

YFPR-3 Series Annunciators



YFPR-S3 Fire Alarm LCD Annunciator

Features

- This Annunciator is equipped with:
 - a. Fire indicator, power indicator, voltmeter, main audio keys.
 - b. LCD backlight protection function.
 - c. Warning sounds.
- Available communication functions with Fire Alarm Control Panel.
- Synchronized reset function is able to reset the Fire Alarm Control Panel.
- Including main audio, independent alarm audio buzzer and independent mute switch.
- Using RS-485 communication port to establish a fire alarm system.
- LCD monitor with clearly content in English.
This Annunciator with large LCD synchronically displaying the central computer alarm data, operation staffs can immediately receive warning alarm from the remote Annunciator.
- Data displayed including zone, building, floor and time (year/ month/ hour/ minute) et cetera.
- Housed in a flame retardant ABS enclosure.
- Dimension : 480(W) × 370(H) × 90(D) mm

YFPR-L3 LED board display Annunciator

Features

- Signal is simultaneously displayed in the zone LEDs with main fire alarm control panel (FACP).
- Zones LEDs indicators with three state light to show different statuses.
- Equipped with hand held telephones to communicate with main FACP.
- With synchronized reset function.
- Equipped with audio alarm, independent buzzer, and independent mute switches.
- Under or equal to 30L, the control panel is housed in a flame retardant ABS enclosure. (Please refer the Dimensions for Control Panels which are lower than 30 zones at the right table).
- Over 30L, the control panel is housed in a powder coating steel enclosure.



YFPR-3 Fire Alarm Touch Screen LCD Computer Annunciator

Features

- Provide a best management interface for fire alarm.
- The wall-mounted model using the industrial computer and a solid hard disk for stable performance and high temperature resistance.
- 17" LCD screen above. (Touch Screen is an option.)
- Zone fire alarm, fault, operating record and historical data query et cetera.
- Authorization control and diversified printing capability.
- Using RS-485 communication port connections.
- Automatically popup floor diagram with alarm status.
- Graphic systems support AUTO CAD and support various types of images and charts.



YRR-01/ YRR-02

YRR-0601/ YRR-0602

Communication isolation functions, when short circuit occurring in the module, it will be automatically isolated from the main communication line.

Features

- ♦ With status LEDs indicating "Monitoring," "Activate," and "Error".
- ♦ Binary coded address dip switch.
- ♦ Two-wire 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 and fixed temperature heat detectors.
- ♦ Light indication pattern:
(fire: red light constantly on; disconnection: red light flashing; monitoring: red light flashing once per 2.5s).
- ♦ Can be fixed on aluminum railings for easy installment.

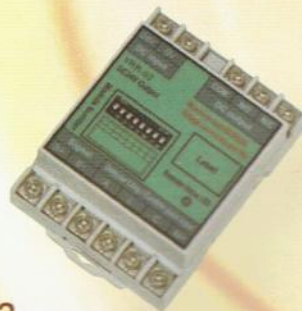
Specifications

- ♦ Communication Circuit Resistance : Below 10K Ω / circuit.
- ♦ Operating Environment : 0°C~50°C relative humidity below 85%.
- ♦ Action Current : 16mA.
- ♦ Load Voltage Input : 24V DC.
- ♦ Rated Voltage / Current : 33V AC / 10mA.
- ♦ Output Contact Capacity : 30V DC / 2A (MAX).
- ♦ Material : Flame retardant plastic.
- ♦ Dimension : 80(L) \times 60(W) \times 30(H) mm
- ♦ Note : Dedicated TYY Addressable EOL resistor.



▲ YRR-01

Function: Loop input



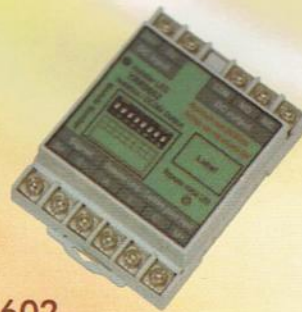
▲ YRR-02

Functions: Loop input and voltage control output



▲ YRR-0601

Function: Loop input/communication isolation



▲ YRR-0602

Functions: Loop input and voltage control output
communication isolation

YRR-3LO / YRR-3LI

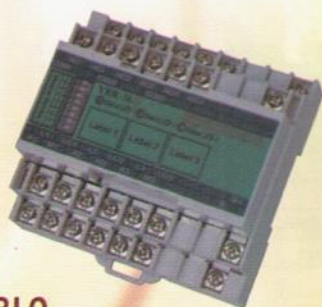
YRR-4LO / YRR-4LI

Features

- ◆ With status LEDs indicating "Monitoring," "Activate," and "Error".
- ◆ Address coding by binary coded dip switch.
- ◆ Two-wire multi-transmission.
- ◆ Stable communication with resistance to noise and disturbances..
- ◆ Self-test functions for circuit disconnection and activation.
- ◆ Expandable to connect with photoelectric smoke, rate of rise heat and fixed temperature heat detectors.
- ◆ Light indication pattern:
(fire: red light constantly on; disconnection: red light flashing; monitoring: red light flashing once per 2.5s).
- ◆ Can be fixed on aluminum railings for easy installment.

Specifications

- ◆ Communication Circuit Resistance : Below 10K Ω / circuit.
- ◆ Operating Environment : 0°C~50°C relative humidity below 85%.
- ◆ Monitored Current : 27mA / 24V DC.
- ◆ Operating Voltage : 21~33V AC.
- ◆ Material : Flame retardant plastic.
- ◆ Dimension : 87(L)×93.5(W)×43(H) mm
- ◆ Note : Dedicated TYY Addressable EOL resistor.



▲ YRR-3LO

Features : dry or wet control contacts,
activation confirmation function
Wet control contacts supply 24V DC,
directly connected to load equipments.
Functions : 3 loop inputs and 3 loop control outputs
Input Voltage : 24V DC



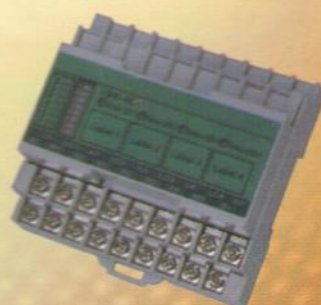
▲ YRR-3LI

Functions : 3 loop inputs
Input Voltage : 24V DC



▲ YRR-4LO

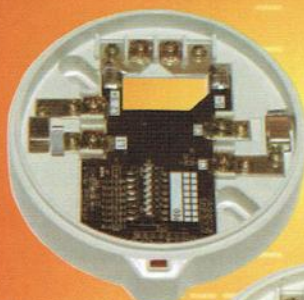
Features : dry or wet control contacts,
activation confirmation function
Wet control contacts supply 24V DC



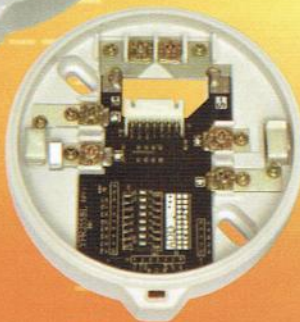
▲ YRR-4LI

Functions : 4 loop inputs

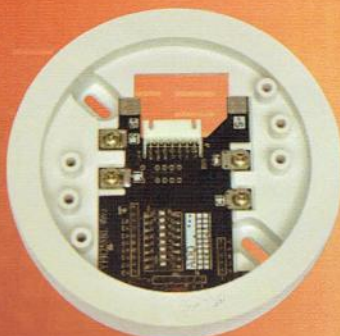
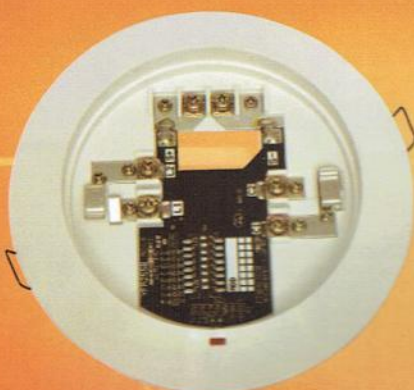
Addressable detector Bases



Standard type



Output type



YRR-03 Surface Mounting Addressable Detector Base (Include Voltage-free Output Contacts)

- With status LEDs indicating "Monitoring," Activate," "Error" and "Isolating."
- Address coding by binary coded dip switch for easier setting.
- Two-wires multi-transmission.
- Stable communication with resistance to noise and disturbances.
- Self-test functions for circuit disconnection and activation.
- Voltage-free control output. (Only with voltage-free output contacts have this function.)
- Expandable to connect with photoelectric smoke, rate of rise heat and fixed temperature heat detectors, and no need for external power supply.
- Light indication pattern: Fire alarm: constantly ON; Break down: red light flashing; Standby: red light flashes once per 2.5seconds.

Function	Circuit Input and Voltage-free output control contacts
EOL Resistor	Under 10Ω / circuit
Ambient Temperature	0°C~50°C Relative Humidity below 85%
Monitored Current	420 μA / 24V DC
Operating Voltage	16~30V DC
Material	Flame retardant plastic
Dimension	Ø108 × 22.6(H) mm
Note	Addressable dedicated EOL resistor

YRR-03 Recessed Mounting Addressable Detector Base

- With status LEDs indicating "Monitoring," Activate," "Error" and "Isolating."
- Address coding by binary coded dip switch for easier setting.
- Two-wires multi-transmission.
- Stable communication with resistance to noise and disturbances.
- Self-test functions for circuit disconnection and activation.
- Expandable to connect with photoelectric smoke, rate of rise heat and fixed temperature heat detectors, and no need for external power supply.
- Recessed mounting base enclosed with fixed iron tongs, easy to install and elegance design.
- Light indication pattern: Fire alarm: constantly ON; Break down: red light flashing; Standby: red light flashes once per 2.5seconds.

Function	Circuit Input
EOL Resistor	Under 10Ω / circuit
Ambient Temperature	0°C~50°C Relative Humidity below 85%
Monitored Current	420 μA / 24V DC
Operating Voltage	16~30V DC
Material	Flame retardant plastic
Dimension	Ø139.5 × 29(H) mm
Installation Hole Size	110(Dia.) mm
Note	Addressable dedicated EOL resistor

YRR-03 Addressable Detector Base with Voltage-free Output Contacts

- With status LEDs indicating "Monitoring," Activate," "Error" and "Isolating."
- Address coding by binary coded dip switch for easier setting.
- Two-wires multi-transmission.
- Stable communication with resistance to noise and disturbances.
- Self-test functions for circuit disconnection and activation.
- Voltage-free control output.
- Expandable to connect with photoelectric smoke, rate of rise heat and fixed temperature heat detectors, and no need for external power supply.
- Able to connect with various brands of conventional detectors.
- Light indication pattern: Fire alarm: constantly ON; Break down: red light flashing; Standby: red light flashes once per 2.5seconds.

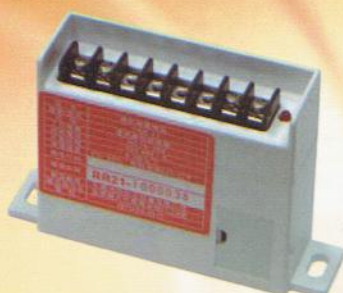
Function	Circuit Input and Voltage-free output control contacts
EOL Resistor	Under 10Ω / circuit
Ambient Temperature	0°C~50°C Relative Humidity below 85%
Monitored Current	420 μA / 24V DC
Operating Voltage	16~30V DC
Material	Flame retardant plastic
Dimension	Ø115 × 19.6(H) mm
Note	Addressable dedicated EOL resistor



YRR-04 Addressable Manual Call Point (Control Output)

- With status LEDs indicating "Monitoring," "Activate," and "Error."
- Address coding by binary coded dip switch for easier setting.
- Two-wire multi-transmission.
- Stable communication with resistance to noise and disturbances.
- Self-test functions for circuit disconnection and activation.
- Expandable to connect with photoelectric smoke, rate of rise heat and fixed temperature heat detectors, and no need for external power supply.
- In-built no voltage control output, activation confirmation function.

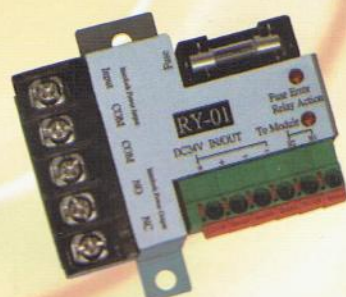
Function	Loop input and no voltage control output	Operating Voltage	16~30V DC
		Material	Flame retardant plastic
SLC Resistance	Under 10Ω / circuit	Dimension	Ø140 × 58 mm
Operating Environment	0°C~50°C relative humidity below 90%	Note	Addressable EOL resistor
Monitored Current	32V / 0.9mA		



YRR-21 Isolation Module

- Isolation module for addressable Signaling Line Circuit loops.
- Recommend to use one isolation Module for every or less than 23 addressable equipments.
- Equipped with Isolation short circuit indicating lamp.
- Not occupy address.
- Deploy at main line for branching purpose: Isolation module deploys between main line and branch line, when short circuit happens, the isolation module will auto-isolate the error part with the main line so as to avoid the whole zone from break-down.

Function	Communication short circuit isolation	Operating Voltage	16~36V DC
		Reaction time	Below 0.3sec
Power Consumption	32V DC 400 μA	Dimension	67(H) × 100(W) × 26(D) mm
Ambient Temperature	0°C~50°C Relative Humidity below 90%	Material	Fire retardant plastic



RY-01 Voltage Control Output Module

- Used to trigger signal to control high power peripheral isolating the difference in current with our modules.
- With voltage control output.
- Equipped with overload fuse to automatically provide protection from abnormal power supply.
- Two LEDs to indicate action and overload situations.
- Use large terminal block to ensure the wiring safety.

Operating Voltage	24V DC
Power Consumption	24V DC 20mA
Output contact capacity	Under 277V AC / 16A
Dimension	64(H) × 60(W) × 25(D) mm



RY-02 Voltage-free Control Output Module

- Used to trigger signal to control high power peripheral isolating the difference in current with our modules.
- With voltage-free control output.
- With action LED indicator.
- Use large terminal block to ensure the wiring safety.

Operating Voltage	24V DC
Power Consumption	24V DC 20mA

Addressable detectors



Surface Mounting

Dimension: $\varnothing 108 \times 43$ (H) mm



Recessed Mounting

Dimension: $\varnothing 139.5 \times 50.5$ (H) mm
Installation Hole Size: 110(Dia.) mm



Surface Mounting

Dimension: $\varnothing 108 \times 46$ (H) mm



Recessed Mounting

Dimension: $\varnothing 139.5 \times 52$ (H) mm
Installation Hole Size: 110(Dia.) mm



Surface Mounting

Dimension: $\varnothing 108 \times 47$ (H) mm



Recessed Mounting

Dimension: $\varnothing 139.5 \times 53$ (H) mm
Installation Hole Size: 110(Dia.) mm

YRR-11 Surface/Recessed Mounting Addressable Rate of Rise Heat Detector

- ◆ Address coding by binary coded dip switch.
- ◆ Two-wires multi-transmission.
- ◆ Expandable to connect with conventional detectors.
- ◆ It reacts sensitively with rapid rise in temperature.
- ◆ Employ mechanical operating principle for long-term durability.
- ◆ Auto reset to original status after use.
- ◆ High-quality parts are used to ensure functional reliability.
- ◆ The detector is made of flame retardant and high temperature-resistant plastic with elegance design.

Communication Circuit Resistance	Below 10K Ω / circuit	Operating Voltage	16~30V DC
		Material	Flame retardant plastic
Operating Environment	0°C~50°C relative humidity below 95%	Note	On-board addressable EOL resistor
Monitored Current	420 μ A / 24V DC		

YRR-12 Surface/Recessed Mounting Addressable Fixed Temperature Heat Detector

- ◆ Address coding by binary coded dip switch.
- ◆ Two-wires multi-transmission.
- ◆ Expandable to connect with conventional detectors.
- ◆ Adopt UL-certified temperature sensor with better quality and durable maintenance.
- ◆ Auto reset to original status after use.
- ◆ Sealed sensor is to avoid moisture and dust from entering which may affect the performance.
- ◆ The electric contacts made of pure silver can respond sensitively.
- ◆ The detector is made of flame retardant and high temperature-resistant plastic with elegance design.

Communication Circuit Resistance	Below 10K Ω / circuit	Operating Voltage	16~30V DC
		Material	Flame retardant plastic
Operating Environment	-10°C to 20°C lower than the nominal action temperature	Note	On-board addressable EOL resistor
Monitored Current	420 μ A / 24V DC		

YRR-13 Surface/Recessed Mounting Addressable Photoelectric Smoke Detector

- ◆ Address coding by binary coded dip switch.
- ◆ Two-wires multi-transmission.
- ◆ Expandable to connect with conventional detectors.
- ◆ With photoelectric sensor, it can react rapidly and accurately with high stability. Also, there is no false alarm due to chemicals, exhaust gas, wind and exterior light.
- ◆ Stainless steel insect-proof nets (holes' diameter of 0.5 mm) ensure smooth inflow of smoke but preventing from insects or dust.
- ◆ The detector doesn't contain any radioactive substances, causing no harm to humans or animals.
- ◆ The detector is reusable and maintenance easy. Remove the cover to clean the interior.
- ◆ With compact styling and pretty outlines, the detector can enhance ceilings decoration design and visual effect.
- ◆ The detector is made of flame retardant and high temperature-resistant plastic with elegance design.

Communication Circuit Resistance	Below 10K Ω / circuit	Operating Voltage	16~30V DC
		Material	Flame retardant plastic
Operating Environment	0°C~50°C relative humidity below 95%	Note	On-board addressable EOL resistor
Monitored Current	450 μ A / 24V DC		



YRD-02 Rate of Rise Heat Detector

- ♦ Mechanical operating principles ensure long-term durability and least malfunction.
- ♦ Self-restoring function ensures elements repeatedly use.
- ♦ The exhaust valve of R.O.R Heat Detector part uses optical fiber glass capillary tubing that's heat-resistant and moisture-proof. Therefore, the fault alarm never occurs.

Voltage Range	12~30 V DC	Weight	155g
Ambient Humidity	0~95%	Color	Creamy White
Alarm Temp.	Comply to EN54, CNS	Type	2-wire
Alarm Current @24 VDC 750Ω	30 mA (Max.)	Polarization	Non-polarized
Ambient Temperature	-10°C~+55°C	Material	Flame retardant plastic



YFD-02 Fixed Temperature Heat Detector

- ♦ Stabilized performance, long-term durability and least malfunction are ensured by employing UL approved sensor.
- ♦ The sensitive part is enclosed to prevent from being moistened and contaminated.
- ♦ Self-restoring function ensures the elements repeatedly use.

Voltage Range	12~30 V DC	Weight	98g
Ambient Humidity	0~95%	Color	Creamy White
Alarm Temp.	Comply to EN54, CNS	Type	2-wire
Alarm Current @24 VDC 750Ω	30 mA (Max.)	Polarization	Non-polarized
Ambient Temperature	-10°C~+55°C	Material	Flame retardant plastic



YSD-22 Two-wire Photoelectric Smoke Detector

YSD-23 Three-wire Photoelectric Smoke Detector

YSD-24 Four-wire Photoelectric Smoke Detector

- ♦ Dual LEDs for 360-degree visibility.
- ♦ With the photoelectric light sensing principle, this kind of detector is activated more quickly, accurately and reliably, and there are no false alarm due to chemicals, exhaust gas, wind and exterior light.
- ♦ Detector has passed EMC test, which greatly eliminates false alarms caused by interference from nearby sources.
- ♦ Dual-LEDs display monitor and alarm; easy to identify the current status of the detector.
- ♦ Three-wire smoke detector is suitable for using with remote indicating lamps and four-wire smoke detector is appropriate to use with any devices which require output relays, like security system etc.



Model No.	YSD-22	YSD-23	YSD-24	Sensitivity Setting	Comply to EN54, CNS
Type	2-wire	3-wire	4-wire	Ambient Temp.	0°C~50°C
Voltage Range	12~30 V DC			Ambient Humidity	0~95%
Alarm Current	30 mA (Max.)			Color	White
Standby Contact	24V DC / 20~30μA			Material	Flame retardant plastic
Polarization	Non-polarized	Polarized		Dimensions	102/111 x 47/41 mm

Conventional detectors



YRD-01 Rate of Rise Heat Detector

- ♦ 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 function for repeated use.
- ♦ High quality components are fitted for greater reliability.
- ♦ Red indicating lamp illuminates when detector is activated.
- ♦ High-temperature-enduring plastic and fire-proof material are used to build up the main body of the detector.
- ♦ The base is as same as our other type of detector for easy installation and storage.
- ♦ Non-polarized connections to avoid wiring mistakes.

Voltage Rating	24V DC	Weight Approx.	158g
Operating Voltage	18V~30V DC	Color	Creamy-white
Current Normal Condeition	0μA	Operating Mode	Always Open Type
Alarm Activated Current	Max. 100mA	Contact Point	Pure Silver
Ambient temperatrue	-10°C ~50°C	Body (Plastic)	PC-ABS



YSD-02 Photoelectric Smoke Detector

- ♦ With photoelectric light sensing principle, this kind of detector is activated more quickly, accurately and reliably, and there is no false alarm due to chemicals, leaked gas or external light.
- ♦ Ensure repeated and durable use, easy maintenance. Easily clean interior by removing external case.
- ♦ Dual-colored LEDs display separately to easily and quickly identify the status of the detector.
- ♦ Using 0.5mm diameter anti-insect net avoid insect and dust getting into, as well as make the inflow of smoke smoothly.
- ♦ Connection wires are non-polarized to avoid error wiring.

Rated Voltage	24V DC	Monitoring Light	Green color LED (Blinks per 15 seconds)
Working Voltage	12V~30V DC		
Monitoring Current	24V DC/30~80μA	Working Temperature	-10°C ~50°C
Alarm Current	25mA	Working Humidity	0~95%
Stand-by (as turn on) time	15 seconds	Weight	Approx. 133g
Alarm Light	Red	Color	Creamy-white
Exterior Case	Fire-Proof Plastic		



YFD-01 Fixed Temperature Heat Detector

- ♦ Adopt bimetal mechanism and UL approval sensor to ensure stabile performance, long-term durability and less malfunction.
- ♦ The base is as same as other type of our detectors for easy installation.
- ♦ Connections are non-polarized to avoid wiring mistakes.
- ♦ Red indication lamp illuminates when detector is activated.
- ♦ High-temperature enduring plastic are used to build up the main body.
- ♦ Sealed sensor to prevent from moisture and dust entering and maintain the performance.
- ♦ Auto-reset to original status for repeated using.
- ♦ Pure silver contacts ensure quick response.
- ♦ Sensitivity: When exposed within air-stream 1m/sec., 125% higher htan its operating temperature, and at 20°C of ambient temperature, the detector will sound and alarm within 90 seconds.

Contact rating	24 VDC 100 mA max.	Weight	103g
Fixed Temperature	60°C, 70°C, 80°C	Color	Ivory white



YIL-01 Indicating Lamp

- ♦ The lamp flashes indicating fire-state. Lamp is on during normal condition.
- ♦ The lamp cover and base are made of PC flam redundant plastics with stylish outward appearance, endureable with high temperature as well as able to bear forceful bump.

Rated Voltage	24V DC	Rated Current	LED about 20 mA
Material	PC fire-proof plastics		
Weight	Approx 55g	Lamp	Red

CONVENTIONAL DETECTORS

YSH-01 Combination Smoke and Heat Detection



- With smoke and fixed temperature of enlarge detecting range suitable for wide application.
- Sealed and small volume temperature sensor to avoid dust and moisture entering.
- Adopting advanced constant voltage electronic circuit ensure stable sensitivity.
(Operating voltage 12 to 32V DC)
- Circuit board use SMT design for high quality and stable performance.
- Built-in anti-interfered design and anti-moisture process circuit board.
- This unit is repeated use and easy maintenance just by removing the cover to clean inside.
- Connections are non-polarized to avoid wiring mistakes.

Voltage Rating	24V DC	Ambient temperature	-10°C~+50°C
Operating Voltage	12~32V DC	Ambient Humidity	0~95%
Supervising Current	60μA (max)	Body case	PC-ABS eithstands impact and heat to a high degree.
Alarm Activated Current	100μA (max)		
Test fixed temperature	68.75°C (set tmeq.55°C)	Weight	150g
Test smoke concentration	15% per meter (smoke concentration 10%)	Color	Creamy-white

YMH-01 Multipurpose Heat Detector



- The sensitive of fixed temperature heat detector part is stabilized performance, long-term durability and least malfunction are ensured by employing a bimetal mechanism. (certificated by UL)
- The exhaust valve of rate of rise heat detector part uses optical fiber glass capillary tubing that is heat-resistant and moisture-proof. Therefore, the fault alarm never occurs.
- Self-restoring ensures repeated use. The sensitive part is enclosed to prevent from being moistened and contaminated.
- Mechanical operating principle ensure the long-term durability and the least malfunction.
- High-temperature-enduring plastics and fireproof material are used to build up the main body of the detector that 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 writing mistakes.

Working temperature	Room temperature +30°C	Alarm Activated time	Rate of rise heat detector within 30 sec
Fixed temperature	70°C (variable)		Fixed temperature heat detector within 120 sec
Voltage Rating	24V DC	Body case	PC-ABS fireproof plastic
Operating Voltage	18V to 30V DC		
Alarm Activated Current	24V DC 100mA	Weight	Approx. 126g
Ambient temperature	-10°C~+50°C	Color	Creamy-white
Ambient Humidity	0~ 5 %		

YFM-01 Fire Manual Station



- Auto-Return push button, no need to disassemble the main body.
- Response light available to identify the operation completed.
- Reinforced transparent protective cover is reusable.
- All parts are fire redundant, light, convenient and stylish.
- Easy connection through terminators.

Rated Voltage	24V DC	Weight	Approx 158g
Dimensions	140mm(Dia.)	Color	Red
Alarm Current	75mA	Material	PC-ABS

YFB-B6 Fire Bell



- The fire alarm bell is controlled by fire receiver terminal or the repeater and sounds a warning as fire occurred.
- The bell is motor-driven taken at low consumption current, to reduce the load for power output from receiver terminal.
- The design with exceptional sturdy and durable structure. The bell can even ring to last 40 hours without decline of performance and structure.

Rated Voltage	24V DC	Material	3.0mm Alloy Alu
Rated Current	30 mA	Weight	About 414g