Q01

Photoelectric Smoke Detector

Characteristics

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

■ Detector is made of high endurance, solid and colorfast Fireproof 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. Bi-color LED, Stand-by Status: Green; Alarm Status: Red.

Approvals: EN54 (LPCB) 506a/05/06/07 CE

48 mm
102 mm

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

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		

HORING LIH INDUSTRIAL CO., LTD.

AH-031 Series

AH-0311

AH-0315

AH-0316

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

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.

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.

AH-0311

Multi-Purpose Smoke Detector

Approvals: EN54 (LPCB) 506a/02/03/04 CE

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℃ ~ +55℃		
Material	Fire-proof plastic		
Dimensions	102mm(Dia.) x 49mm(H)		
Weight	155g	157g	165g
Color	White		

Order information

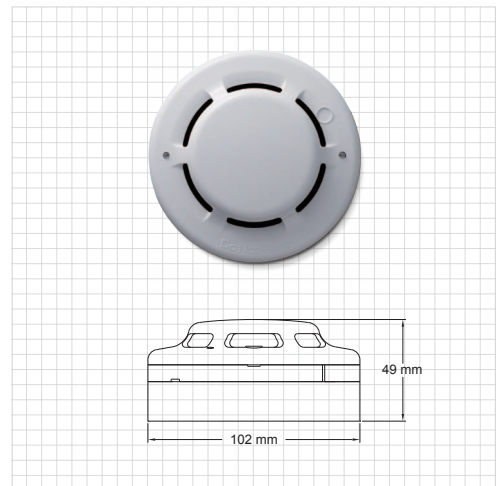|	
AH-0311-2	2-wire
AH-0311-3	3-wire with remote indicator output
AH-0311-4	4-wire with relay output

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 M^2
4 ~ 20M	75 M^2

49 mm

102 mm

Ⓗ® HORING LIH INDUSTRIAL CO.,LTD.

AH-031 Series

AH-0311

AH-0315

AH-0316

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

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.

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.

AH-0311

Multi-Purpose Smoke Detector

Approvals: EN54 LPCB 506a/02/03/04 CE

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℃ ~ +55℃		
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 M^2
4 ~ 20M	75 M^2

49 mm

102 mm

HL® HORING LIH INDUSTRIAL CO.,LTD.

Q01

Photoelectric Smoke Detector

Characteristics

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

■ Detector is made of high endurance, solid and colorfast Fireproof 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. Bi-color LED, Stand-by Status: Green; Alarm Status: Red.

Approvals: EN54 LPCB 506a/05/06/07 CE

48 mm

102 mm

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

Specifications

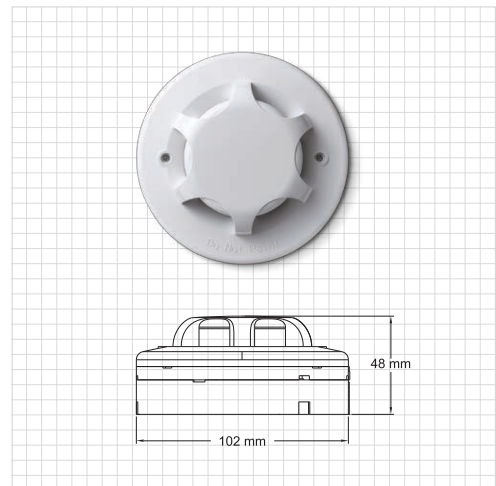| Model	Q01-2	Q01-3	Q01-4
Alarm Contact	N/A	N/A	0.8A @30V DC 0.4A @125V AC
Voltage Range	12 ~ 30V DC		
Alarm Current @24V DC 470Ω	40mA	40mA	45mA
Standby Current	25 ~ 75µA		
Sensitivity Setting	Comply to EN54		
Ambient Temperature	-10℃ ~ +55℃		
Material	Fire-proof plastic		
Dimensions	102mm(Dia.) x 48mm(H)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

HORING LIH INDUSTRIAL CO., LTD.

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 on 3-wire base. 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.

Approvals: (UL) CE

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

HORING LIH INDUSTRIAL CO., LTD.

NQ3F

Single Station Heat Detector

Characteristics

• Voice warning in English.

• Low power consumption, powered by 3V long-life lithium batteries for 10 years.

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

• 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.

• Magnetic testing device makes maintenance easy and simple.

Specifications

Model	NQ3F
Power	3V lithium battery
Thermal Setting	70°C
Sound	90dB / M and above
Ambient Temperature	0°C ~ +50°C
Material	Fire-proof plastic
Dimensions	110mm (H) x 110mm (W) x 49mm (D)
Weight	About 120g
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

110mm

102mm

49mm

110mm

CE

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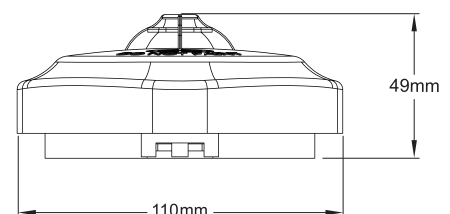
AHR-871

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.

Approvals: CE

45 mm
111 mm
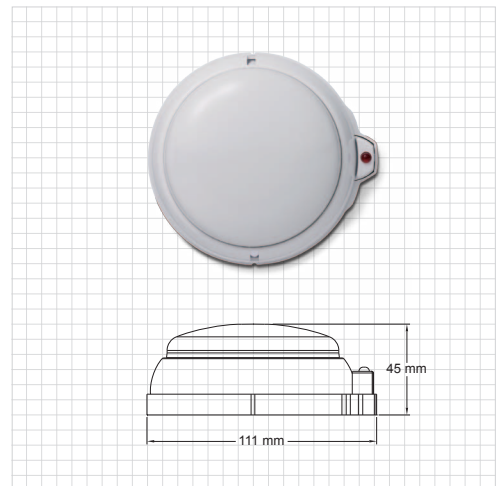
Specifications

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

HORING LIH INDUSTRIAL CO.,LTD.

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 on 3-wire base. Simple and easy module placement enables wider application and flexible stock control.

- Detector is made of high endurance, solid and colorfast Fireproof 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. Bi-color LED, Stand-by Status: Green; Alarm Status: Red.

Approvals: EN54 LPCB 506b/04/05/06 CE
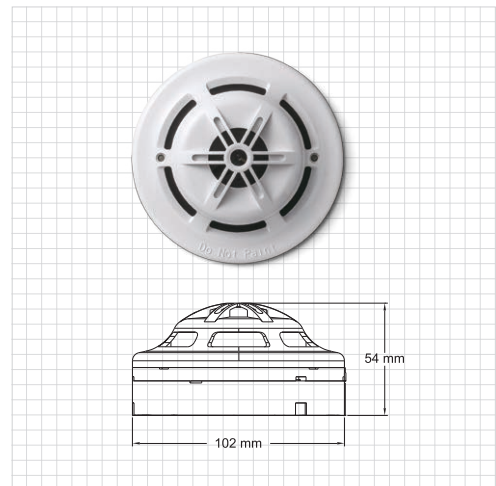
Specifications

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

54 mm

102 mm

**HORING LIH INDUSTRIAL CO., LTD.**

NQ9F

Single Station Heat Detector

Characteristics

- Detector has passed strict quality control and repetitive testing; hence its quality is durable and highly reliable.
- 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 100~240VAC power plug is available.
- Optional relay output : COM. NO. NC.
- Optional series connection wiring can co-activate up to 20 detectors.

Approvals: CE
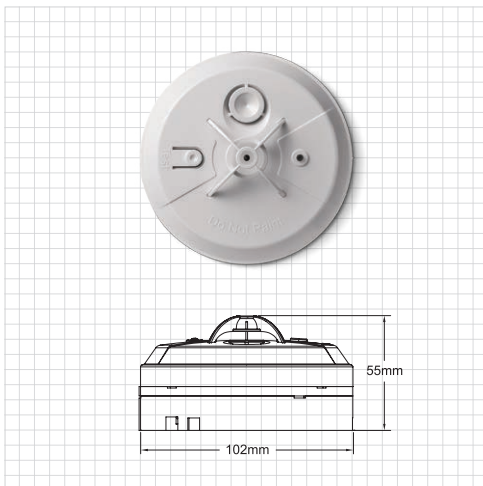
55mm

102mm

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

Specifications

| Model	NQ9F
Power	9V battery
Thermal Setting	70°C
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°C ~ +55°C
Material	Fire-proof plastic
Dimensions	102mm(Dia.) x 55mm(H)
Weight	About 150g
Color	White
Optional Function	Type 1 : 9V battery
	Type 2 : includes signal transfer COM. N.O. N.C.
	Type 3 : Type 2 + Type 4
	Type 4 : build-in 110VAC or 220VAC plug

HORING LIH INDUSTRIAL CO., LTD.

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 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.

Approvals: CE
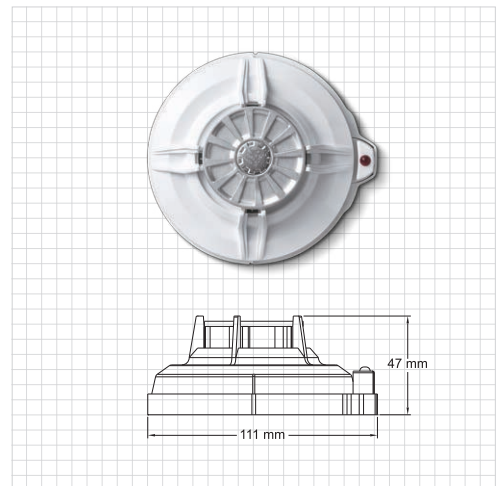
Specifications			
Model	AH-9920		
Type	2-wire	3-wire	4-wire
Alarm Contact	N/A	N/A	0.8A @30V DC 0.4A @125V AC
Thermal Setting	70℃ or other selections		
Voltage Range	12 ~ 30V DC		
Alarm Current @24V DC 470Ω	40mA	40mA	30mA
Alarm Temperature	Comply to EN54		
Ambient Temperature	-10℃ ~ +55℃		
Material	Fire-proof 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

47 mm

111 mm

HORING LIH INDUSTRIAL CO., LTD.

NQ618 & NQ418

NQ618

NQ418

Fire Alarm Bell

Fire Alarm Bell

Features

■ Bell with plastic base, total insulation from electricity and easy installation.

■ Motor energized, low power consumption, long operating life.

■ Bell shell is made of steel plate, so it will sound loud and clear.

■ 12VDC bell is available.

Approvals: C E

Specifications		
Model	NQ618	NQ418
Dimensions	ø6" (152mm) x 58mm (H)	ø4" (100mm) x 52mm (H)
Voltage	24V DC	
Current	28mA	
Sound Output	90dB @1M	
Material	Steel Plate	
Base Plate	ABS plastic	
Weight	About 810g	About 375g

HORING LIH INDUSTRIAL CO., LTD.

NQ618 & NQ418

NQ618

Fire Alarm Bell

NQ418

Fire Alarm Bell

Features

■ Bell with plastic base, total insulation from electricity and easy installation.

■ Motor energized, low power consumption, long operating life.

■ Bell shell is made of steel plate, so it will sound loud and clear.

■ 12VDC bell is available.

Approvals: C E

Specifications		
Model	NQ618	NQ418
Dimensions	ø6" (152mm) x 58mm (H)	ø4" (100mm) x 52mm (H)
Voltage	24V DC	
Current	28mA	
Sound Output	90dB @1M	
Material	Steel Plate	
Base Plate	ABS plastic	
Weight	About 810g	About 375g

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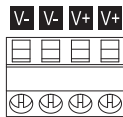
AH-0817

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).

Approvals: EN54 LPCB 506d/02 CE

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

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

® HORING LIH INDUSTRIAL CO.,LTD.

AH-9717

AH-9717
Manual Call Point

AH-9717

AH-9717 with base

Manual Call Point

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.

Approvals: $C\epsilon$

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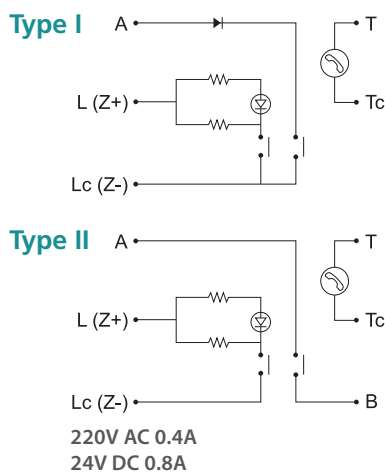
Specifications	
Model	AH-9717
Operating Power	24V DC 30mA
Operating Contact	Max. 30V DC 500mA
Sub-function	Phone jack, confirmation LED, reset button.
Material	Fire-proof plastic
Dimensions	140mm(Dia.) x 45mm(H)
Weight	About 160g

HORING LIH INDUSTRIAL CO.,LTD.

AH-0217

EN listed

CE listed

Manual Call Point

AH-0217

Manual Call Point

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.

Approvals: EN54 (LPCB 506d/01) CE

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

HORING LIH INDUSTRIAL CO.,LTD.

AH-03127

AH-03127-BS

AH-03127-S

Electronic Sounder and Beacon

Electronic Sounder and Beacon

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.

Approvals: EN54 LPCB 506e/02/03 CE

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℃ ~ +80℃	
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

HORING LIH INDUSTRIAL CO.,LTD.

AH-03127

AH-03127-BS

AH-03127-S

Electronic Sounder and Beacon

Electronic Sounder and Beacon

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.

Approvals: EN54 (LPCB) 506e/02/03 CE

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℃ ~ +80℃	
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

® HORING LIH INDUSTRIAL CO.,LTD.

AH-413
AH-01313

Remote Indicating Lamp

AH-01313
UL listed

AH-413

AHMB-071

Lc (Z-)
AH-413
S −
End of Line Resistor
+
L (Z+)
"A"
Fire Alarm Control Panel

Lc (Z-)
AH-01313
S −
End of Line Resistor
+
L (Z+)
"A"
Fire Alarm Control Panel

AHMB-031

L (Z+)
AH-413
S −
End of Line Resistor
+
Lc (Z-)
"A"
Fire Alarm Control Panel

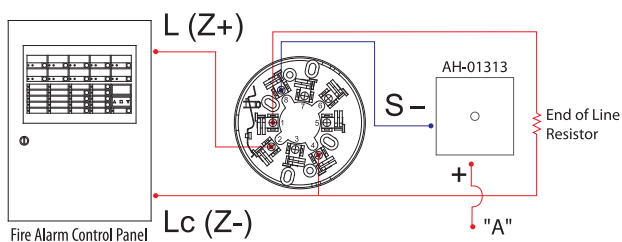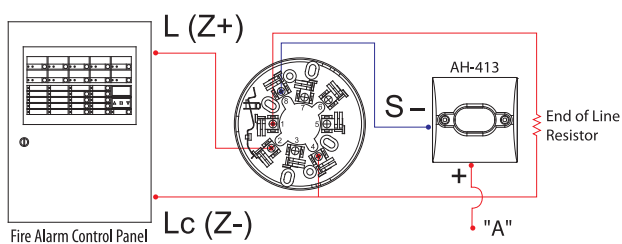L (Z+)
AH-01313
S −
End of Line Resistor
+
Lc (Z-)
"A"
Fire Alarm Control Panel
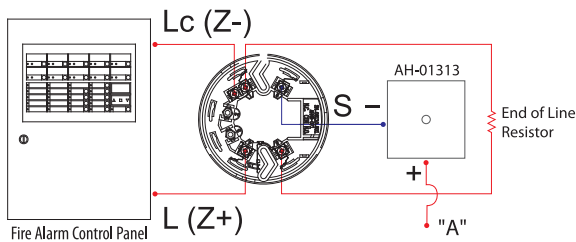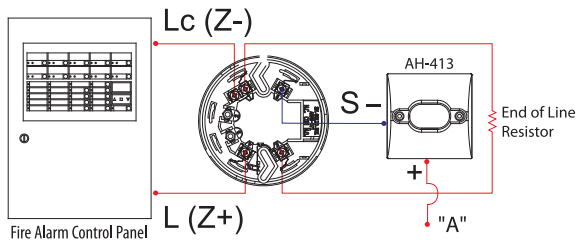
Contacts "A" to
(1) Fire 24V AUX contacts
(2) Fire Zone L(Z+)

Features

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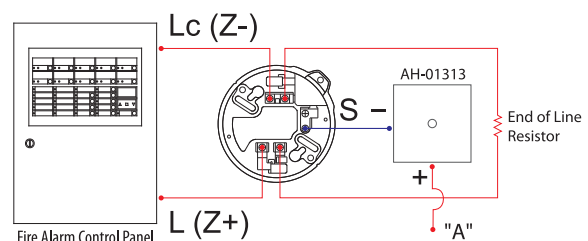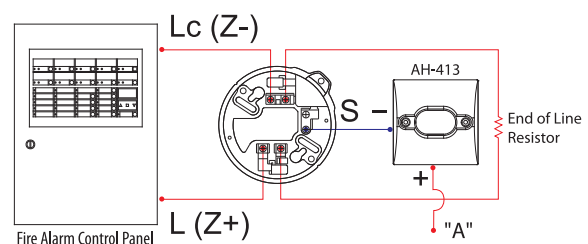
Characteristics

- 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

Lc (Z-)
AH-413
S −
End of Line Resistor
+
L (Z+)
"A"
Fire Alarm Control Panel

Lc (Z-)
AH-01313
S −
End of Line Resistor
+
L (Z+)
"A"
Fire Alarm Control Panel

CE (UL)

HORING LIH INDUSTRIAL CO.,LTD.

AH-0218
AH-9719

Fire Alarm Bell & Indicating Lamp

AH-9719

AH-0218

AH-0218 Fire Alarm Bell 6"

- 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.

AH-9719 Fire Indicating Lamp

- Uses white bulb (or low current LED) and installed inside the red lamp cover.

- When lit, it is clear visible within 10 meters.

Specifications

Model	AH-0218
Dimensions	ø6" (152mm) x 56mm(H)
Voltage	24V DC
Current	25mA
Sound Output	93dB @1M
Movement	Motor, Pinion and striker
Movement Features	DC Motor, acetal gear wheel, steel striker
Gong	Steel, secured with phillips screw
Base Plate	Molded black polycarbonate
Material	Steel plate
Weight	About 850g

Specifications

Model	AH-9719
Dimensions	90mm(Dia.) x 70mm(H)
Consumption Current	24V DC 60mA / LED 20mA
Bulb	30V/2W bulb or LED
Lamp Cover	Fire-proof plastic
Lamp Base	Fire-proof plastic
Weight	About 70g

AH-0218

EN54 LPCB CE
506e/01

AH-9719

CE

HORING LIH INDUSTRIAL CO.,LTD.

Approvals

CE

1 Zone

1 ~ 10 Zone

AH-02124

Specification

Model	AH-00212 (1~10 Zone)	AH-00212 (1 Zone)
Power	220V AC/50Hz *Others also available	
Voltage Scope	Nominal Voltage ± 20%	
Battery Capacity	24V DC 1.2Ah	24V DC 0.8Ah
Charging Voltage, Current	26V DC 100~400mA *With auto adjustment function	
Exterior Resistance	Round-trip under 50Ω	
# of heat detector connected	No limit *Except electronic-type	
# of smoke detector connected	30/zone *Horing Lih manufactured	
Max. Output Current	1A	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	350mm (H) x 285mm (W) x 105mm (D)	280mm (H) x 160mm (W) x 70mm (D)
Accessory Functions	Dual signal transfer contacts, aux. contacts	

Characteristics

- This unit has Accumulation function, it can minimize the false alarm that caused by unstable pulse or any abnormal signal (false alarm) and no effect on the function of fire alarm at all.
- Each zone uses two different LED to indicate Fire alarm and Disconnection.
- Zone test switch uses single-loop press type to improve the twisting switch that its contact failure will caused by dust and improper use.
- Logical switch is different from traditional switch that needs to switch over higher voltage directly, it can prevent the damage caused by unstable voltage.

- External indicator power-save device can select Light ON or OFF under normal condition during power-off status, and stay blinking during alarm status which extend the operation life of control panel. (Prevent the control panel loss its function by wear-off on battery under power-off period)
- Easy to switch from fire alarm to smoke evacuation, sprinkling or foam system.
- Movable zone indication labels, they can be easily changed without affect its magnificent appearance.
- Annunciator is available on model AH-02124.

QA Series

Addressable Fire Alarm Systems

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.

QA16 Addressable Fire Alarm
Control Panel

QA01
Addressable Photoelectric
Smoke Detector

QA05
Addressable Combination
Smoke & Heat Detector

QA06
Addressable Heat
Detector

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.

Addressable Detectors

Characteristics

- 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	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
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

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		

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