



Fire Alarm Control Panel

SPECIFICATION LIST

Item	Content of specification
Model	HS-AL
Power (AC)	AC220V 50/60Hz
Reserved power	DC24V
Charging Voltage / Current	DC26V 450Ma below
Circuit voltage / Current	DC24V short circuit voltage below 5V 32mA
Return external circuit resistance	Black & forth below 50 Ω
Detector installation	Different type, fixed-temperature type smoke detector (DC24V 80uA) a smoke detector can be accessed for no more than 18 units each L
Terminal resistance	10K Ω
Quantity of indication lamp	1.3 times of the panel return
Regional alarm quantity	1.3 times of the panel return
Material of machine frame	1.6m/m-2.0m/m standard material
Main stereo	Double noise above BUZZER 92db
Connection joint for transfer report	No voltage connector capacity AC150V7A
Controller of an iron rolling door	Generally Applicable to 110V - 220V

EXTERNAL DIMENSION

Casetype	Iron rolling door	Wall hanging type										Ground falling type	OTHER SIZE CAN ALSOBE ORDERED
		5L-10L	15L-20L	25L-30L	35L-40L	45L-50L	55L-60L	65L-80L	85L-100L	100L-150L	155L-170L		
Circuit No.	1L												
H(mm)	250	400	580	580	700	760	840	1195	1350	1800	2000		
W(mm)	210	300	300	480	480	480	480	480	580	580	580		
D(mm)	90	120	120	180	180	180	200	200	200	360	360		



FIRE ALARM SYSTEM

Combination Smoke and Heat Detector



HS-WTK55

ISO 9001, CE Approved

DESCRIPTION

The detector, HS-WTK55, is combination smoke and heat detector. The photoelectric type smoke part of detector is based on the photoelectric sensing principle to makeup. When fire break out and smoke enters the light-tight box, the particles of smoke scatter the infrared light, and this scattered light goes into the receiving element, there by emitting an electric current, and while the electric current is up to the fixed extent, the fire alarm will be activated. The fixed temperature heat detector part has stabilized performance, long-term durability and least-malfunction are ensured by employing a bimetal mechanism, which meets UL verification.

ADVANTAGES

- It has the functions of both photoelectric type smoke detector and fixed temperature heat detector.
- The sensitive part is enclosed to prevent from being moistened and contaminated.
- Self-restoring ensures the elements repeated use and by removing the cover can maintain and clean easily.
- The P.C.B. is used in SMT design. It can achieve the requests of good quality and long-term durability.
- It uses advanced linear electronic circuit process, so it could response quickly.
(Operating voltage 12V to 30V DC)
- The detector is designed to prevent from the electromagnetie wave; the P.C.B. is made to prevent from moisture.
- Connections are non-polarized to avoid wiring mistakes.

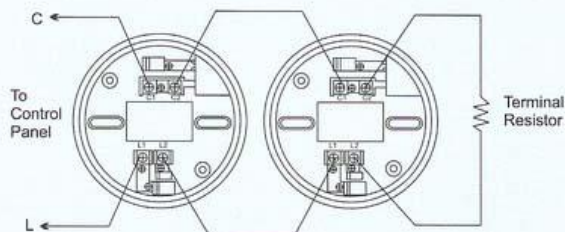
SPECIFICATION

- Main Model: HS-WTK55
- Rated Voltage 24V DC
- Working Voltage: 12V to 32V DC
- Standby Current: 60 y A(max.)
- Alarm Current: 100/< A(max.)
- Fixed temperature:68.75°C(set temp.55°C)
- Smoke concentration: 15% per meter
(set smoke concentranion 10%)
- Start-Up time: Smoke detector within 30 sec.
Heat detector within 300 sec.
- Ambient temperature:-10°C ~+50°C
- Ambient Humidity: 0~95%
- Body case:Fire-proof plastic
- Weight:Approx.150g Color: Creamy-white

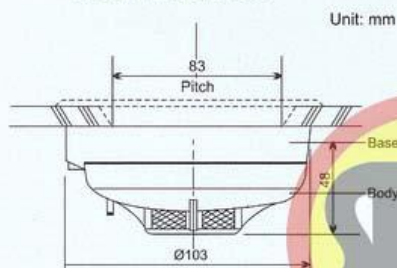
INSTALLATION

- First is to fix the base of the detector on the ceiling. Then, putting the body of the detector on the bottom lock up clockwise tightly.
The detector cannot install over 25 pieces on the same loop bound.
- Before cleaning the place for installing, please don't take out the dust proof cover of the detector. Therefore, the detector can be protected against dust and rubble.

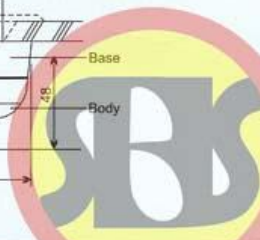
WIRING AND CONNECTION



MOUNTING STATUS



Unit: mm





FIRE ALARM SYSTEM

Fixed Temperature Heat Detector



HS-WK100L



ISO 9001 certificated

DESCRIPTION

The detector, HS-WK100L incorporates a self-resetting bimetallic disk element with response indicator. It activates whenever the ambient air temperature reaches the top temperature detector setting.

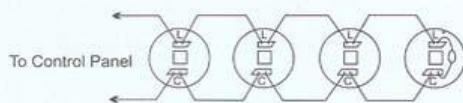
ADVANTAGES

- Stabilized performance, long-term durability and least-malfunction are ensured by employing a bimetal mechanism.
- Self-restoring ensures the elements repeated use.
- The sensitive part is enclosed to prevent from being moistened and contaminated.
- Pure silver contacts ensure the quick response.
- Red indication lamp lights when detector is activated.
- High-temperature-enduring plastics are used to build up the main body which is also nicely shaped.
- The base is in common with other detectors made in this company for the facilitation of installation.
- Connections are non-polarized to avoid wiring mistakes.

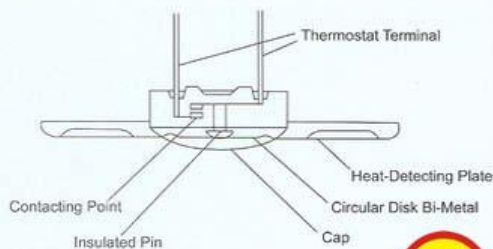
SPECIFICATION

- Alarm Rating: DC30V 70mA max.
- Fixed Temperature: 60°C, 70°C, 80°C.
- Sensitivity:
When exposed within an air stream 1 m/sec., 125% higher than its operating temperature, and at 20°C of ambient temperature, the detector will sound an alarm within 90 seconds.
- Dimension: See mounting information.
- Weight: 103gms.
- Color: Ivory white

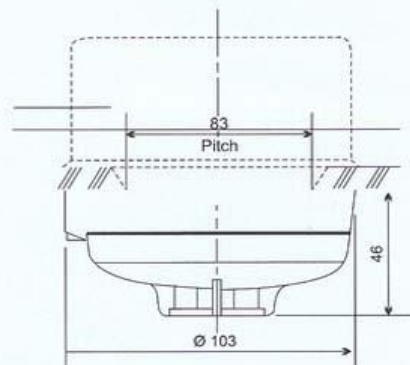
WIRING AND CONNECTION



OPERATION PRINCIPLES



MOUNTING STATUS



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FIRE ALARM SYSTEM

FIRE ALARM P.B.L. COMBINATION SERIES

Fire Manual Station (Indoor)



Description:

This Fire Manual Station can quickly transmit a signal to the fire receiver terminals or the repeaters while the button under a transparent protective cover has been pushed at the first finding of a fire accident. (This signal is beyond the accumulated time limitation.) There is a light over the button. The light will light up as a signal has been exactly received by the receiver terminal. There is also a telephone jack for telephone communication with attendant at the fire receiver terminal.

Specifications:

Model No.	HS-FP1(recess)	Material	PC-ABS
Rated Voltage	DC 24V	Weight	Approx 155g
Rated Current	75mA	Color	Red

Advantages:

1. Auto-Return by pushing button, no need to disassemble the main body.
2. Response light available to identify the operation completed.
3. Reinforced transparent protective cover is reusable.
4. All plastics are fire-proof, light, convenient and stylish.
5. Outside cord distribution with terminators to ease on work.

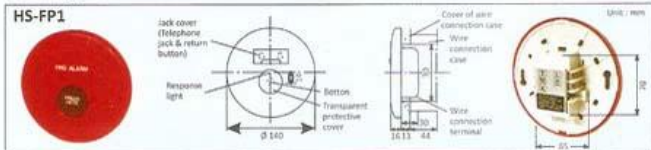
Fire Alarm Combination

Description:

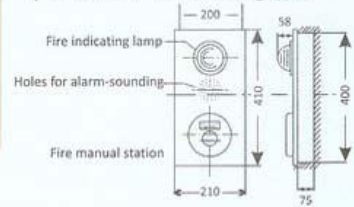
The Fire Alarm Combination is a steel box, in which there are indicating lamp, fire alarm bell and fire manual station. In order to match the installation requirement, two types of surface mounting and recess mounting type are developed. They can also be installed uprightly or transversely. Push the button on fire manual station as soon as a fire accident found. The signal will be immediately transmitted to the fire receiver terminal. At the same time, the fire alarm bell will be ringing and the indicating lamp will be also twinkling to give a warning.



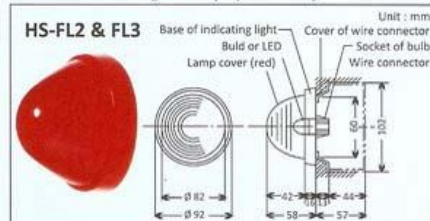
Mounting:



HS-PBL Fire Alarm Combination
(recess and surface mounting type)



Fire Indicating Lamp (Indoor)



Features:

1. The lamp cover and base are made of PC fire-proof plastics and are stylish outwards, endurable with high temperature as well as able to bear forceful bump.
2. The exceptional treatment on the interior surface of the lamp cover promotes the light quite even.

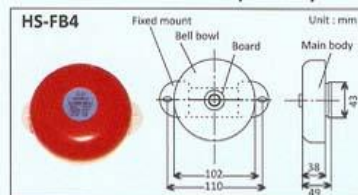
Description:

The fire indicating lamp is an equipment to go twinkling, to show the position of a fire signal device and to be controlled by fire receiver terminal or a repeater while a fire accident occurred.

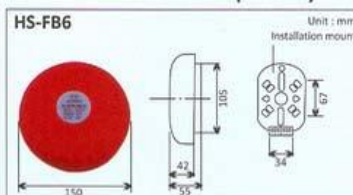
Specifications:

Model No.	HS-FL2(bulb)	Rated Current	LED about 20mA
	HS-FL3(LED)	Weight	3W bulb approx 100mA
Rated Voltage	DC 24V	Weight	Approx 55g
Material	PC fire-proof plastics	Color	Red

Fire Alarm Bell: 4 Inch (Indoor)



Fire Alarm Bell: 6 Inch (Indoor)



Description:

The fire alarm bell is an equipment controlled by the fire receiver terminal or the repeater and sounds a warning as a fire accident occurred.

Advantages:

1. The way of motor-driven is taken at the low consumption of current, to reduce the load for power output from receiver terminal.
2. This design of exceptional structure is sturdy and durable. The bell even can ring to last 40 hours without decline of the performance and structure.

Specifications:

Model No.	HS-FB4	HS-FB412	Power Source	Motor
Rated Voltage	DC 24V	DC 12V	Material	2.0mm Steel Sheet
Rated Current	30mA	60mA	Weight	About 333g
Volume	90dB	Color	Color	Red

Specifications:

Model No.	HS-FB6	HS-FB612	Power Source	Motor
Rated Voltage	DC 24V	DC 12V	Material	2.0mm Steel Sheet
Rated Current	30mA	60mA	Weight	About 333g
Volume	90dB	Color	Color	Red



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FIRE ALARM SYSTEM

Photoelectric Type Smoke Detector



HS-WT30L

ISO 9001, CE Approved

DESCRIPTION

The photoelectric type smoke detector is based on the photoelectric sensing principle to make up. When fire break out and smoke enters the light-tight box, the particles of smoke scatter the infrared light, and this scattered light goes into the receiving element, thereby emitting an electric current, and while the electric current is up to the fixed extent, the fire alarm will be activated.

This is an advance scientific device. It is very quick and accurate to activate the early fire warning system. Because of the pretty and compact styling, it is most suitable for the interior decoration of the modern buildings.

ADVANTAGES

- With the photoelectric sensing principle, this kind of detectors is activated more quickly, accurately and reliably, and there are no false alarm due to chemicals, exhaust gas, wind and exterior light.
- With stainless steel net of holes' diameter 0.5mm preventing from flying insects and dust particles but no barrier to smoke inflow.
- No harm to man and beast as no radiation source is used.
- Because of the compact styling and pretty outlines, it is most suitable for such modern buildings as employed in the design of decorative smooth ceilings.
- The photoelectric type detector ensures repeated use and by removing the cover can accomplished maintenance easily.
- Connection are non-polarized to avoid wiring mistakes.
- Universal base is interchangeable with the various type detectors' base made in this company, reducing storage and installation costs.

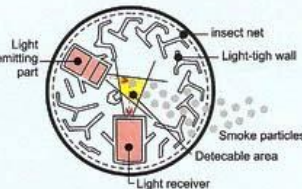
SPECIFICATION

- Main Model: HS-WT30L
- Series Model: HS-WT30L1. HS-WT30L3
- Rated Voltage: 24V DC
- Working Voltage: 12V to 30V DC
- Standby current: 60 micro amps.(max)
- Alarm Current: 100milli amps.(max)
- Initial Stabilizing Time: 15sec
- Identification Light: Red color(LED).
- Ambient Temperature: - 10°C~+50°C
- Ambient Humidity: 0-95%
- Body Case: Fire-Proof Plastic
- Weight: Approx.140g.
- Color: Creamy-white.

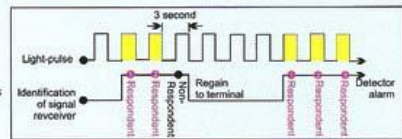


OPERATION PRINCIPLES

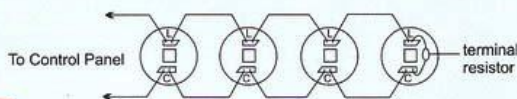
(When smoke entered)



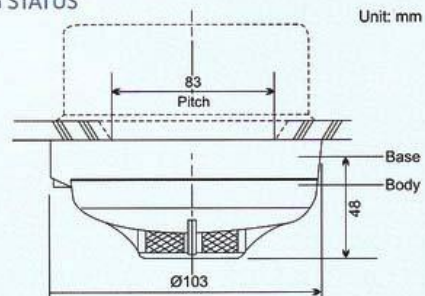
A fire signal is emitted only more than three pulse signals are produced, that is a completely reliable process through thrice confirmations. There are no false alarm due to dust particles, confused pulses and exterior influence.



WIRING AND CONNECTION



MOUNTING STATUS



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FIRE ALARM SYSTEM

Rate of Rise Heat Detector



HS-WS19L



ISO 9001 certificated

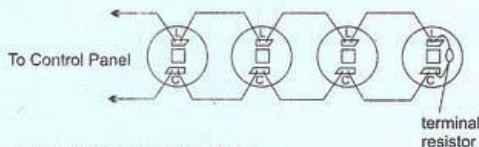
DESCRIPTION

The rate-of-rise heat detector, HS-WS19L, is designed to sense the rapid or abnormal rise in temperature of air. If ambient temperature rises rapidly, the air in chamber expands and presses the diaphragm to close the contact point to give advanced warning. When a slower temperature change occurs, the expanded air escapes through a bleeding hole to keep the pressure balanced so that the fault alarm never occurs.

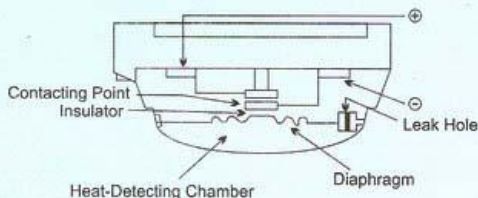
ADVANTAGES

- Rate-of-rise heat detector detects intense fires by quickly responding to rapid temperature increases.
- Mechanical operating principles ensure the long-term durability and the least malfunction.
- Self-restoring ensures those elements repeated use.
- High quality components are fitted for greater reliability.
- Red indication lamp lights when detector is activated.
- High-temperature-enduring plastics and fire-proof material are used to build up the main body of the detector.
- The base is in common with other detectors made in this company for the facilitation of installation.
- Connections are non-polarized to avoid wiring mistakes.

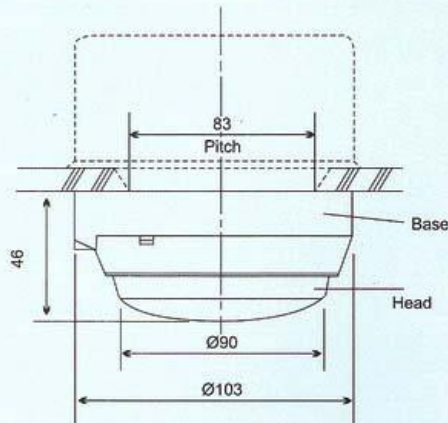
WIRING AND CONNECTION



OPERATION PRINCIPLES



MOUNTING STATUS



SPECIFICATION

Model	HS-WS19L
Rated Voltage	DC-24V
Working Voltage	DC-18V ~ DC-30V
Current at Normal Condition	0 μ A
Current at Alarm Condition	Max. 100 mA
Testing Ambient Temp	- 10°C ~ 50°C

Weight	158g
Colour	White
Operating Mode	Always Open Type
Contact Point	Pure Silver
Body (Plastic)	PC-ABS

- Sensitivity: When Exposed in Air-Stream of 0.85m/sec. and 30°C higher than ambient temperature, 15 sec. (nominal).



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