HOOSEKI

Product Catalog

Fire Alarm Systems

ISO 9001, C€ APPROVED

Contents

Addressable Fire Alarm Control Panel

Features

• English LCD Screen (240 x 128 or 240 character).

• LCD backlight energy-saving protection function.

• Two-wire circuits for supper long transmission distance
  (up to 1,5 km between the control panel and modules).

• The data memory device can store up to 2000 historical records permanently
  (the device in graphic system can be expandable up to 20 million records).

• Composed voice alarm function (broadcost) in human voice to operators).

• Voice guidance function (while operating)

• Abnormal temperature protection function (I/O modules over loading).

• 5LCs, IDCs are equipped with insulation for false inspection function.

• Protection against lightning surge.

• I/O modules miswiring protection to accessories are available.

• I/O modules are equipped with segment isolation function.

• A table to review all I/O modules statuses is available for casier operation.

• Addresses and interlocks can be display on the LCD screen.

• Weekly automatic check function.

• Repeat alarm function.

• Two stage alarm delay function

• Standby battery with power saving function

• Build in-printer

HOOSEKI Fire Alarm Control Panel

HOOSEKI Fire Alarm Annunciator

Dimensions (Steel) *Size mark in red represent with printer option.

Cabinet	Wall-mount						
Addressas /loops	255/1L	510/2L	765/3L	1020/4L	1275/5L	1530/6L	1785/7L	2040/8L
H(mm)	450		500		840		1020	
W(mm)	480		480		480		480	
D(mm)	130(*160)		160		180		180	

Addressable Fire Alarm Control Panel

HOOSEKI Fire Alarm Control Panel

HOOSEKI Fire Alarm Annunciator

Specifications

Item	Specifications
Model	HS-ADD-P1/8L(1 Loop/8 Loop), HS-ADD-AN 1/8 (1 Loop/8 Loop)
Power Source	1 1OV AC 50/60 Hz or 220V AC 50/60 Hz
Addresses / Loops	255/ 1L 510/2L 765/3L 1020/4L 1275/5L 1530/6L 1785/7L 2040/8L
Standby Battery	24V DC
Transmission Distance	Two-wires (able for branch wiring I,5km)
Annunciator Connection	Use RS-485 for 800m, Network Signal Transceiver for 3km and Optical Fiber for up to 40km
Loop Voltage	Load Power / Indicating Lamp / Zone Telephone : 24V DC SLC power source: 32V AC
Power Consumption	Main control panel (monitoring} :500mA Communication module for each system (monitoring) : 280 mA
Transmission Method	Selective and sequential (I/0 modules)
Broadcast Output Method	Relay output :interlock relay board x 13 sets for a max of 2,000 contacts (relay board = 40 contacts [standard], 160 contacts [expansion])
Main Audio	Voice notifications, human voice or voice alarm (over 90 dB)
Ambient Temperature	0~40°C
Cabinet Material	Powder coating steel (optional Flame retardant ABS enclosure available up to 255/1L only)

Conventional Fire Alarm Control Panel

Features

Two-Stage alarm delay function :
At the first stage, when the detector sends the signal for the first time, the control panel will automatically reset the signal and enter the second stage for standby after 8 seconds.
At the second stage , it there is another signal sent by the detectors within 9-40 seconds, the control panel will triggered the fire alarm, else reset the alarm signal. This will prevent the control panel from sending false alarms.

Standby battery protection :
During power-cut, when the standby battery is under DC 18V it will automatically stop discharging to extend battery life.

Protection against lighting surge :
Power supply module with protection against lightning surge to ovoid device damage caused by high voltage or power surge.

Quality control :
All interior components of the display module and base boards in the unit are approved by CE and CNS. All products have to pass strict inspection before delivery to ensure durability.

Abnormal voltage Inspection :
With abnormal voltage display Function, the system can indicate high and low voltage.

Modular design :
The system has modular design with inputs/ outputs independent terminal module. If there is a problem on site, users do not have to remove external wires and can easly replace defective boards improving the efficiency of maintenance and inspection.

HOOSEKI Fire Alarm Control Panel

Exterior design :
Equipped with zone display panel board. The panel (made of flame retardant plastic) adopt a streamline design for clear indication of zone's name, floor, building, properties, etc.

Other Functions:
Can be integrated with the Voice Evacuation System and the Emergency Telephone System in one cabinet for more appealing look and less space consuming.

Cabinet	Wall-mount												
Number of Loops	5-10L	15L	20L	25-30L	35-40L	45-50L	55-60L	65-70L	75-80L	85-90L	95-100L	105-110	115-120L
H(mm)	400	495	580	520	580	700	760	840	930	1020	1110	1195	1350
W(mm)	300	300	300	480	480	480	480	480	480	580	580	580	580
D(mm)	120	120	120	180	180	180	180	200	180	200	180	200	200

Conventional Fire Alarm Control Panel

Cabinet	Floor-standing			2-in-1			3-in-1	4-in-1	Interlock Control Panel	
Number of Loops	125-130L	135-150L	155-170L	135-260L	265-300L	305-340L	345-450L	455-600L	1L	1L
H(mm)	1600	1800	2000	1600	1800	2000	1800	1800	180	250
W(mm)	580	580	580	1160	1160	1160	1740	2320	180	210
D(mm)	260/360	260/360	260/360	260/360	260/360	260/360	260/360	260/360	75	90

HOOSEKI Fire Alarm Annunciator

Item	Specifications
Model	HS-5L. 10L, 15L, 20L, HS-25L, 30L. 40L. 50L (5 Zone - 50 Zone) AN-5L, 10L, 15L, 20L, 25L, 30L, 40L, 50L (5 Zone - 50 Zone)
Power Source	110V AC 50/60 Hz or 220V AC 50/60 Hz
Standby Battery	24V DC
Charging Voltage	Below 26V DC 450mA, trickle charging
Circuit Voltage	24V DC operation voltage, under 10-11V DC 32mA
Rated Impedance	Under 50, Ground Resistance above 2M
Detector Connection	No limitation for Conventional Rate of Rise Heat Detectors / Fixed Temperature Heat Detectors : Up to 15 Photoelectric Smoke Detectors (24V DC 40 A) per zone
E.O.L Resistor	I0K Ω
No. of Indicators	1.2 times of the number of zone (LED indicating lamp)
No. of Bells	1.2 times of the number of zone
Color	Green/ Red / Black
Buttons	Rocker Switch / Push-button / Capacitive Touch Switch
Cabinet Material	Powder coating steel (optional flame retardant ABS enclosure available up to 20L only Mono tone sounder (above 85dB for 1m distance)
Main Audio Alarm Relay Contact	2 sets of No-Voltage NO contact, capacity AC 250V / 7A

Fire Alarm System

Fire Alarm P.B.L Combination Series

HS-FP1 Manual Call Point
Description

This Fire Manual Station con 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 jock for telephone communication with attendant at the fire receiver terminal.

Specifications

Model No.	HS-FPI	**Option**	Base
Voltage Range	24V DC	**Material**	Fire-Proof plastics
Alarm Current	30 mA		
Contact Rating	24V DC 100mA	**Dimensions**	φ 140 (mm)
Sub-Function	Phone jack:	**Weight**	150g
	Confirmation LED;	**Color**	Red
	Reset button		

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.

HS-FL3 Indicator Lamp LED
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 accured.

Specifications

Model No.	HS-FL3
Power Source	24V DC
Alarm Current	12 mA
Ambient Temp.	-10°C~+55°C
Material	Fire-Proof plastics
Weight	52g
Dimensions	φ 92x 58 (H) mm
Color	Red

Specifications

Model No.	HS-FB6
Power Source	24V DC
Alarm Current	35mA
Movement	Motor
Material	3.0 Alloy Alu
Dimensions	φ 6" (150mm)
Weight	418g
Sound Output	90 dB/ M and above
Color	Red

HS-FB6 Alarm Bell FB6 24V
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 occured.

Advantages

1. The way of motor-driven is taken of 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.

Fire Alarm System

Fire Alarm Accesories

Telephone Handset

Material	ABS Plastic
Purpose	Equipped in Fire Hose, insert to manual call point plug for communicating with fire alarm control panel
Dimension	212 (H) x 63 (W) x 50 (D) mm

HS-PBL Fire Alarm Combination

Description

• Material Plate MS Tebal 1.2 mm
• Engsel SH-006
• Mata ayam
• Knob pintu

BOX Main Distribution Frame

Material Plate MS tebal 1.2 mm
Engsel SH-006
Kunci Hubben
50 pairs : 50 x 40 x 13 cm

BOX TB (Terminal Box) 12 pairs, 24 pairs

Material Plate MS lebal 1.2 mm
Engsel SH-006
Kunci Hubben
12 pairs   : 30 x 20 x 8 cm
24 pairs   : 30 x 25 x 8 cm

BOX TB 12 pairs   **BOX TB 24 pairs**

Fire Alarm System

I/O Modules

HS-ADD-BD

Base Detectors Addressable
(Only for full Addressable System)

Suitable for Model:
- ROR (HS-WS19L)
- Fixed (HS-WK100L)
- Smoke (HS-WT30L)

Specifications

Function	Circuit Input	**Operating Voltage**	DC16~30V
EOL Resistor	Below 10Ω /master line	**Material**	Fire-proof plastic
Ambient Temperature	-10°C~50°C Relative Humidity below 95%	**Dimension**	108 x 22.6 mm
Monitored Current	420µA/DC24V	**Note**	Addressable profesional EOL resistor

Functions

• Status indicators for Monitoring, Active, Error and Isolating.

• Address coding by binary coded dip switch for easier setting

• Two-wires multi-transmission

• Stable communication with rejection to noise and disturbances

• Self-test functions for circuit disconnection and activation

• Expandable to connect with photoelectric smoke, rate of rise heat detector and fixed temperature heat detector, and no need for external power supply

Wiring Notes

• Addressable Detector Base's L+ LC connect to Convensional Detectors' L+ LC, polarized

• Provided current is not over 1.3mA/DC24V

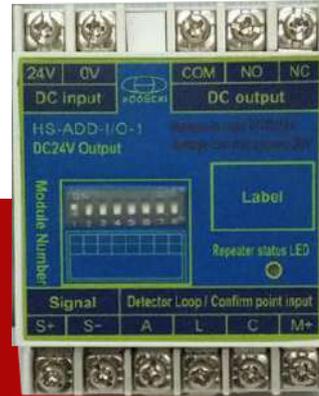• A Profesional terminal device is needed, cannot use a normal 10KΩ

Fire Alarm System

I/O Modules

HS-ADD-I/O-1

Control Modules 1 In 1 Out

(with isolation function) Communication isolation function, when short circuit occurred in the module, the module will be automatically isolated from the main communication line.
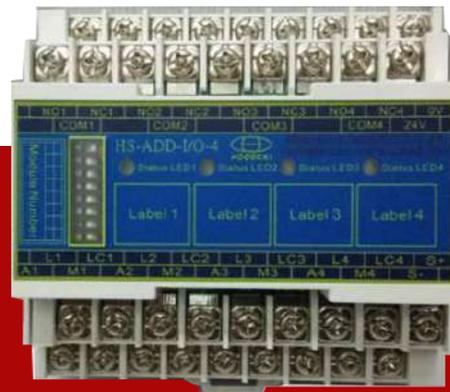
Specifications

- EOL : Below 10K Ω capacitor / address.
- Operating Environment : °0 C- °50 C relative humidity below 85%
- Monitoring Current : 420 A
- Activating Current : 16mA
- Load Voltage Input : 24V DC

- Rated Voltage : 33V AC
- Output Contact Capacity : 30V DC / 2A (max)
- Material : Flame retardant plastic
- Dimensions : 80 (H) x 60 (W) x 30 (D) mm
- Note : EOL capacitor

HS-ADD-I/O-4

Control Modules 4 In 4 Out

Specifications

- EOL : Below 10K Ω capacitor / address.
- Operating Environment : 0°C- 50°C relative humidity below 85%
- Monitoring Current : 3.2 mA
- Activating Current : 48mA
- Activating Current : 64mA
- Load Voltage Input : 24V DC
- Rated Voltage : 33V AC

- Output Contact Capacity : 30V DC / 2A
- Material : Flame retardant plastic
- Dimensions : 87 (H) x 93.5 (W) x 43 (D) mm
- Note : EOL capacitor

Control Modules 1 In 1 Out, 4 In 4 Out Features

- Built-in tri-state LED indicator to indicate different statuses, "Monitoring", "Disconnection", and "Fire State".
- Binary coded address dip switch
- Two-wire multi-transmission
- Stable communication with resistance to noise and disturbances
- Self-test function for circuit disconnection and activation

- Expandable to connect with photoelectric smoke, rate of rise heat and fixed temperature heat detector
- LED indication pattern, as follows :
monitoring (flash at intervals of 2.5s), disconnection (flash at intervals 0.5s) and fire state (on)
- Can be fixed on alumunium railings for easy installment

Fire Alarm System

Rate of Rise Heat Detector

HS-WS19L   ISO 9001 certificated CE

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 diaphram 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.

Specifications

Model	HS-WS19L		**Ambient Temp**.	-10°C~+55°C
Type	2 wire		**Ambient Humidity**	0~95%
Voltage Range	12~30V DC		**Material**	Fire-proof Plastics
Alarm Current	24V DC 30mA		**Dimensions**	102 (Dia.) x 42 (H) mm
Contact Rating	N/A		**Weight**	130g
Polarization	Non-polarized		**Color**	White
Alarm Temp.	Comply to EN54, CNS			

Fire Alarm System

Fixed Temperature Heat Detector

HS-WK100L

ISO 9001 certificated CE

Description

The detector, HS-WKIOOL incorportes 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.

Specifications

Main Model	HS-WK100L		**Alarm Temperature**	Comply to EN54, CNS
Type	2 wire		**Ambient Temperature**	-10℃~+55℃
Voltage Range	12~30V DC		**Ambient Humidity**	0~95%
Alarm Current	24V DC 30mA		**Material**	Fire-Proof plastics
Polarization	Non-polarized		**Dimensions**	101 (Dia.) x 47 (H)mm
Fixed Temperature	60℃, 70℃, 80℃.		**Weight**	100g.
			Color	white

Sensitivity :

When exposed within an air stream 1 m/sec., 125% higher than its operating temperature, and at 20℃ of ambient temperature, the detector will sound an alarm within 90 seconds.

Fire Alarm System

Photoelectric Type Smoke Detector HS-WT3OL

HS-WT30L
Specifications

Main Model : HS-WT3OL

• Series Model : HS-WVT3OL1 . HS-WT3OL3

• Rated Voltage : 24V DC

• Working Voltage : 1 2V to 30V DC

Standby Current : 60 micro amps. (max)

Alarm Current : 100mili amps. (max)

• Initial Stabilizing Time : 1 5sec

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

• Used Conventional

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 extend, 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.

ISO 9001. CE Approved

Fire Alarm Systems

ISO 9001, CE APPROVED

HOOSEKI

HOOSEKI

PT Citra Makmur Bina Sahabat

Fire Protection Engineering

Supported by our skilled, professional and experienced staff in their respective fields, so that we will maintain the trust that our customers have given us so that the project after project entrusted to us can be carried out well. We handle Fire Protection Equipment and Fire System installations.

JL. Panjang No. 63 Jakarta 11510 - Indonesia

Phone	: (62-21) 2940 8888 (Hunting)	**E-mail**	: marketing@citramakmur.co.id
FAX	: (62-21) 2940 8777	**Website**	: www.citramakmur.co.id