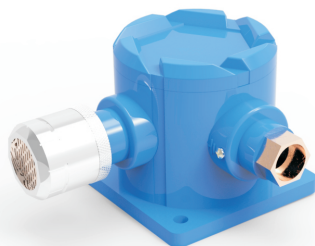
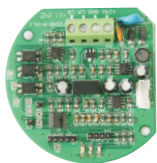


COMBUSTIBLE GAS ALARM

CONTROL PANEL

BUS combustable gas detector

● HM-720NB-DC BUS Combustible Gas Detector



● Main Features

- Adopt advanced NEMOTO catalytic sensor
- Super sensitivity and precision
- Adopt microprocessor technology
- Swift response time
- Low drift assures continuous working for a long time
- Auto check malfunction
- Strong interference resisting to external temperature, humidity and RF
- Metal mesh assures explosion proof and flame retardant
- Good gas permeability and better protection
- Structure stable and good explosion proof
- SMT manufacture technology, good stability
- Standard:GB15322.1-2003

● Technical specification

Model NO.	HM-720NB-DC
Detection principle	Catalytic combustion type
Detection mode	Natural dispersion
Gas species	Natural gas & LPG
Work mode	Continuous working for a long time
Detection range	0 ~ 100%LEL
Detection error	< ±3%LEL
Environment temperature	-20℃ ~ +60℃
Output signal	Digital signal for concentration value
Humidity	≤93%RH(no congelation)
Operating voltage	DC9V ~DC30V
Sensor life	≥5 years
Signal transmission distance	≤1200m
Protocol	Rs485
Product type	Explosion proof
Line incoming interface	1/2G male thread
Weight	0.8kg
Dimension	100*97*90.5mm

Combustible gas alarm control unit

● HM-930B 4 zones Bus Combustible gas alarm control unit



● Main Features

- Microprocessor technology
- Disable function to gas detectors.
- Can auto search for detectors
- LCD and digital tube display
- Auto protect from bus short circuit
- Store or enquiry alarm records up to 999pcs, records no lose when power cut off
- RS485 bus communication interface, can transmit 1200m without need for repeater
- Display time and alarm gas concentration in real time, user could adjust the time
- Detector sensitivity could be corrected remotely, zero point adjustment
- Four levels for concentration control: display, early warning, minor alarm, major alarm
- Auto check malfunction
- Programmable outputs
- Standard: GB16808-2008

● Technical specification

Model NO.	HM-930B
Operating voltage	AC220V±15% /50Hz
Secondary power source	DC12V/7.0Ah×2
Static current	<45mA
Alarm current	<300mA (not with detectors)
Detection range	0%LEL~100%LEL
Precision	< ±3%LEL
Alarm sound	≥85dB/1m
Capacity	4
Signal transmission distance	≤1200m (2.5mm2 ×2)
Output	8 groups of programmable outputs; Contact rating : 2A/DC24V or 4A/AC220V
Alarm mode	Sound&flash alarm Relay output
Installation mode	Wall mounted
Working environment	-10℃~60℃(5%~95%RH)
Weight	about 7.6kg
Dimension	379mm*236.4mm*100mm



2 WIRE FIRE ALARM CONTROL PANEL

Fire alarm control panel

HM-920 Series

- ◆ HM-920F-4 4-zones 2 Wire Fire Alarm Control Panel
- ◆ HM-920FY-4 4-zones 2 Wire Fire Alarm Control Panel with TFT display

● Main Features

- Microprocessor technology
- Show real time, user can adjust the time
- Control panel and detector use 2 wire connection
- Can record and enquire 999pcs alarm information
- Seperate display, setup, alarm, failure, test, disable operation for each zone and each zone's status could be recorded
- Panel can comprehensively check external connected equipments
- Easy key operation. Display model use colorful TFT combined with LED
- Alarm for short circuit and open circuit of both input and output lines. Assure the reliable connection of external devices
- Auto check function. Check if each zone and system display module work properly.
- Panel has alarm delay function. User could choose delay time
- Executive criteria: EN54-2, EN54-4

● Technical specification

Model NO.	HM-920F-4	HM-920FY-4
Operating voltage	AC220V±15% /50Hz	AC220V±15% /50Hz
Secondary power source	DC12V/2.6Ah×2	DC12V/2.6Ah×2
Number of zones	4 zones	4 zones
TFT display	N/A	YES
Alarm output	Sound & flash alarm; Relay output	Sound & flash alarm; Relay output
Static current	<120mA@24V	<120mA@24V
Alarm current	<180mA@24V	<180mA@24V
TFT display dimension	N/A	128*160
Installation mode	Wall mounted	Wall mounted
Working environment	-10℃~60℃ (5%~95%RH)	-10℃~60℃ (5%~95%RH)
Dimension	300*210*100mm	300*210*100mm



2 WIRE FIRE ALARM CONTROL PANEL

Fire alarm control panel

HM-921 Series

- HM-921FY-8 8-zones 2 Wire Fire Alarm Control Panel with TFT display
- HM-921FYP-8 8-zones 2 Wire Fire Alarm Control Panel with TFT display
Alarm records printing function
- HM-921FY-16 16-zones 2 Wire Fire Alarm Control Panel with TFT display
- HM-921FYP-16 16-zones 2 Wire Fire Alarm Control Panel with TFT display
Alarm records printing function

● Main Features

- Microprocessor technology
- Show real time, user can adjust the time
- Alarm records printing function. User could choose to print the records
- Control panel and detector use 2 wire connection
- Can record and enquire 999pcs alarm information
- Separate display, setup, alarm, failure, test, disable operation for each zone and each zone's status could be recorded
- Panel can comprehensively check external connected equipments
- Easy key operation. Display model use colorful TFT combined with LED
- Alarm for short circuit and open circuit of both input and output lines. Assure the reliable connection of external devices
- Auto check function. Check if each zone and system display module work properly.
- Panel has alarm delay function. User could choose delay time
- Executive criteria: EN54-2, EN54-4

● Technical specification

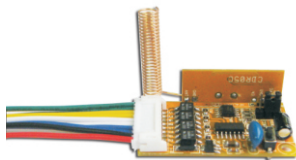
Model NO.	HM-921FY-8	HM-921FYP-8	HM-921FY-16	HM-921FYP-16
Operating voltage	AC220V±15% /50Hz	AC220V±15% /50Hz	AC220V±15% /50Hz	AC220V±15% /50Hz
Secondary power source	DC12V/7.0Ah×2	DC12V/7.0Ah×2	DC12V/7.0Ah×2	DC12V/7.0Ah×2
Number of zones	8 zones	8 zones	16 zones	16 zones
Printing function	N/A	YES	N/A	YES
Alarm output	Sound & flash alarm; Relay output		Sound & flash alarm; Relay output	
Static current	<120mA@24V		<120mA@24V	
Alarm current	<200mA@24V		<200mA@24V	
TFT display dimension	128*160		128*160	
Installation mode	Wall mounted		Wall mounted	
Working environment	-10℃~60℃ (5%~95%RH)		-10℃~60℃ (5%~95%RH)	
Dimension	400*300*115mm		400*300*115mm	



ACCESSORIES

Wireless-to-Wired Module

- HM-400-4 4 Channels Wireless-to-Wired Module



● Main Features

- Mini model, placement in intercom system
- Code frequency: 315Mhz/433Mhz
- Superheterodyne receive distance: 200m in open air, high stability
- Long transmission distance
- Coding IC: unique match code manner.
- Easy match code, no need for tediously coding
- N Groups of auto coding, no repeated code
- Preventing false alarm and easy after-sale service

● Technical specification

Model NO.	HM-400-4
Operating voltage	DC9-24V
Static current	≤7mA
Alarm current	≤40mA
Alarm output delay	1.8s
Alarm output	4-Way photoelectric relay output
Code	1527
Operating temperature	-10℃~ +55℃
Dimension	27*45*32mm

Accessories

- HM-001 Vibration detector



● Main Features

- Intelligent signal analysis technology
- Adjustable sensitivity
- LED ON/OFF adjustable
- Anti RF interference(20V/m-1GHz)
- CPU processing adopted
- SMT manufacture technology
- Anti-EMI

● Technical specification

Model NO.	HM-001
Operating voltage	DC12V
Static current	≤15mA
Alarm current	≤25mA
Alarm indicator	red LED
Alarm output	relay output(NC/NO optional)
Alarm delay	3 seconds or 3 minutes(adjustable)
Operating temperature	-10℃~+55℃, (≤95%RH No congelation)
Environment humidity	Maximum 95% RH

ACCESSORIES

Magnetic Switch

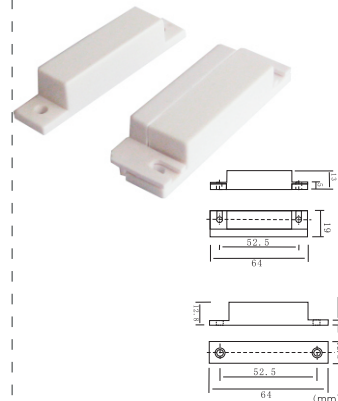
- HM-301R Wireless Magnetic Switch



Battery life:3 years
 Operating voltage: DC1.5V(1*1.5AA battery)
 Double modes-Test and emergency button
 MCU intelligent code
 low battery auto-check
 Static current: ≤3uA
 Alarm current: ≤130mA
 Sending frequency: 315MHz or 433MHz
 Sending distance: 100m
 Code: 2262/1527
 Operating temperature:-10℃~ +55℃
 Size: 30*95*20mm

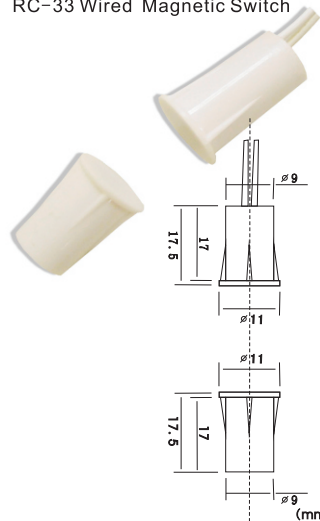
Magnetic switch

- MC-31 Wired Magnetic switch



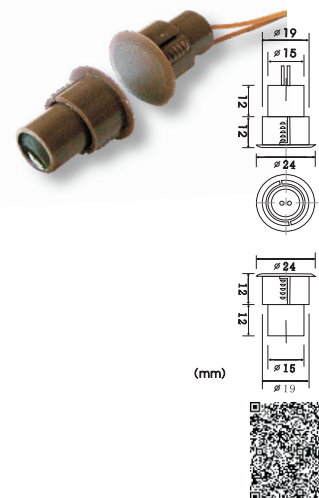
Magnetic Switch

- RC-33 Wired Magnetic Switch



Magnetic Switch

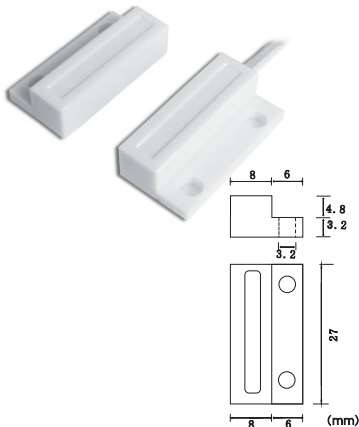
- RC-36 Wired Magnetic Switch



MAGNETIC SWITCH

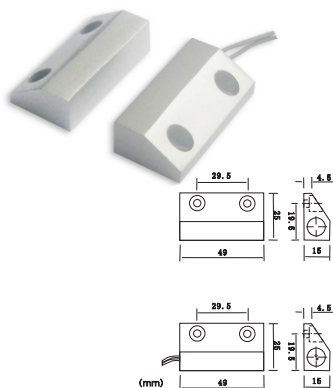
Magnetic Switch

MC-38 Wired Magnetic Switch



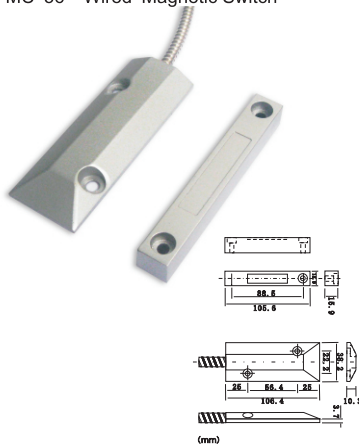
Magnetic Switch

MC-55 Wired Magnetic Switch



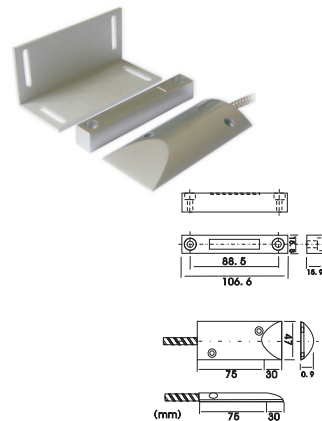
Magnetic Switch

MC-56 Wired Magnetic Switch



Magnetic Switch

MC-61L Wired Magnetic Switch



ACCESSORIES

Wireless Emergency Button

HM-02R Wireless Emergency Button



- Double alarm modes-button and pull switch
- Low battery auto-check
- Operating voltage:DC3V(1*CR2032 battery)
- Static current: 0uA
- Alarm current: 15mA
- Sending frequency: 315 or 433MHz
- Sending distance: 100m
- Dimension:36*58*15mm

Emergency Button

HM-01B Emergency Button



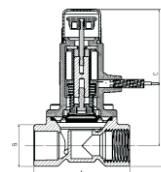
HM-01B

- Load current: 1.25A
- Operating voltage: 12VDC
- Switch voltage capacity: 250VDC
- Case material: ABS
- Switch mode: reset by key(auto reset can be customized)

Gas Emergency Shut Off Solenoid Valves

DN15A Gas Emergency Shut Off Solenoid Valves

DN20A Gas Emergency Shut Off Solenoid Valves



	DN15A	DN20A
A	64mm	68mm
B	30mm	37mm
C	88mm	90mm
D	102mm	108mm

- Suitable gas types: town gas
- Closing modes: current impulse or manual
- Body: wrought brass alloy(HPb59-1)
- Driving Voltage: DC 9 ~ 12 V (Impulse)
- Sealing material: NBR rubber
- Driving current: 1000µf capacitor discharge
- Standard: Q/TDBX01-2007, GB3836.9-2000
- Closing time: < 1 sec
- Pressure max: 20kPa or 100kPa
- Explosion proof mark: Exm II T6
- Connection: G1/2", G3/4" female thread
- Operation temperature: -10 ~ +50 °C
- Lead wire: 0.4m
- Turn on: manual



ACCESSORIES

Alarm Bell

HM-B1 Alarm Bell



- Operating voltage: 12V/24VDC
- Alarm current: 10mA
- Alarm sound level: 110dB
- Operating temperature: -10°C ~ +50°C
- Size: 6"~8"

Strobe Lamp

HM-05 Strobe Lamp



- Operating voltage: 12/24VDC optional
- Operating current: 200mA/120mA
- Flashing rate: \leq 65 times per minute
- Life time: \geq 200h (standard power work in continual)
- Color of the lampshade: red, green, orange, blue optional

Sound & Flash Siren

HM-103 Sound & Flash Siren



- Operating voltage: 12VDC
- Operating current: 200mA
- Sound level: 108dB
- Tone frequency: 3.8KHz
- Color of the lampshade: red, Blue, orange optional

Fire Strobe Sounder

HM-404 Fire Strobe Sounder



- Operating Voltage: DC 12V/DC24V
- Working Current: 100-150mA
- Flash Intensity: \geq 1.2WS
- Flash Period: \leq 1.5S
- Alarm Sound: \geq 100dB
- Life Of Flash Light: \geq 40,000
- Alarm Sound Type: Ambulance Sound, Pumper Sound, Police Car Sound
- Ambient Temperature: -10 °C ~ +55°C
- Ambient Humidity: \leq 95%

ACCESSORIES

Siren

HM-402 Siren



- Operating voltage: DC6-15V
- Rated current: 150mA
- Alarm sound level: 110dB
- Fireproof ABS shell
- Black or white optional

Siren

ES-626 Siren



Model NO.	ES-626-320	ES-626-1200
Rated voltage	DC12V	
Operating voltage range	DC6-15V	
Rated current	320mA	1200mA
Output power	15W	20W
Sound level	105 \pm 3dB/m	115 \pm 3dB/m
Gross weight	23Kgs	
Quantity	50PCS	
Package size	580*240*450mm	

