secutech

QA16 Addressable Fire Alarm
Control Panel

QA Series

Addressable Fire

QA series can be in single or 32 loops network configurations. This system is designed for all applications with advantages of easy installation, fast and precise detection and simple maintenance. Friendly HL Fire Tool software saves your time from programming. Reliable QA series definitely meets your demands for safety.

Addressable Fire Alarm Control Panel | Characteristics

- Each loop can connect up to 250 addressable devices. Maximum networking are 32 loops and total addressable points are 8000.
- Large LCD screen (40 x 15 lines) allows more events to be displayed on the same screen.
- Loop device can be set up to be temporarily isolated.
- Individual loop module test feature to save time on panel test.
- On-board Self-test feature for simulating alarm output.
- Easy system programming through PC to panel.
- Events log can store up to 2030 events.
- Specification Optional thermal printer that can printout complete panel status.

Specifications

Model	QA16
Power	220V AC 50/60Hz *Others also available
Battery Capacity	24V DC 4Ah
Charging Voltage, Current	26V DC 100~400mA *With auto adjustment function
Zone Voltage, Current	24V DC short circuit under 5V 30mA
System Capacity	250 devices/1 loop *Expandable for site requirement
Exterior Resistance	Round-trip under 40Ω
Transmitting Method	Digital series transmitting
Accumulation Time	0~40 seconds *Other options available
Main Sound	85dB @1M
# of conventional heat detectors connected	No limit *Except electronic-type
# of conventional smoke detectors connected	30/zone *Horing Lih's product
Material	1.6mm steel plate
Color	Pearl gray
Dimensions (mm) H x W x D	1~4 loop: 400 x 500 x 130 5~8 loop: 600 x 500 x 150

QA05
Addressable Combination
Smoke & Heat Detector

QA01
Addressable Photoelectric
Smoke Detector

QA06
Addressable Heat
Detector

Addressable Detectors | Characteristics

■ 2-wire base connection without polarity sensitivity makes installation much easier.

■ Latching function helps to identify alarm device clearly and quickly.

■ Address coding by dip switch makes the job easier.

■ Magnetic test feature makes maintenance easy and simple.

■ Non-loosening screws on base terminal for easy installation.

■ Detector is made of high endurance, solid and colorfast Fire-proof plastic.

■ Detector has passed strict EMC test, which greatly eliminates false alarms caused by interference from nearby sources.

■ Dual LEDs for 360-degree visibility.

Specifications

Model	QA01	QA05	QA06
Address Coding	Binary		
Alarm Current	DC24V 6mA		
Standby Current	DC24V 850µA		
Sensitivity Setting	Comply to EN54		
Ambient Temperature	0℃ ~ +50℃		
Thermal Setting	N/A	58℃	58℃
Dimensions(mm)	102(Dia.) x 48(H)	102(Dia.) x 54(H)	102(Dia.) x 46 (H)
Weight	130g	130g	115g
Material	Fire-proof plastic		
Color	White		

QA17-A

QA17-B

QA17-H

QA17-K

Module Series | Characteristics

■ Low power consumption in monitoring mode, high stability.

■ Easy installation, either single module installation or several modules installed on a special mounting bar. Implanted type gang box is available to suit the decoration design.

■ The Module is designed with separate input and output contacts to decrease the difficulty of moving external wiring.

■ Control Module QA17-B is designed to control input & output for all kinds of systems. (fire alarm, smoke evacuation, sprinkler, foam , winding door...etc.)

■ Output module QA17-A can directly connect with power source. The output voltage from N.O. & N.C. will be the same as input voltage.

■ Monitor module QA17-K is designed to monitor security condition, such as water supply, pump action ...etc.

Specifications

Model	QA17-K	QA17-B	QA17-A	QA17-H
Type	Monitor Module	Control Module	Output Module	Isolator Module
Purpose	Confirmation of external signal	Input & Output for all systems	Supply higher current such as evacuation	Isolate from control unit when external fault
System Connected	Receive activation signal from external device	Series with conventional detector	Series with QA17-B	Series with all system zone
Input Source	Activation signal	Loop signal	24VDC / 110VAC / 220VAC	Zone short circuit
Output Contacts/Load	N/A	1 in 2 out COM. N.O. N.C. 1.5A @30V DC	COM. N.O. N.C. 4A @30VDC, 2.5A @ 250VAC	N/A
EOL Resistor	10kΩ	10kΩ	N/A	N/A
Address Coding	Binary	Binary	N/A	N/A
Ambient Temp.	0℃ ~ +50℃			
Material	Fire-proof plastic			
Color	Green			
Dimensions (mm) H x W x D	55 x 28 x 16	60 x 76 x 31		

QA0817

QA19

Addressable Manual Call Points

Specifications

Model	QA19	QA0817
Purpose	Signal will directly sent to panel	
System Connected	Control panel zone	
Input Source	Zone signal	
Output Contacts/Load	N/A	
EOL Resistor	10kΩ	
Address Coding	Binary	
Operating Voltage	16 ~ 32V DC	
Alarm Current	6mA	
Quiescent Current	650 ~ 850µA	
Ambient Temperature	0°C ~ +50°C	
Material	Fire-proof plastic	
Color	Red	
Dimensions(mm)	140(Dia.) x 45(H)	87.5(H) x 87.5(W) x 54(D)
Remarks	-	Protection Cover is optional

QA Series Addressable Fire Alarm System Configuration
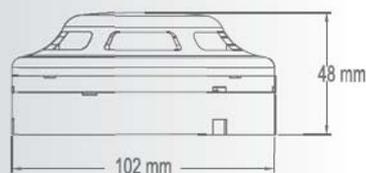
Conventional Manual Call Point
Fire Alarm Bell
Conventional Detector
Remote Indicating Lamp
Conventional Detector

QA17-A

QA16 Addressable Fire Alarm Control Panel

QA17-H

QA17-B

QA17-B

QA17-B

QA17-K

RS-485

QA17-H

QA0817 Addressable Manual Call Point

QA01 Addressable Photoelectric Smoke Detector

QA05 Addressable Combination Smoke and Heat Detector

QA06 Addressable Heat Detector

QA16 Addressable Fire Alarm Control Panel

QA19 Addressable Manual Call Point

Q01
Photoelectric Smoke Detector

Characteristics

- The standard detector is 2-wire or 3-wire. For 4-wire type just add one relay output module. Simple and easy module placement enables wider application and flexible stock control.

- Detector is made of high endurance, solid and colorfast Fire-proof plastic.

- Non-loosening screws on base terminal for easy installation.

- Detector has passed strict EMC test, which greatly eliminates false alarms caused by interference from nearby sources.

- Dual LEDs for 360-degree visibility.

48 mm

102 mm

Specifications

Model	Q01-2	Q01-3	Q01-4
Alarm Contact	N/A	N/A	0.8A @30V DC 0.4A @125V AC
Voltage Range	12 ~ 30V DC		
Alarm Current @24V DC 470Ω	40mA	40mA	45mA
Standby Current	25 ~ 75μA		
Sensitivity Setting	Comply to EN54		
Ambient Temperature	-10℃ ~ +55℃		
Material	Fire-proof plastic		
Dimensions	102mm(Dia.) x 48mm(H)		
Weight	130g	130g	145g
Color	White		

Effective alert area

Building Height	Area Covered
Under 4M	150 M^2
4 ~ 20M	75 M^2

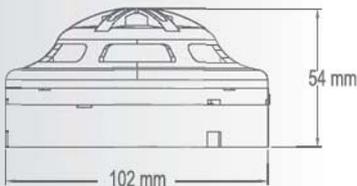### Order information

|	
Q01-2	2-wire
Q01-3	3-wire with remote indicator output
Q01-4	4-wire with relay output

Q05

Combination Smoke and Heat Detector

Characteristics

- The standard detector is 2-wire or 3-wire. For 4-wire type just add one relay output module. Simple and easy module placement enables wider application and flexible stock control.

- Detector is made of high endurance, solid and colorfast Fire-proof plastic.

- Non-loosening screws on base terminal for easy installation.

- Detector has passed strict EMC test, which greatly eliminates false alarms caused by interference from nearby sources.

- Dual LEDs for 360-degree visibility.

54 mm
102 mm

Specifications

Model	Q05-2	Q05-3	Q05-4
Alarm Contact	N/A	N/A	0.8A @30V DC 0.4A @125V AC
Voltage Range	12 ~ 30V DC		
Alarm Current @24V DC 470Ω	40mA	40mA	45mA
Standby Current	35 ~ 85µA		
Sensitivity Setting	Comply to EN54		
Thermal Setting	58℃		
Ambient Temperature	-10℃ ~ +55℃		
Material	Fire-proof plastic		
Dimensions	102mm(Dia.) x 54mm(H)		
Weight	130g	130g	145g
Color	White		

Effective alert area

Building Height	Area Covered
Under 4M	150 M^2
4 ~ 20M	75 M^2

Order information

Q05-2	2-wire
Q05-3	3-wire with remote indicator output
Q05-4	4-wire with relay output

Q06
Heat Detector

45 mm
102 mm

Characteristics

■ The standard detector is 2-wire or 3-wire. For 4-wire type just add one relay output module. Simple and easy module placement enables wider application and flexible stock control.

■ Detector is made of high endurance, solid and colorfast Fire-proof plastic.

■ Non-loosening screws on base terminal for easy installation.

■ Detector has passed strict EMC test, which greatly eliminates false alarms caused by interference from nearby sources.

■ Dual LEDs for 360-degree visibility.
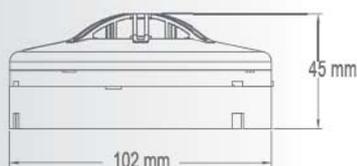
Specifications

Model	Q06-2	Q06-3	Q06-4
Alarm Contact	N/A	N/A	0.8A @30V DC 0.4A @125V AC
Voltage Range	12 ~ 30V DC		
Alarm Current @24V DC 470Ω	40mA	40mA	45mA
Standby Current	20 ~ 95µA		
Thermal Setting	58℃		
Ambient Temperature	-10℃ ~ +55℃		
Material	Fire-proof plastic		
Dimensions	102mm(Dia.) x 46mm(H)		
Weight	115g	115g	130g
Color	White		

Effective alert area

Construction/Height	Under 4M	4M ~ 8M
Fire-proof Building	90 M^2	45 M^2
Ordinary Building	50 M^2	30 M^2

Order information

| Q06-2	2-wire
Q06-3	3-wire with remote indicator output
Q06-4	4-wire with relay output

AH-0621

Photoelectric Smoke Detector

Characteristics

- Contacts material is highly acid-resistant and rust-resistant.

- Twin-color LED display enables viewer to easily identify the current status of detector.

- Detector is made of high endurance, solid and colorfast Fire-proof plastic.

- The standard detector is 2-wire or 3-wire. For 4-wire type just add one relay output module. Simple and easy module placement enables wider application and flexible stock control.

- Non-loosening screws on base terminal for easy installation.

- Detector has passed strict EMC test, which greatly eliminates false alarms caused by interference from nearby sources.

48 mm
102 mm
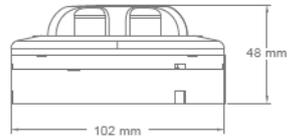
Specifications

Model	AH-0621-2	AH-0621-3	AH-0621-4
Alarm Contact	N/A	N/A	0.8A @30V DC 0.4A @125V AC
Voltage Range	12 ~ 30V DC		
Alarm Current @24V DC 470Ω	40mA	40mA	45mA
Standby Current	140µA		
Sensitivity Setting	Comply to UL 268		
Ambient Temperature	0°C ~ +37.8°C		
Material	Fire-proof plastic		
Dimensions	102mm(Dia.) x 48mm(H)		
Weight	130g	130g	145g
Color	White		

Effective alert area

Building Height	Area Covered
Under 4M	150 M^2
4 ~ 20M	75 M^2

Order information

AH-0621-2	2-wire
AH-0621-3	3-wire with remote indicator output
AH-0621-4	4-wire with relay output

8011
Photoelectric Smoke Detector

Characteristics

- ■ Magnetic test feature makes maintenance easy and simple.
- ■ Dual LEDs for 360-degree visibility.
- ■ The standard detector is 2-wire or 3-wire. For 4-wire type just add one relay output module. Simple and easy module placement enables wider application and flexible stock control.
- ■ Detector is made of high endurance, solid and colorfast Fire-proof plastic.
- ■ Non-loosening screws on base terminal for easy installation.
- ■ Detector has passed strict EMC test, which greatly eliminates false alarms caused by interference from nearby sources.

47 mm
102 mm
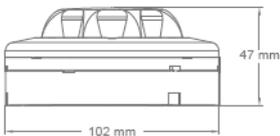
Specifications

Model	8011-2	8011-3	8011-4
Alarm Contact	N/A	N/A	0.8A @30V DC 0.4A @125V AC
Voltage Range	12 ~ 30V DC		
Alarm Current @24V DC 470Ω	40mA	40mA	45mA
Standby Current	25 ~ 75µA		
Sensitivity Setting	Comply to EN54		
Ambient Temperature	-10℃ ~ +55℃		
Material	Fire-proof plastic		
Dimensions	102mm(Dia.) x 47mm(H)		
Weight	130g	130g	145g
Color	White		

Effective alert area

Building Height	Area Covered
Under 4M	150 M^2
4 ~ 20M	75 M^2

Order information

| 8011-2	2-wire
8011-3	3-wire with remote indicator output
8011-4	4-wire with relay output
8011-2M	2-wire + magnetic test feature
8011-3M	3-wire with remote indicator output + magnetic test feature
8011-4M	4-wire with relay output + magnetic test feature

AH-0715

Combination Smoke and Heat Detector

Characteristics

- Magnetic test feature makes maintenance easy and simple.

- Twin-color LED display enables viewer to easily identify the current status of detector.

- The standard detector is 2-wire or 3-wire. For 4-wire type just add one relay output module. Simple and easy module placement enables wider application and flexible stock control.

- Detector is made of high endurance, solid and colorfast Fire-proof plastic.

- Non-loosening screws on base terminal for easy installation.

- Detector has passed strict EMC test, which greatly eliminates false alarms caused by interference from nearby sources.

54 mm

102 mm
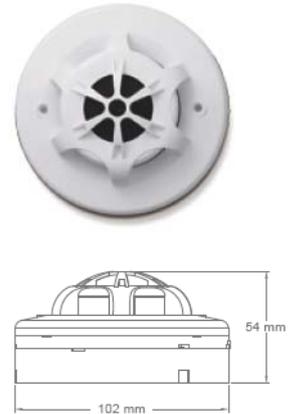
Specifications

Model	AH-0715-2	AH-0715-3	AH-0715-4
Alarm Contact	N/A	N/A	0.8A @30V DC 0.4A @125V AC
Voltage Range	12 ~ 30V DC		
Alarm Current @24V DC 470Ω	40mA	40mA	45mA
Standby Current	35 ~ 85µA		
Sensitivity Setting	Comply to EN54		
Thermal Setting	58°C		
Ambient Temperature	-10°C ~ +55°C		
Material	Fire-proof plastic		
Dimensions	102mm(Dia.) x 54mm(H)		
Weight	130g	130g	145g
Color	White		

Effective alert area

Building Height	Area Covered
Under 4M	150 M^2
4 ~ 20M	75 M^2

Order information

| AH-0715-2	2-wire
AH-0715-3	3-wire with remote indicator output
AH-0715-4	4-wire with relay output
AH-0715-2M	2-wire + magnetic test feature
AH-0715-3M	3-wire with remote indicator output + magnetic test feature
AH-0715-4M	4-wire with relay output + magnetic test feature

8016
Heat Detector

45 mm

102 mm

Characteristics

■ Magnetic test feature makes maintenance easy and simple.

■ The standard detector is 2-wire or 3-wire. For 4-wire type just add one relay output module. Simple and easy module placement enables wider application and flexible stock control.

■ Detector is made of high endurance, solid and colorfast Fire-proof plastic.

■ Non-loosening screws on base terminal for easy installation.

■ Detector has passed strict EMC test, which greatly eliminates false alarms caused by interference from nearby sources.

■ Dual LEDs for 360-degree visibility.
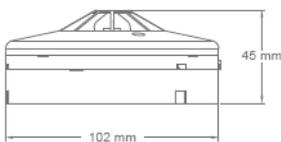
Specifications

Model	8016-2	8016-3	8016-4
Alarm Contact	N/A	N/A	0.8A @30V DC 0.4A @125V AC
Voltage Range	12 ~ 30V DC		
Alarm Current @24V DC 470Ω	40mA	40mA	45mA
Standby Current	20 ~ 90µA		
Thermal Setting	58℃		
Ambient Temperature	-10℃ ~ +55℃		
Material	Fire-proof plastic		
Dimensions	102mm(Dia.) x 45mm(H)		
Weight	115g	115g	130g
Color	White		

Effective alert area

Construction/Height	Under 4M	4 ~ 8M
Fire-proof Building	90 M^2	45 M^2
Ordinary Building	50 M^2	30 M^2

Order information

8016-2	2-wire
8016-3	3-wire with remote indicator output
8016-4	4-wire with relay output
8016-2M	2-wire + magnetic test feature
8016-3M	3-wire with remote indicator output + magnetic test feature
8016-4M	4-wire with relay output + magnetic test feature

AH-0633

Mechanical Rate of Rise Heat Detector

Characteristics

■ The standard detector is 2-wire or 3-wire. For 4-wire type just add one relay output module. Simple and easy module placement enables wider application and flexible stock control.

■ Detector is made of high endurance, solid and colorfast Fire-proof plastic.

■ Non-loosening screws on base terminal for easy installation.

■ Dual LEDs for 360-degree visibility.

52 mm

102 mm

Specifications

Model	AH-0633-2	AH-0633-3	AH-0633-4
Alarm Contact	N/A	N/A	0.8A @30V DC 0.4A @125V AC
Voltage Range	12 ~ 30V DC		
Alarm Current @24V DC 470Ω	40mA	40mA	45mA
Alarm Temperature	Comply to EN54		
Ambient Temperature	0°C ~ +55°C		
Material	Fire-proof plastic		
Dimensions	102mm(Dia.) x 52mm(H)		
Weight	140g	140g	155g
Color	White		

Effective alert area

Construction/Height	Under 4M	4M ~ 8M
Fire-proof Building	90 M^2	45 M^2
Ordinary Building	50 M^2	30 M^2

Order information

AH-0633-2	2-wire
AH-0633-3	3-wire with remote indicator output
AH-0633-4	4-wire with relay output

Implanted-Type

AHMB-071
Mounting Base
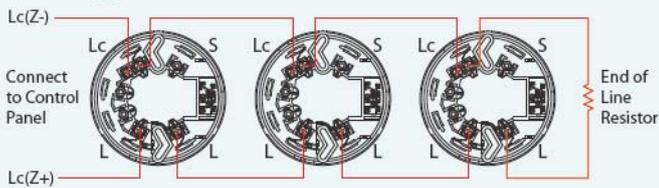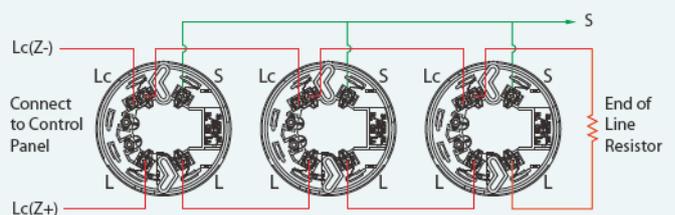
AHMB-071

Design Characteristics

■ The standard detector is 2-wire or 3-wire. For 4-wire type just add one relay output module. Simple and easy module placement enables wider application and flexible stock control.

■ Major advantage of using the compatible mounting base is to avoid wasting time selecting proper detectors for various purposes and be able to install the base quickly and continuously. Afterwards, just plug-in proper detector head to complete the project.

■ Applies to model nos. Q01, Q05, Q06, AH-0621, 8011, AH-0715, 8016 and AH-0633.

A : 89 mm
B : 50 mm
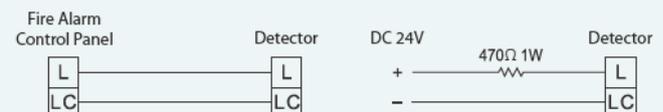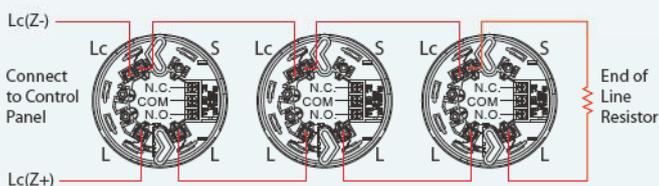C : 4.5 mm

2-Wire Type (Regular)

Lc(Z-)
Lc
S
Connect to Control Panel
End of Line Resistor
Lc(Z+)
L

3-Wire Type (Signal Transfer)

S
Lc(Z-)
Lc
S
Connect to Control Panel
End of Line Resistor
Lc(Z+)
L

Fire Alarm Control Panel — Detector
L — L
LC — LC

DC 24V — Detector
470Ω 1W
+ — L
− — LC

4-Wire Type (Relay Output)
Contact Ratings 0.8A @30V DC 0.4A@125V AC

Lc(Z-)
Lc
S
Connect to Control Panel
N.C.
COM
N.O.
End of Line Resistor
Lc(Z+)
L

Order information

Model	Feature, Application
AHMB-071-2	2-wire Apply to fire alarm control panel
AHMB-071-3	3-wire Auxiliary for remote indicating lamp
AHMB-071-4	4-wire 12 ~ 24VDC, optional one set of relay output. Apply to security system…etc.
06MB	Implanted-Type Applies to 2-wire, 3-wire, 4-wire.
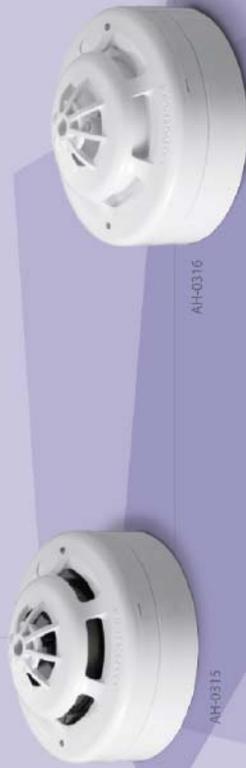
AH-0311
Multi-Purpose Smoke Detector

Specifications

Model	AH-0311-2	AH-0311-3	AH-0311-4
Voltage Range	12 ~ 30V DC		
Standby Current	35µA		
Alarm Current @24V DC 470Ω	40mA	30mA	40mA
Sensitivity Setting	Comply to EN54		
Ambient Temperature	-10°C ~ +55°C		
Material	Fire-proof plastic		
Dimensions	102mm(Dia.) x 49mm(H)		
Weight	155g	157g	165g
Color	White		

Order information

AH-0311-2	2-wire
AH-0311-3	3-wire with remote indicator output
AH-0311-4	4-wire with relay output

Specifications (Resettable)

Model	AH-0311-S	AH-0311-BS	AH-0311-BPS
Alarm Current	15mA	50mA	80mA
Standby Current	115µA	115µA	15mA
Voltage Range	12V DC	12V DC	12V DC
Weight	168g	170g	170g

Order information (Resettable)

AH-0311-S	+ Relay Output
AH-0311-BS	+ Buzzer + Relay Output
AH-0311-BPS	+ Buzzer + Power off & Wire Disconnection Warning + Relay Output

Effective alert area

Building Height	Area Covered
Under 4M	150 M²
4 ~ 20M	75 M²

Approvals: EN54 CE

AH-031 Series

AH-0311 Multi-Purpose Smoke Detector
AH-0315 Multi-Purpose Smoke and Heat Detector
AH-0316 Multi-Purpose Combination Heat Detector
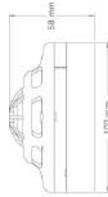
AH-0316

AH-0311

AH-0315

Characteristics

- Special chamber design has greatly decreased dust levels and improved detection accuracy.
- Dual LEDs for 360-degree visibility.
- Advanced technology enables this detector to increase its precision in fire detection, improve signals to avoid noise interference and thus reduce unwanted false alarm.
- Low current consumption that allows more detectors to be used with each control panel.
- Dual contacts on the base which enhance the connecting stability between sensor and base.
- All bases are fitted with a shorting spring to permit maintenance without disconnecting when removing the detector head.

Multi-purpose Resettable Type

This unit has designed for relay output feature with optional individual power source and it has been used widely in the current market. This resettable detector is not only use as a fire alarm system but will also supervise input power via an optional relay output for power breakdown or wire break. Fault relay contact will open when power breakdown occur and fire alarm signal will transmitted to connected system or computer terminal when detector is activated. When the alarm signal is absent the detector will automatically return to standby status. Optional built-in buzzer can sound a warning at the first sign of fire. This detector is currently used quite often in security systems and is also promoted for use in communications, banking, shipping or the art business.

AH-0315
Multi-Purpose Smoke and Heat Detector

Specifications

Model	AH-0315-2	AH-0315-3	AH-0315-4
Voltage Range		12 ~ 30V DC	
Standby Current		55µA	
Alarm Current @24V DC 470Ω	40mA	30mA	40mA
Sensitivity Setting		Comply to EN54	
Thermal Setting		58°C	
Response Grade		Comply to EN54, Grade 1	
Ambient Temperature		-10°C ~ +55°C	
Material		Fire-proof plastic	
Dimensions		102mm(Dia.) x 58mm(H)	
Weight	155g	157g	165g
Color		White	

Order information

AH-0315-2	2-wire
AH-0315-3	3-wire with remote indicator output
AH-0315-4	4-wire with relay output

Specifications (Resettable)

Model	AH-0315-S	AH-0315-BS	AH-0315-BPS
Alarm Current	125mA	65mA	80mA
Standby Current	125µA	125µA	15mA
Voltage Range	12V DC	12V DC	12V DC
Weight	164g	166g	171g

Order informations (Resettable)

AH-0315-S	+ Relay Output
AH-0315-BS	+ Buzzer + Relay Output
AH-0315-BPS	+ Buzzer + Power off & Wire Disconnection Warning + Relay Output

Effective alert area

Building Height	Area Covered
Under 4M	150 M²
4 ~ 20M	75 M²

Approvals: EN54

AH-0311 Multi-Purpose Smoke Detector
AH-0315 Multi-Purpose Smoke and Heat Detector
AH-0316 Multi-Purpose Combination Heat Detector

AH-0316

AH-0311

AH-0315

AH-031 Series

Characteristics

■ Special chamber design has greatly decreased dust levels and improved detection accuracy.

■ Dual LEDs for 360-degree visibility.

■ Advanced technology enables this detector to increase its precision in fire detection, improve signals to avoid noise interference and thus reduce unwanted false alarm.

■ Low current consumption that allows more detectors to be used with each control panel.

■ Dual contacts on the base which enhance the connecting stability between sensor and base.

■ All bases are fitted with a shorting spring to permit maintenance without disconnecting when removing the detector head.

Multi-purpose Resettable Type

This unit has designed for relay output feature with optional individual power source and it has been used widely in the current market. This resettable detector is not only use as a fire alarm system but will also supervise input power via an optional relay output for power breakdown or wire break. Fault relay contact will open when power breakdown occur and fire alarm signal will transmitted to connected system or computer terminal when detector is activated. When the alarm signal is absent the detector will automatically return to standby status. Optional built-in buzzer can sound a warning at the first sign of fire. This detector is currently used quite often in security systems and is also promoted for use in communications, banking, shipping or the art business.

AH-0316
Multi-Purpose Combination Heat Detector

Specifications

Model	AH-0316-2	AH-0316-3	AH-0316-4
Voltage Range	12 ~ 30V DC		
Standby Current	45µA		
Alarm Current @24V DC 470Ω	30mA	35mA	40mA
Thermal Setting	58°C		
Response Grade	Comply to EN54, Grade 1		
Ambient Temperature	-10°C ~ +55°C		
Material	Fire-proof plastic		
Dimensions	102mm(Dia.) x 58mm(H)		
Weight	145g	147g	160g
Color	White		

58 mm
102 mm

Order information

AH-0316-2	2-wire
AH-0316-3	3-wire with remote indicator output
AH-0316-4	4-wire with relay output

Specifications (Resettable)

Model	AH-0316-S
Alarm Current	35mA
Standby Current	30µA
Voltage Range	12V DC
Weight	157g

Order information (Resettable)

AH-0316-S	+ Relay Output

Effective alert area

Construction/Height	Under 4M	4M ~ 8M
Fire-proof Building	90 M²	45 M²
Ordinary Building	50 M²	30 M²

Approvals: EN54 CE

AH-0311 Multi-Purpose Smoke Detector

AH-0315 Multi-Purpose Smoke and Heat Detector

AH-0316 Multi-Purpose Combination Heat Detector

AH-0316

AH-0311

AH-0315

AH-031 Series

Characteristics

- Special chamber design has greatly decreased dust levels and improved detection accuracy.

- Dual LEDs for 360-degree visibility.

- Advanced technology enables this detector to increase its precision in fire detection, improve signals to avoid noise interference and thus reduce unwanted false alarm.

- Low current consumption that allows more detectors to be used with each control panel.

- Dual contacts on the base which enhance the connecting stability between sensor and base.

- All bases are fitted with a shorting spring to permit maintenance without disconnecting when removing the detector head.

Multi-purpose Resettable Type

This unit has designed for relay output feature with optional individual power source and it has been used widely in the current market. This resettable detector is not only use as a fire alarm system but will also supervise input power via an optional relay output for power breakdown or wire break. Fault relay contact will open when power breakdown occur and fire alarm signal will transmitted to connected system or computer terminal when detector is activated. When the alarm signal is absent the detector will automatically return to standby status. Optional built-in buzzer can sound a warning at the first sign of fire. This detector is currently used quite often in security systems and is also promoted for use in communications, banking, shipping or the art business.
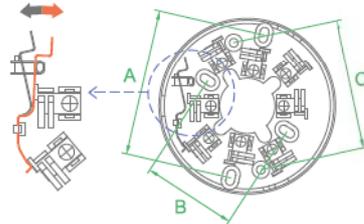
AHMB-031

Multi-Purpose Mounting Base

Design Characteristics

■ The detector base is designed for use on all AH-031 series fire detection devices. It has a built-in shorting spring for use when the detector head is removed, which will prevent an open circuit fault condition at control panel during maintenance.

■ Applies to model nos. AH-0311, AH-0315, and AH-0316.

Diagram
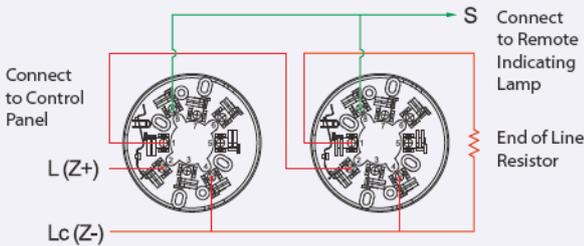
Black : Nomal
Red : Close Circuit

A : 81~89mm
B : 50~59mm
C : 75.5mm

GB-031-S
Height: 27mm

GB-031-T
Height: 34mm

2, 3-Wire Type 3-Wire Type (see green line)

S Connect to Remote Indicating Lamp

Connect to Control Panel

End of Line Resistor

L (Z+)

Lc (Z-)

Resettable

Alarm Output :
Normal Status
5 & 7 short circuit
6 & 7 open circuit
Alarm Status
6 & 7 short circuit
5 & 7 open circuit
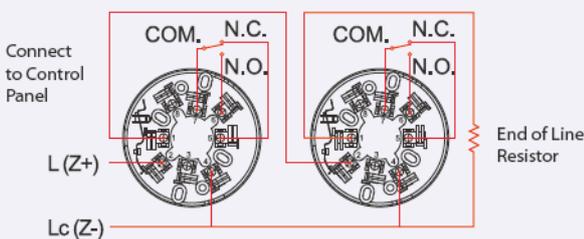
COM. N.C.
N.O.

12 VDC

Disconnection or Power-off Warning :
Normal Status
7 & 8 short circuit
Fault Status
7 & 8 open circuit
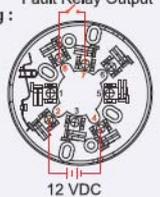
Contact Ratings
0.8A @ 30V DC
0.4A @ 125V AC

Fault Relay Output

12 VDC

4-Wire Type (Relay Output)
Contact Ratings 0.8A @30V DC 0.4A @125V AC

Connect to Control Panel

COM. N.C.
N.O.

COM. N.C.
N.O.

End of Line Resistor

L (Z+)

Lc (Z-)

Fire Alarm Control Panel

Detector

L
LC

L
LC

DC 24V

470Ω 1W

Detector

+
−

L
LC

AHS-871
Photoelectric Smoke Detector

Characteristics

- Detector has a monitoring LED that operates about every 16 seconds (flash) during standby status. When there is smoke, the detector will issue fire signal after 16 consecutive confirmations. (every 0.3 second) If any dust causes flashing or an intermittent signal, it will return to normal status after 32 confirmations.

- The coating of terminal contacts meets the Rohs and provides better results on corrosion and conductive.

- Each detector has added specific components that will effectively isolate interference from electromagnetic fields and lightening strike.

- All detectors use high-density steel for the contacting plate material.

50 mm

111 mm
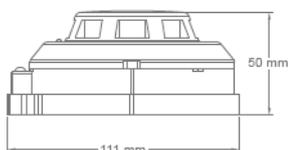
Specifications

Model	AHS-871		
Type	2-wire	3-wire	4-wire
Alarm Contact	N/A	N/A	0.8A @30V DC 0.4A @125V AC
Voltage Range	12 ~ 30V DC		
Alarm Current	Max.30mA		
Standby Current	20 ~ 30µA (Loop response under 75µA)		
Sensitivity Setting	Comply to EN 54		
Ambient Temperature	-10°C ~ +55°C		
Material	Fire-proof plastic		
Dimensions	111mm(Dia.) x 50mm(H)		
Weight	About 170g		
Color	White		

Effective alert area

| Building Height	Area Covered
Under 4M	150 M^2
4 ~ 20M	75 M^2

AH-9315

Combination Smoke and Heat Detector

Characteristics

■ Multi-purpose Design: when there is smoke or heat during pre-fire period, field situation will vary due to different environments. This combination design is to ensure that the pre-fire confirmation will not be affected by varying environments.

■ Smoke gate has a special design to obscure the strong light effectively and allow smoke to come in easily. Water vapor will not gather on the insect guard screen to cause a false alarm.

■ Features an accumulated water discharger to eliminate leakage of water from the water pipes or ceiling which may leak into the detector and cause a false alarm.

■ This detector has passed strict quality control and repetitive testing, hence its quality is stable and highly reliable.
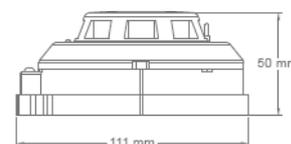
Specifications

Model	AH-9315		
Type	2-wire	3-wire	4-wire
Alarm Contact	N/A	N/A	0.8A @30V DC 0.4A @125V AC
Voltage Range	12 ~ 30V DC		
Alarm Current @24V DC 470Ω	35mA	35mA	30mA
Standby Current	20 ~ 30µA (Loop response under 75µA)		
Sensitivity Setting	Comply to EN54		
Thermal Setting	55℃		
Ambient Temperature	-10℃ ~ +55℃		
Material	Fire-proof plastic		
Dimensions	111mm(Dia.) x 50mm(H)		
Weight	About 170g		
Color	White		

Effective alert area

| Building Height	Area Covered
Under 4M	150 M^2
4 ~ 20M	75 M^2

AHR-871
Mechanical Rate of Rise Heat Detector

Characteristics

■ Heat-sensing diaphragm can operate for unlimited number of times and is not affected by room temperature. The conducting parts use gold coating to avoid oxidation.

■ Uses alloy air equalizer to avoid humidity and stabilize the ventilation function. Alloy itself has many micro-holes that can expel non-fire heat to avoid false alarms.

■ The unit is completely sealed; its function is not affected by humidity, dust or insects.

■ This detector has passed strict quality control through automatic repetitive testing and been calibrated automatically under stable temperature and humidity conditions. Thus, quality and reliability are consistent from the first detector produced to millionth.

45 mm

111 mm
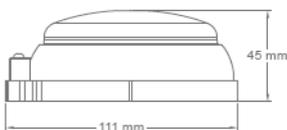
Specifications

Model	AHR-871		
Type	2-wire	3-wire	4-wire
Alarm Contact	N/A	N/A	0.8A @30V DC 0.4A @125V AC
Voltage Range	12 ~ 30V DC		
Alarm Current @24V DC 470Ω	40mA	40mA	35mA
Alarm Temperature	Comply to EN54		
Ambient Temperature	0°C ~ +55°C		
Material	Fire-proof plastic		
Dimensions	111mm(Dia.) x 45mm(H)		
Weight	About 130g		
Color	White		

Effective alert area

| Construction/Height	Under 4M	4M ~ 8M
Fire-proof Building	90 M^2	45 M^2
Ordinary Building	50 M^2	30 M^2

AH-9920

Mechanical Fixed Temperature Heat Detector

Characteristics

- This detector operates on the temperature differential sensing principle, with a UL approved sensor making mechanical contact. It is made of high quality material, providing excellent contact despite any environmental interference.

- This detector is suitable for locations with high temperatures temperature differentials, such as places (kitchen, restaurant and boiler house) where there is constant use of heat.

- This detector has passed strict quality control and repetitive testing; hence its quality is durable and highly reliable.

- Through its professional design, the heat collector can accelerate its response rate after being heated, and has a protective device to avoid accidental response caused by distortion, bumping and dropping in order to increase the reliable product.

- The unit is completely sealed; its function is not affected by humidity, dust or insects.

47 mm

111 mm
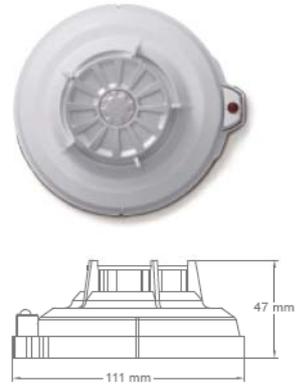
Specifications

Model	AH-9920		
Type	2-wire	3-wire	4-wire
Alarm Contact	N/A	N/A	0.8A @30V DC 0.4A @125V AC
Thermal Setting	70°C or other selections		
Voltage Range	12 ~ 30V DC		
Alarm Current @24V DC 470Ω	40mA	40mA	30mA
Alarm Temperature	Comply to EN54		
Ambient Temperature	-10°C ~ +55°C		
Material	Fire-proof plastic		
Dimensions	111mm(Dia.) x 47mm(H)		
Weight	About 100g		
Color	White		

Effective alert area

| Construction/Height	Under 4M	4M ~ 8M
Fire-proof Building	60 M^2	30 M^2
Ordinary Building	30 M^2	15 M^2

AH-0014
Flame Detector

Description

The detector has wide-angle sensitivity that can reliably and quickly detect weak ultraviolet radiations emitted by flame. It will not react to room illuminations, infra-red or other light sources unrelated to real fire.

47 mm

111 mm

Applications

- Premises with higher ceilings: theater, gym, storage, gallery or warehouse, etc.
- Places where fires happen easily: places storing with combustible goods, gas stations, factory working places, machine rooms, etc.
- Ventilate places: open markets, station platforms, hotel lobbies, department stores, etc. (places that smoke and heat can not gather during early period of fire)
- Others: tunnels, computer rooms, etc.
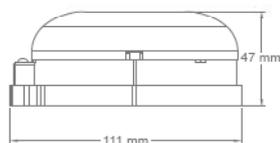
Specifications

Model	AH-0014		
Type	2-wire	3-wire	4-wire
Alarm Contact	N/A	N/A	0.8A @30V DC 0.4A @125V AC
Voltage Range	12 ~ 30V DC		
Alarm Current @24V DC 470Ω	35mA	35mA	30mA
Standby Current	45µA		
Sensor Type	Ultraviolet		
Sensitivity Angle	120°		
Sensitivity Range	It can detect flame of 15mm at distance of 3m		
Ambient Temperature	-10℃ ~ +55℃		
Material	Fire-proof plastic		
Dimensions	111mm(Dia.) x 47mm(H)		
Weight	About 170g		
Color	White		

Installation Instructions

1. Install at obstruction-free places.

2. Avoid installing near mercury lamps, halogen lamps and sterilization lamps.

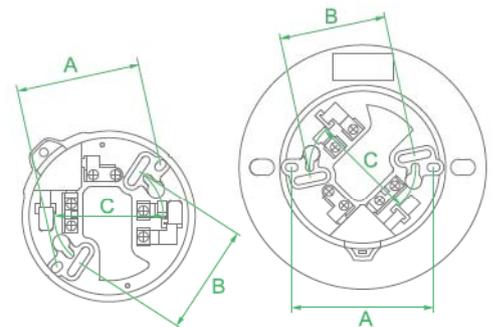3. Avoid installing within sensitive range of welding sparks and radiation.

Large 6"

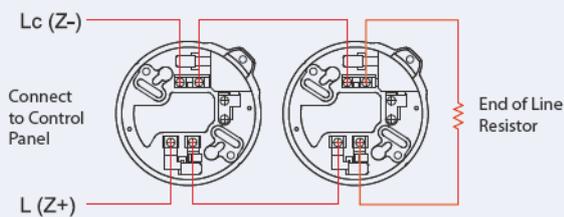
Regular 4"

Mounting Base

Design Characteristics

- Major advantage of using the compatible mounting base is to avoid wasting time selecting proper detectors for various purposes and be able to install the base quickly and continuously. Afterwards, just plug-in proper detector head to complete the project.

- Large 6" mounting base is basically designed to match the entire decoration design.

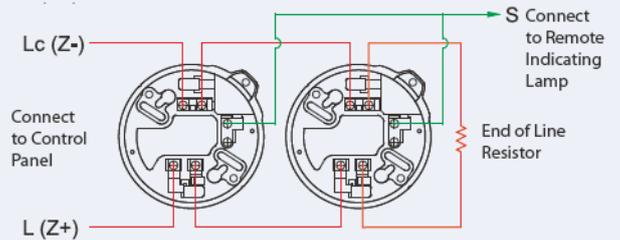- Applies to model nos. AHS-871, AH-9315, AHR-871, AH-9920, and AH-0014.

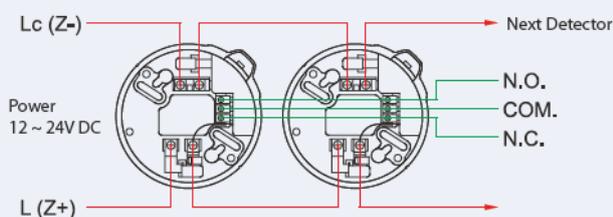A : 74~88.5 mm   B : 40~80 mm   C : 66.5 mm

2-Wire Type (Regular)

Lc (Z-)

Connect to Control Panel

L (Z+)

End of Line Resistor

3-Wire Type (Signal Transfer)

Lc (Z-)

Connect to Control Panel

L (Z+)

S Connect to Remote Indicating Lamp

End of Line Resistor

4-Wire Type (Relay Output)
Contact Ratings 0.8A @30V DC 0.4A @125V AC

Lc (Z-)

Power 12 ~ 24V DC

L (Z+)

Next Detector

N.O.
COM.
N.C.

Fire Alarm Control Panel   Detector

L   L
LC   LC

DC 24V   470Ω 1W   Detector

+   L
−   LC

Order information

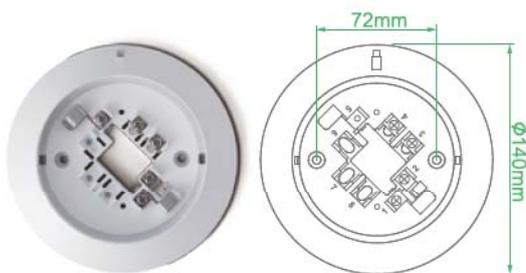| Regular 4"			
Model	AHMB-L	AHMB-L3	AHMB-L4
Type	2-wire	3-wire	4-wire

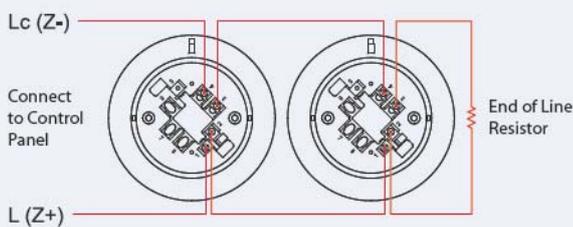| Large 6"			
Model	AHMB-62	AHMB-63	AHMB-64
Type	2-wire	3-wire	4-wire

Implanted-Type Mounting Base

Design Characteristics

■ This unique mounting base is set into the ceiling and it is designed to match a room's original decoration design and visual effect perfectly. Furthermore, it will make the entire decoration look even better.

■ This base has an optional Power-off Warning feature to ensure that the system will operate normally.

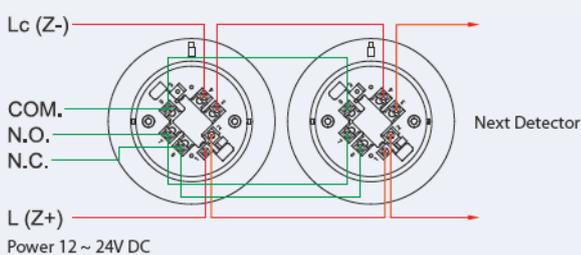■ Applies to model nos. AHS-871, AH-9315, AHR-871, AH-9920 and AH-0014.

72mm
Φ140mm

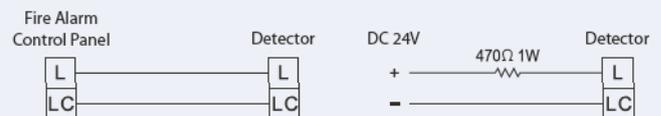### 3-Wire Type (Signal Transfer)

Lc (Z-)

Connect to Control Panel

End of Line Resistor

L (Z+)

S Connect to Remote Indicating Lamp

Fire Alarm Control Panel   Detector

L   L
LC   LC

DC 24V   470Ω 1W   Detector

+   L
-     LC

2-Wire Type (Regular)

Lc (Z-)

Connect to Control Panel

End of Line Resistor

L (Z+)

4-Wire Type (Relay Output)
Contact Ratings 0.8A @30V DC 0.4A @125V AC

Lc (Z-)

COM.
N.O.
N.C.

Next Detector

L (Z+)
Power 12 ~ 24V DC
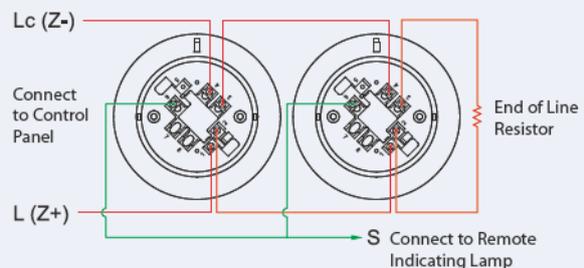
Order information

Model	Features, Application
AHMB-2	2-wire Apply to fire alarm control panel.
AHMB-3	3-wire Auxiliary for remote indicating lamp.
AHMB-4	4-wire 12~24VDC, optional one set of relay output. Apply to security system...etc.

QA31
Single Station Smoke Detector

Characteristics

- The QA31 features advanced photoelectric technology for precise detection. When smoke is detected or the manual test button is pressed, the buzzer sounds and LED flash.

- Low-Battery Warning: Unit beeps and LED flash intermittently to indicate battery needs replacing.

- Simple test method: Press test button to hear the alarm sound and confirm the unit is in normal condition.

- Easy installation: Install directly to proper location without any wiring.

- It is equipped with 9VDC battery, and optional 110VAC or 220VAC power plug is available.

- Optional relay output : COM. NO. NC.

- Optional series connection wiring can co-activate up to 15 detectors.

40 mm

105 mm
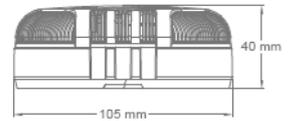
Specifications

Model	QA31
Power	9V battery
Sensitivity Setting	Comply to EN54
Indicator	Standby: flash every 40 seconds
	Alarm: flash and beep continuously
	Battery abnormal: beeps and flash intermittently
Sound	90dB / M and above
Ambient Temperature	-10℃ ~ +55℃
Material	Fire-proof plastic
Dimensions	105mm(Dia.) x 40mm(H)
Weight	About 150g
Color	White
Optional Function	Type 1 : 9V battery
	Type 2 : includes signal transfer COM. N.O. N.C.
	Type 3 : build-in 110VAC or 220VAC plug
	Type 4 : Type 2 + Type 3

Effective alert area

| Building Height	Area Covered
Under 4M	150 M^2
4 ~ 20M	75 M^2

AH-0822
Gas Detector

Characteristics

■ The AH-0822 features advanced technology, high accurate detection, low power-consumption and fast reaction time. It can detect natural gas and propane gas. Built-in buzzer and LED indicator alert by sounding and flashing.

■ Sounding and flashing in alarm status; the green LED is lit during monitoring and the red LED flashes in alarm status.

■ Dual power input: 12VDC and 24VDC operation in the same unit. No adjustment is required.

■ Dual output relays: Opto-isolator output and Remote LED output

■ Optional 110VAC or 220VAC adaptor is available.

40.5mm
102mm

Specifications

| Model	AH-0822	
Power Source	24V DC	12V DC
Standby Current	40~45mA	65~70mA
Alarm Current	75~80mA	90~95mA
Warm-up Period	About 35 seconds	
Alarm Sound	90dB/M and above	
Sensitivity	0.05 ~ 0.30%	
Detection Type	Natural Gas & Propane Gas	
Ambient Temperature	-10℃ ~ +55℃	
Dimensions	102 mm (Dia.) x 40.5 mm(H)	
Weight	About 130g	
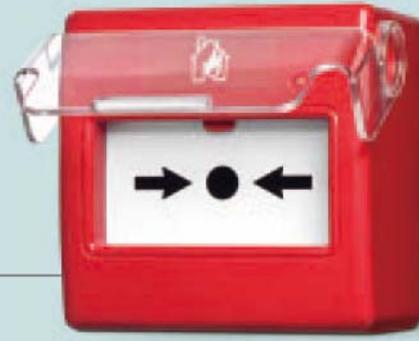
AH-0817
Resettable Manual Call Point

Features

■ Red LED with current limiting resistor.

■ Three different resistance selectable (270, 470, 680 ohm).

■ Choice of red, yellow, blue or green finish also available for custom-made.

■ Clear protection cover is also available (optional).

Specifications

Model	AH-0817
Operating Contact	6A 125/250VAC
Resistance	30mΩ
Ambient Temperature	-25℃ ~ +85℃
Dimensions	87.5mm (H) x 87.5mm (W) x 54mm (D)
Weight	About 145g

Wiring

V-	V-	V+	V+
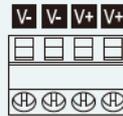
Jumper Selections

J1 J2 J3

Clean normally open contact - No LED possible

Blocking diode selected - No LED possible

Used for future application

270 ohm resistor selected - LED illuminates when the call point is activated

470 ohm resistor selected - LED illuminates when the call point is activated

680 ohm resistor selected - LED illuminates when the call point is activated

EN listed

AH-0217
Manual Call Point

CE listed

Features

- Available in flush or surface mounted models.
- Plastic film on glass.
- Test key inserted from bottom.
- Suitable for the majority of conventional fire alarm system.
- Clear protection cover is also available (optional).
- Choice of red, yellow, blue or green finish also available for custom-made.

Specifications

Model	AH-0217
Operating Contact	6A 125/250VAC
Resistance	30mΩ
Ambient Temperature	-25°C ~ +85°C
Dimensions	88mm(H) x 88mm(W) x 52mm(D)
Weight	About 165g

AH-9717
Manual Call Point

AH-9717

AH-9717 with base

Features

- Emergency press alarm, immediately activates fire alarm signal.

- Indicator light above fire alarm push-button confirms the alarm signal transfer.

- There are a phone jack and reset button behind the cover cap.

- Type I is simultaneous dual loop, Type II is simultaneous dual signal transfer (refer to diagram below)

- Optional base is available.

Specifications

Model	AH-9717
Operating Power	24V DC 30mA
Operating Contact	Max. 30V DC 500mA
Sub-function	Phone jack, confirmation lamp, reset button.
Material	Fire-proof plastic
Dimensions	140mm(Dia.) x 45mm(H)
Weight	About 160g

Type I

A — T
$L\ (Z+)$
Tc
$Lc\ (Z-)$

Type II

A — T
$L\ (Z+)$
Tc
$Lc\ (Z-)$ — B

220V AC 0.4A
24V DC 0.8A
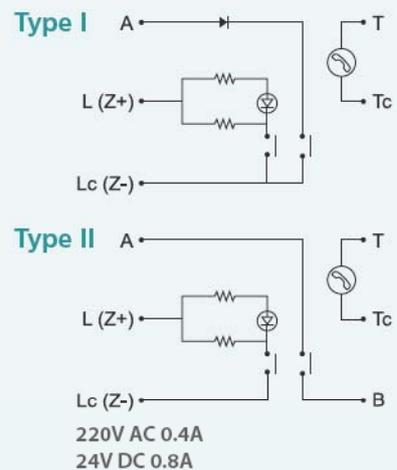
AH-03127-BS

AH-03127
Electronic Sounder and Beacon

AH-03127-S

General

This electronic sounder is designed for use with fire alarm systems, security systems and industrial signaling systems. Combined sounder and beacon provides an audio-visual warning which is suitable for places where high sound output and visual indication is required.

Characteristics

- 32 signal tones selectable by Dip switch.
- High sound output with low current consumption.
- High efficiency lens for maximum light output.
- Volume Control as standard.
- Two sets of IN and OUT terminals, easy for installation.

Specifications

Model	AH-03127-S	AH-03127-BS
Voltage	24V DC	
Current Consumption 24V DC (tone 3)	14.5mA	
Sound Output 24V DC dB (A) at 1 meter	Max. 114	
Volume Control	0 to -20dB adjustment	
Ingress Protection	IP44	
Ambient Temperature	-25°C ~ +80°C	
Material	ABS plastic	
Dimensions	92.5mm(Dia.) x 94mm(H)	92.5mm(Dia.) x 110mm(H)
Weight	254g	278g

Order information

AH-03127-S	Electronic Sounder
AH-03127-BS	Electronic Sounder and Beacon

Fire Alarm Bell & Indicating Lamp

AH-9719

AH-9718

AH-0218

AH-0218 Fire Alarm Bell 6"

Features

- High efficiency low current consumption on 24VDC motorized bells.
- Terminals will accept 2.5mm cables.
- Simple installation via multi-fixing base plate for all types of location.
- Fitted with two series diodes for fault monitoring.
- Option of customized discs printed with company name and logo.
- 12VDC bells are also available.

Approvals: EN54 LPCB 506e/01 CE

AH-9718 Fire Alarm Bell 4"

Features

- Motor energized, low power consumption (28mA), long operating life.
- Bell shell is made of steel plate, so it will sound loud and clear.
- 220VAC bells are also available.

Approvals: CE

AH-9719 Fire Indicating Lamp

Features

- Uses white bulb (or low current LED) and installed inside the red lamp cover.
- When lit, it is clear visible within 10 meters.

Approvals: CE

Specifications

Model	AH-0218	AH-9718	AH-9719
Dimensions	ø6" (152mm) x 56mm(H)	ø4" (100mm) x 50mm(H)	90mm(Dia.) x 70mm(H)
Voltage	24V DC	-	-
Current	25mA	-	-
Consumption Current	-	24V DC 28mA	24V DC 60mA / LED 20mA
Energize Type	-	Motor	-
Sound Output	93dB @1M	90dB/M and above	-
Movement	Motor, Pinion and striker	-	-
Movement Features	DC Motor, acetral gear wheel, steel striker	-	-
Gong	Steel, secured with phillips screw	-	-
Base Plate	Molded black polycarbonate	-	-
Material	Steel plate	Steel plate	-
Bulb	-	-	30V/2W white bulb or LED
Lamp Cover	-	-	Fire-proof plastic
Lamp Base	-	-	Fire-proof plastic
Weight	About 850g	About 450g	About 70g

AH-413
AH-01313
Remote Indicating Lamp

AH-413

AH-01313
UL listed

Features

This unit is designed to ensure that alarm signal can be actually transmitted to all locations. Especially for a closed room, any fire inside can be indicate outside.
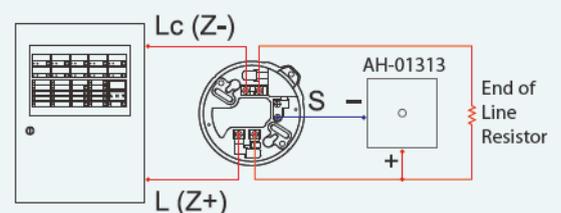
Characteristics

■ Outstanding look from the design of art

■ Low current consumption

■ High intensity LED for quick identification

■ Larger indicating lamp. (Model. AH-413)

■ Applicable for 12VDC and 24VDC (Model. AH-413)

■ Flash light is available for optional feature (Model. AH-413)

Specifications

Model	AH-413	AH-01313
Power Source	12/24V DC	24V DC
Alarm Current @24V DC	15mA	12mA
Standby Current	N/A	
Ambient Temperature	-10℃ ~ +55℃	
Material	Fire-proof plastic	
Color	White surface/ Red LED	
Dimensions	85mm(H)x85mm(W) x23mm(D)	70mm(H)x70mm(W) x15mm(D)
Weight	About 28g	About 32g

Wiring Diagram

Fire Alarm Control Planel

Lc (Z-)

AH-413

S

End of Line Resistor

L (Z+)

Lc (Z-)

AH-01313

S

End of Line Resistor

L (Z+)

02-429-6466   vrsecutech   @vrsecutech   www.secutech.co.th
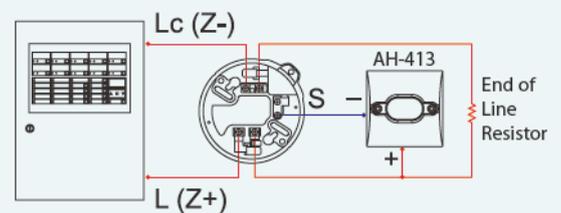
QA12 & 5-QA12
Fire Alarm Control Panel

QA12

Characteristics

■ Alarm verification up to 7 seconds for real fire confirmation and avoid false alarm from environment interference.

■ Zone test mode to perform alarm and fault functional test.

■ Each zone has a separate disable function.

■ Fault indications for wire disconnection, unstable AC power, battery short circuit or disconnection and internal PCB unplug.

■ 5-QA12 only up to 5 zones, QA12 could up to 80 zones.

5-QA12

Specifications

Model	5-QA12	QA12
Power	220V AC, 50/60Hz *Others also available	
Battery Capacity	24V/4Ah	
# of heat detectors connected	No limit *Except electronic-type	
# of smoke detectors connected	30/zone *Horing Lih manufactured	
End of Line Resistor	10kΩ *One per zone	
Material	1.2mm steel plate	
Color	Pearl gray *Others also available	
Dimensions (mm) H x W x D	320 x 250 x 100	10 zone : 450 x 330 x 130 20 zone : 550 x 330 x 130 30 zone : 680 x 380 x 150 40 / 50 zone : 950 x 420 x 150 60 ~ 80 zone : 1300 x 420 x 170

1 Zone

AH-00212
Fire Alarm Control Panel

LED Description

- **FIRE** : Indicates fire status
- **Power** : Indicates unit is in normal status
- **Short C.** : Indicates short-circuit
- **Discon.** : Indicates disconnection
- **S.T.** : Controls H1 & H2 for activation, light on means inactive
- **Bell** : Activates unit's sounder and external bell, light on means inactive
- **Reset** : Turns system back to initial status

AH-02124 Annunciator

Specifications

Model	AH-00212
Power	220V AC/50Hz *Others also available
Battery Capacity	24V DC 0.8Ah
Charging Voltage, Current	26V DC 100~400mA *With auto adjustment function
Exterior Resistance	Round-trip under 50Ω
# of heat detectors connected	No limit *Except electronic-type
# of smoke detectors connected	30/zone *Horing Lih manufactured
Max. Output Current	500mA
Digital Switch	500000 Cycles Min. reliability
End of Line Resistor	10kΩ *One per zone
Material	1.2mm steel plate
Color	Ivory white *Others also available
Dimensions	280mm (H) x 160mm (W) x 70mm (D)

AH-04224 Annunciator

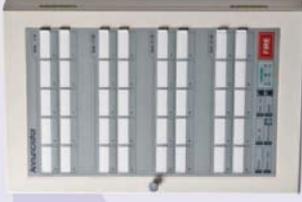32 Zone

8 Zone

4 Zone

AH-03312
Fire Alarm Control Panel

Characteristics

- Model range from 1 to 32 zones.
- AC power supply has EMI (Electromagnetic Interference).
- Each zone has a separate disable function.
- Double sets of sounder contacts.
- Automatic telephone dialer feature.
- Long-term or temporary silencing feature.
- Protection against voltage spikes up to 2.5KV.
- Microprocessor-base design.
- Sounder short circuit or disconnection detection.
- Fire Alarm NO, NC, COM and Fault NO, NC, COM output contact points.
- Fire Relay Output contacts and Fault Relay Output contacts.
- Switch membrane provides longer service and is waterproof, dust resistant and easy to clean.

Specifications

	32 Zone	8 Zone	4 Zone
Model	AH-03312-32L	AH-03312-8L	AH-03312-4L
Power	220V AC/50Hz *Others also available		
Battery Capacity	24V/12Ah	24V/7Ah	24V/4Ah
Max Output Current	2A @24V DC		
# of heat detectors connected	No limit *Except electronic-type		
# of smoke detectors connected	30/zone *Horing Lih manufactured		
Max. No. of Bells @25mA	40 per sounder circuit		
End of Line Resistor	4.7kΩ *One per zone		
Material	1.2mm steel plate		
Dimensions	550mm(H) 400mm(W) 150mm(D)	370mm(H) 340mm(W) 135mm(D)	320mm(H) 250mm(W) 100mm(D)
Optional Features	1. Output for extinguishing facility and activated only when alarm from 2 cross-zones. 2. LCD display (2x20) with simple function keypad		N/A

Multi-Hazard Suppression Systems

AH-03233

AH-03232

AH-02120

AH-02120 Multi-Hazard Suppression Control Panel

- This compact and esthetic unit is ideally suited for a variety of agent-releasing applications such as FM-200, CO_2, Dry & Wet Chemical.
- Large unit accommodating more zones are also available.
- Agent can be releasing automatically or manually.
- System enables highly reliable monitoring and suppression control.
- Audible and visible indication when system has fault condition.
- Digital release countdown.

AH-03233 Releasing Indicator

- The display can be set according to customer's requirements.

AH-03232 Manual Pull Station

- Emergency Start/Stop switch, Auto/Manual key switch.
- Power LED, Releasing LED, Start LED, Stop LED, Auto LED, and Manual LED.
- Digital release countdown.

Specifications

Model	AH-02120
Power	220V AC/50Hz *Others also available
Battery Capacity	24V DC 4Ah
Zone Voltage	24V DC
EOL Resistance	10kΩ
Detection Type	Cross-zone detection
# of heat detectors connected	No limit *Except electronic-type
# of smoke detectors connected	30/zone *Horing Lih manufactured
Dimensions	420mm(H) x 380mm(W) x 130mm(D)
Color	Ivory

Specifications

Model	AH-03233
Supply Voltage	24V DC 670mA (bulb) 310mA (LED)
Light Source	1W bulb x 18 or ø5 LED RED x 28
Display Type	Non-flash
Material	0.8mm stainless steel
Color	Red
Dimensions	155mm(H) x 405mm(W) x 60mm(D)

Specifications

Model	AH-03232
Supply Voltage	24V DC
Material	1.2mm stainless steel
Color	Red
Dimensions	160mm(H) x 165mm(W) x 50mm(D)

Model	Description	Packing	N.W(KG)	G.W(KG)	Measurement(mm)
QA16	1~4 loop with battery	1set/ctn	17.0	18.0	550×450×180
QA16	5~8 loop with battery	1set/ctn	24.0	26.0	650×550×200
QA01		100pcs/ctn	15.0	20.0	545×470×335
QA05		100pcs/ctn	15.0	20.0	545×470×335
QA06		100pcs/ctn	13.5	18.5	545×470×335
QA19	without base	60pcs/ctn	10.5	14.0	520×305×460
QA0817	without cover	100pcs/ctn	15.0	18.5	460×295×385
Q01-2	2-wire	100pcs/ctn	12.5	17.5	545×470×335
Q05-2	2-wire	100pcs/ctn	12.5	17.5	545×470×335
Q06-2	2-wire	100pcs/ctn	13.5	18.5	545×470×335
AH-0621-2	2-wire	100pcs/ctn	12.5	17.5	545×470×335
8011-2	2-wire	100pcs/ctn	12.5	17.5	545×470×335
AH-0715-2	2-wire	100pcs/ctn	12.5	17.5	545×470×335
8016-2	2-wire	100pcs/ctn	11.5	15.5	545×470×335
AH-0633-2	2-wire	100pcs/ctn	14.0	19.0	545×470×335
AH-0311-2	2-wire	100pcs/ctn	15.0	20.0	550×440×330
AH-0315-2	2-wire	100pcs/ctn	15.0	20.0	550×440×330
AH-0316-2	2-wire	100pcs/ctn	14.0	19.5	550×440×330
AHS-871	2-wire	100pcs/ctn	15.5	20.0	545×470×335
AH-9315	2-wire	100pcs/ctn	15.5	20.0	545×470×335
AHR-871	2-wire	100pcs/ctn	13.0	18.0	545×470×335
AH-9920	2-wire	100pcs/ctn	9.0	13.5	545×470×335
AH-0014	2-wire	100pcs/ctn	15.0	20.0	545×470×335
QA31	Type 1	100pcs/ctn	15.5	20.0	545×470×335
AH-0822	without adaptor	100pcs/ctn	15.0	18.0	545×470×335
AH-0817	without cover	100pcs/ctn	14.5	18.0	460×295×385
AH-0217	without cover	100pcs/ctn	16.5	20.0	460×295×385
AH-9717	without base	60pcs/ctn	9.0	13.0	520×305×460
AH-03127-S		50pcs/ctn	12.5	16.5	510×500×245
AH-03127-BS		50pcs/ctn	13.5	17.5	510×500×245
AH-0218		20pcs/ctn	17.0	19.5	345×370×370
AH-9718		50pcs/ctn	22.5	24.5	560×230×285
AH-9719		100pcs/ctn	6.5	10.5	510×410×415
AH-01313		500pcs/ctn	17	22	510×410×415
AH-413		200pcs/ctn	6.0	9.5	460×295×385
QA12	10 zone without battery	1set/ctn	9.0	10.0	510×390×190
5-QA12	without battery	1set/ctn	6.0	7.0	385×320×170
AH-00212	1 zone with battery	1set/ctn	3.5	4.0	330×180×95
AH-03312-4L	without battery	1set/ctn	5.0	6.0	390×325×170
AH-03312-8L	without battery	1set/ctn	8.0	9.0	440×405×200
AH-03312-32L	without battery	1set/ctn	15.0	17.0	615×465×230
AH-02120	with battery	1set/ctn	13.0	14.0	470×430×180
AH-03232		1set/ctn	0.5	1.0	230×190×120
AH-03233		1set/ctn	1.5	2.0	410×170×100