

FIRE
SAFETY

EQUIPMENT



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YUN-YANG

FIRE
SAFETY

EQUIPMENT

HOME

FACP

DETECTOR

VOICE
EVACUATION

ISO 9001
Quality Certified



Yun Yang Fire Safety Equipment

FIRE SAFETY EQUIPMENT

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◆ SGS ISO 9001 Certificate



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- ◆ YEPA-0440 ; YPA-0440 ; YEPA-0436 ; YPA-0436 ; YEPA-0424 ; YPA-0424 ; YPA-0450 Power Amplifier (CE)



- ◆ Emergency Light (Patent)
- ◆ Voice Wireless Transmission Fire Detection Illumination Device (Patent)
- ◆ Integrated Transmission Module of Voice Evacuation System (Patent)
- ◆ Integrated Voice Evacuation System and Graphic System (Patent)
- ◆ Fire Alarm Control Panel (Patent)
- ◆ Fire Safety Monitoring and Control System (Patent)
- ◆ Fire Alarm Control Panel Test Device (Patent)
- ◆ Wireless Stand Alone Voice Detector (Patent)
- ◆ Toxic Gas Detection and Automatic Shut Off System (Patent)
- ◆ Two-Wire Transmission Communication Device (Patent)
- ◆ High Performance Amplifier Device (Patent)
- ◆ Public Address Speaker Circuit Device (Patent)
- ◆ Addressable Decoding Zoning Control Speaker Device (Patent)
- ◆ Fire Alarm Control Panel and Voice Evacuation System's Indicator Panel Device (Patent)



TTY is one of the well-known fire safety manufacturers. It occupies over 400 square meters, and is founded in Kaohsiung Taiwan in 1999. Our company regards the public demand for safety as our own and commits to the design and manufacturing of fire alarm control panels, integrated voice evacuation systems, PA speakers and fire detectors.

Our company holds the spirit of "not producing, not accepting and not selling defective products". All TYY products are manufactured under a strict quality control system. Our commitment to quality is evinced by the certification of National Fire Agency, Ministry of the Internal Affairs and Ministry of Economic Affairs, under ISO9001:2008 recognized standard of quality management system.

We focus on quality and after-sales services, and offer technical training engineer courses that meet customers needs more reliably and efficiently, we have set up subsidiaries over 700 sales locations across the country and occupied first place in domestic market. Recently, our business expands to Southeast Asian countries, and worldwide.

TTY' CEO Mr. Zhang Lai-Chuan is rewarded for "good people and good deeds representative". During Director of Kaohsiung United Charity Association he undertakes public sector to carry on "Homeless shelter and homeless service", "Poverty and assistance to family planning" and establish second generation with anti poverty programs such as "Harbor City Collective Student Loan", "Youth Pre-Employment Training Program", utility "food coupon" to help "Seeing Hope Express Service". Besides, he has the idea of "taking from the community and giving back to society" and leading employees to make monthly donation to support deprived families with "food coupon", to help families in need, in cognition of corporate social responsibility.

YUN YANG
FIRE SAFETY EQUIPMENT

YFR-2 Series

Touch Screen



YUN EQUIPMENT
FIRE SAFETY YANG

Features

- 7-inch color touchscreen operating interface, with LCD backlight power-saving function.
- Digital voltage gauge displays the voltage clearly.
- Capacitive LED backlight touch switch (optional).
- Independent fire, gas, and carbon monoxide dedicated displays and speakers for easy identification of different signals.
- Interactive action navigation provides guidance for the on-duty staff through emergency operations during a fire.
- Touchscreen operating instructions.
- Built-in sound synthesis device, with voice guidance function.
- LCD with three separate areas that independently display fire, gas, output equipment, and other information.
- Support for SD cards, recording up to 99999 records.
- Alarm history, operation history, communication history, list of output status, address table, and interlock table query function.
- Data configuration can be downloaded directly through the network or using an SD card. Configuration is made simple without the need for a burner.
- Network control function (optional, requires GUI PC system):
 - Monitors the following:
 - ※ Disaster prevention center control panel.
 - ※ Monitor with live image from the alarm zone.
 - ※ Gas, carbon monoxide leak monitoring.
- Control panel parameter settings can be modified directly on the touchscreen.
- The main system signal line is equipped with external ground detection and spike protection.
- The delayed opening and closing of fan gates can be configured through software.
- Fire, ventilation, sprinkler, and foam relays each controlled by individual switches.
- Control panel equipped with permanent and temporary isolation settings.
- Automatic testing, manual testing, weekly testing, and terminal device manual activation functions.
- System communication module with overload, and communication short circuit protection.
- Communication and circuit L+L-error detection.
- Repeater module wiring error protection.
- Detection device two-stage delay function (delay time can be set individually).
- Expandability:
 - ※ Optional 17-inch color touchscreen backup display with multiple functions and the option of GUI and remote monitoring system software for the customer to choose from:
 - ◎Touch-enabled disaster prevention center fire-fighting equipment monitoring panel.
 - ※ RJ-45 (cat-6 network cable) communication link.
 - ※ Saves equipment cost and installation time. Does not take up an address.
 - ※ Complete monitoring and control: functions include monitoring and control of equipment in the site.
 - ※ Real-time display of all or classifies disaster-prevention equipment and devices.
 - ※ Switch to prevent accidental activation of controls.
 - ※ Connect up to 16 system circuit communication modules, up to 4096 addresses.
 - ※ Serial alarm relay interface, up to 4000 points.
 - ※ Annunciator syncing: Maximum 16.
 - ※ Using the GUI PC, up to 16 R-type units can be controlled to establish a large fire alarm monitoring network.
 - ※ High speed dot matrix micro-printer using thermal paper for printing all event information (optional).

Dimensions

Box Type	Wall-mount								Cabinet							
Addresses / Loops	256/1L	512/2L	768/3L	1024/4L	1280/5L	1536/6L	1792/7L	2048/8L	2304/9L	2560/10L	2816/11L	3072/12L	3328/13L	3584/14L	3840/15L	4096/16L
H (mm)	450		870						1500							
W (mm)	480		560						560							
D (mm)	140		200						260							
With 17-inch Touchscreen																
Box Type	Wall-mount		Cabinet													
Addresses / Loops	256/1L	512/2L	768/3L	1024/4L	1280/5L	1536/6L	1792/7L	2048/8L	2304/9L	2560/10L	2816/11L	3072/12L	3328/13L	3584/14L	3840/15L	4096/16L
H (mm)	870		1500						1800							
W (mm)	560		560						560							
D (mm)	200		260						360							

Specifications

Item	Specification							
Model Number	YFR-2							
Main Power	AC110V 50 / 60Hz 、 AC220V 50 / 60Hz							
Addresses / Loops	256 / 1L	512 / 2L	768 / 3L	1024 / 4L	1280 / 5L	1536 / 6L	1792 / 7L	2048 / 8L
	2304 / 9L	2560 / 10L	2816 / 11L	3072 / 12L	3328 / 13L	3584 / 14L	3840 / 15L	4096 / 16L
Backup Power Supply	DC24V							
Circuit Voltage	Load Power / Indicating Lamp / Zone Telephone: DC24V Communication System Power: AC32V							
Power Consumption	Main panel monitoring (Max): 800mA Communication board (per loop) Monitoring (Max): 280mA							
Transmission Mode	Select / poll							
Alarm Relay Output Mode	Contact output: Serial alarm relay×26 groups, up to 4000 points (40-point standard contact requirement, expandable to 160 points)							
Sound Output	Synthesized voice, voice, or alarm (90 dB or higher)							
Cabinet Material	Steel plate with powder coating							

Diagram of YFR-2 Addressable Fire Alarm Control Panel

Wiring Specifications

Control Panel / Annunciator / Touch Screen Computer / High Level Disaster Prevention Monitoring Computer / DVR Host

Internet TCP / IP linkage : Internet cable (CAT-5 / CAT-6)

Loop communication wire

2.0 \varnothing mm²×2C shielded twisted line

Monitoring camera to DVR main line

5C2V coaxial cable

If there are load power wires for bells, gates, buzzers, electric valves, magnetic door holders

1.6~2.0 \varnothing mm×2C

Connecting to conventional detectors / monitoring fire equipment

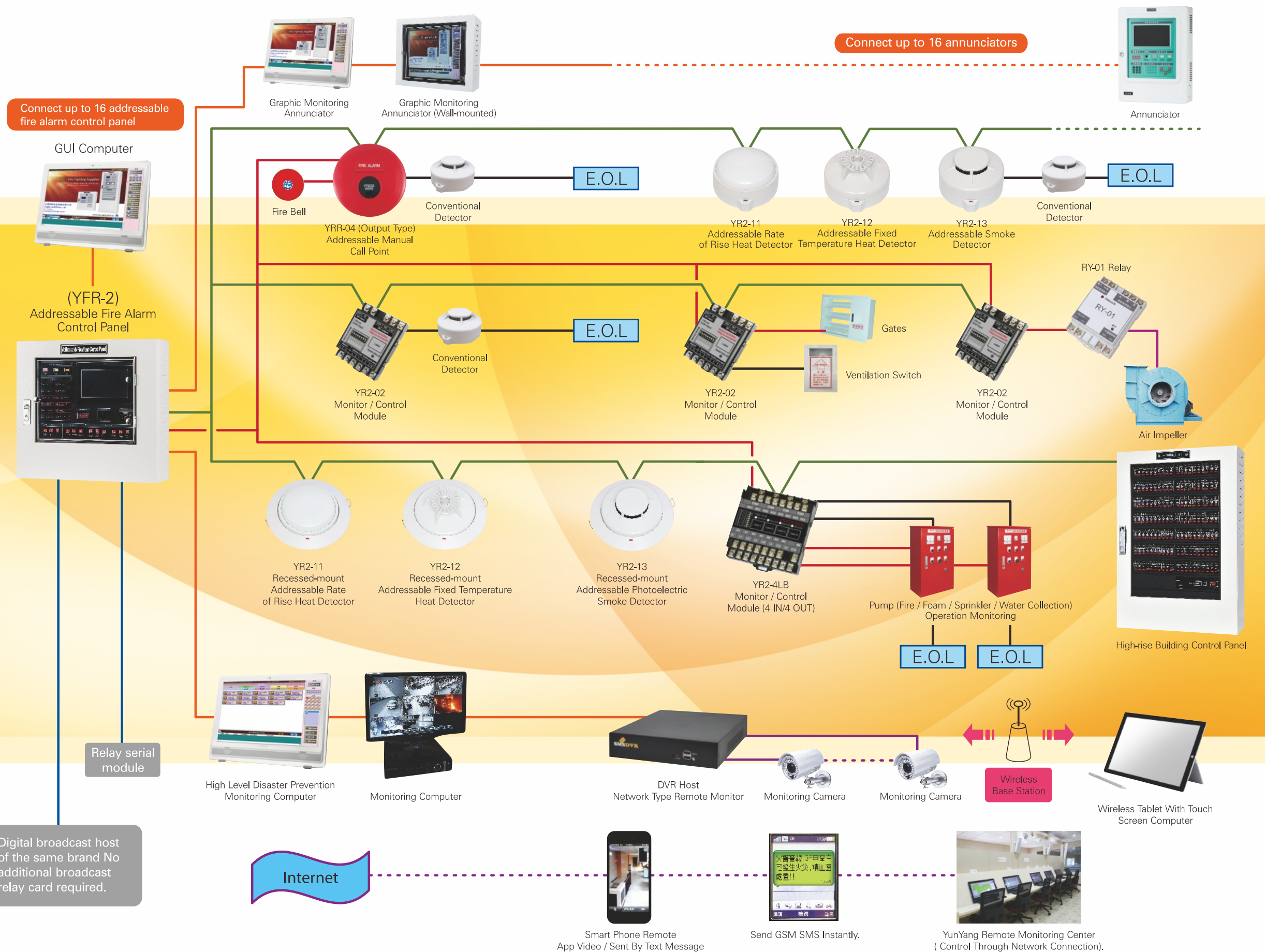
1.2 \varnothing mm×2C

Broadcast communication protocol relay wire

1.25 \varnothing mm²×2C shielded twisted line or CAT-5 / CAT-5e / CAT-6 Internet line

Broadcast relay serial module

1.25 \varnothing mm²×2C shielded twisted line



Digital broadcast host of the same brand No additional broadcast relay card required.

YFR-1 Series



YFR-1 With 17-inch Touchscreen



YFR-CCM



Features

- Chinese / English LCD (LCD size 240 × 128, Displays graphics or up to 120 Chinese characters).
 - LCD backlight energy saving function.
 - Two-wire transmission.
 - Permanent data storage up to 2000 records.
 - Synthesized voice alarm function (Voice broadcast for notifying staff on duty).
 - Voice guidance function (during operation).
 - Abnormal temperature protection function (System communication module overload) .
 - Communication and circuit wire insulation damage detection.
 - Lightning and spike protection.
 - Repeater module wiring fault protection, repeater module segmented isolation.
 - Display of all repeater module status on a single screen.
 - Address table / interlocked table LCD display function.
 - Weekly automatic testing function, follow-up buzzer function.
 - Two-stage delay function, backup power energy saving function.
 - Expandability
 - Optional 17" touchscreen backup color display.
 - Fire alarm GUI system / Riser diagram touchscreen fire alarm display panel.
- Connect up to 8 system circuit communication modules, up to 2048 addresses.
 - Serial alarm relay interface, up to 2000 points.
 - Annunciator syncing: Maximum 16 connected units.
 - Using the GUI PC, up to 8 addressable control panels can be controlled to establish a large fire alarm monitoring network.
 - High speed dot matrix micro-printer using regular paper for printing all event information (optional).
 - Optional functions:
 - Three RS-485 ports for connecting to the central monitoring system PC.
 - Disaster prevention center fire-fighting equipment monitoring panel.
 - Two-wire communication link (shielded twisted line).
 - Saves equipment cost and construction time. Takes up an address.
 - Complete monitoring and control: functions include monitoring and control of equipment in the site.
 - Real-time display of all disaster-prevention equipment and devices.
 - Switch to prevent accidental activation of controls.

Dimensions

Box Type	Wall-mount								
Addresses / Loops	150 / 1L	256 / 1L	512 / 2L	768 / 3L	1024 / 4L	1280 / 5L	1536 / 6L	1792 / 7L	2048 / 8L
H (mm)	450			840				1020	
W (mm)	480			480				480	
D (mm)	140			180				180	
With 17-inch Touchscreen									
Box Type	Wall-mount				Cabinet				
Addresses / Loops	150 / 1L	256 / 1L	512 / 2L	768 / 3L	1024 / 4L	1280 / 5L	1536 / 6L	1792 / 7L	2048 / 8L
H (mm)	870				1500			1800	
W (mm)	560				560			560	
D (mm)	200				260			360	

Specifications

Item	Specification									
Model Number	YFR-1									
Main Power	AC110V 50/60Hz · AC220V 50/60Hz									
Addresses / Loops	150/1L	256/1L	512/2L	768/3L	1024/4L	1280/5L	1536/6L	1792/7L	2048/8L	
Backup Power Supply	DC24V									
Circuit Voltage	Load Power / Indicating Lamp / Zone Telephone: DC24V Communication System Power: AC32V									
Power Consumption	Main panel monitoring (Max): 500mA Communication board (per loop) Monitoring (Max): 280mA									
Transmission Mode	Select / poll									
Alarm Relay Output Mode	Contact output: Serial alarm relay×13 groups, up to 2000 points (40-point standard contact requirement, expandable to 160 points)									
Sound Output	Synthesized voice, voice, or alarm (90 dB or higher)									
Cabinet Material	Steel plate with powder coating									

Addressable Fire Alarm Control Panel (YFR-1)



YFR-2 Monitor / Control Module

Common Features

- Equipped with status indicators for three states: monitoring, action and error.
- Applies binary DIP switch allowing for easy setting of addresses.
- Dual-wire multi-transmission technology.
- Stable communication, resistant to noise and interference.
- Self-testing function for disconnected and active states.
- Expandable with smoke detectors, rate of rise heat detectors and fixed temperature detectors without the need for external power.
- Signal display method:
Action: Red light on.
Disconnected: Red light flashing.
Monitoring: The red light flashes every 1.5 seconds.
- Installation method: Surface-mounted type: Connected in parallel to the aluminum rail groove fixed structure, fitted with a movable track clamp, can be installed or removed individually.
- Able to confirm contact via manual call point A. Once the signal is boosted, it will transmit the signal to the Addressable Fire Alarm Control Panel via the control module, and the manual call point's indicator will light up to show that the signal originates from the manual call point's boosted signal.
- Equipped with a control switch to confirm monitoring point M's contact, confirming that the equipment is indeed monitoring (double confirmation notification), and transmits the signal to the Addressable Fire Alarm Control Panel's LCD screen display, so that the user can determine whether the control equipment is indeed on.
For example: Functions such as signal feedback after the gate is opened, the feedback signal to confirm that the overhead door is lowered, the feedback signal to confirm that the windmill is operating, the feedback to confirm the location and relay.



YR2-02
Monitor / Control
Module



YR2-02A
Monitor Module

Item	Specifications	
Model Number	YR2-02	YR2-02A
Product Name	Monitor / Control Module	Monitor Module
Function	Circuit Input / Output	Circuit Input
Features	a. Able to conduct voltage controlled output and motion confirmation b. Able to conduct voltage output control of the node at DC24V, directly connecting to the device's load	
Output Contact Rating	DC 30V / 2A (MAX)	
Communication Line Impedance	Internal impedance below 10 Ω / trunk line	
Input Detection	Smoke, fixed temperature, rate of rise heat and NO contact type (L, C)	
Other Monitoring Inputs	NO zero voltage source signal M+, A	
Material	Flame resistant plastic	
Dimensions	30(W) × 80(L) × 32.5(H) mm	
Remark	R-type-designated E.O.L	

Common Features

- Equipped with status indicators for three states: monitoring, action and error.
- Applies binary DIP switch allowing for easy setting of addresses.
- Dual-wire multi-transmission technology.
- Stable communication, resistant to noise and interference.
- Self-testing function for disconnected and active states.
- Expandable with smoke detectors, rate of rise heat detectors and fixed temperature detectors without the need for external power.
- Signal display method:
Action: Red light on.
Disconnected: Red light flashing.
Monitoring: The red light flashes every 2.5 seconds.
- Installation method: Surface-mounted type: Connected in parallel to the aluminum rail groove fixed structure, fitted with a movable track clamp, can be installed or removed individually.



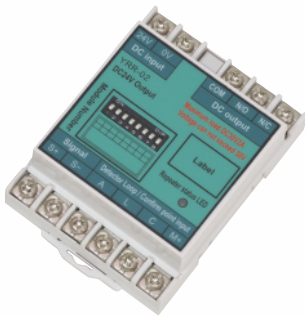
YR2-4LB

Item	Specifications
Model Number	YR2-4LB
Product Name	Monitor / Control Module
Function	4 Circuit Input / Output
Features	a. Able to conduct voltage controlled output and motion confirmation b. Able to conduct voltage output control of the node at DC24V, directly connecting to the device's load
Output Contact Rating	DC 30V / 2A (MAX)
Communication Line Impedance	Internal impedance below 10 Ω / trunk line
Input Detection	Smoke, fixed temperature, rate of rise heat and NO contact type (L, C)
Other Monitoring Inputs	NO zero voltage signals M1-M3, A1-A3 / NO zero voltage signals M1-M4, A1-A4
Material	Flame resistant plastic
Dimensions	93.5(W) × 93(L) × 47.8(H) mm
Remark	R-type-designated E.O.L

YFR-1 Monitor / Control Module

Common Features

- Equipped with status indicators for three states: monitoring, action and error.
- Applies binary DIP switch allowing for easy setting of addresses.
- Dual-wire multi-transmission technology.
- Stable communication, resistant to noise and interference.
- Self-testing function for disconnected and active states.
- Expandable with smoke detectors, rate of rise heat detectors and fixed temperature detectors without the need for external power.
- Signal display method:
Action: Red light on.
Disconnected: Red light flashing.
Monitoring: The red light flashes every 2.5 seconds.
- Installation method: Surface-mounted type: Connected in parallel to the aluminum rail groove fixed structure, fitted with a movable track clamp, can be installed or removed individually.
- Able to confirm contact via manual call point A. Once the signal is boosted, it will transmit the signal to the Addressable Fire Alarm Control Panel via the control module, and the manual call point's indicator will light up to show that the signal originates from the manual call point's boosted signal.
- Equipped with a control switch to confirm monitoring point M's contact, confirming that the equipment is indeed monitoring (double confirmation notification), and transmits the signal to the Addressable Fire Alarm Control Panel's LCD screen display, so that the user can determine whether the control equipment is indeed on.
For example: Functions such as signal feedback after the gate is opened, the feedback signal to confirm that the overhead door is lowered, the feedback signal to confirm that the windmill is operating, the feedback to confirm the location and relay.



YRR-02
Monitor / Control Module



YRR-01
Monitor Module

Item	Specifications	
Model Number	YRR-02	YRR-01
Product Name	Monitor / Control Module	Monitor Module
Function	Circuit Input / Output	Circuit Input
Features	a. Able to conduct voltage controlled output and motion confirmation b. Able to conduct voltage output control of the node at DC24V, directly connecting to the device's load	
Output Contact Rating	DC 30V / 2A (MAX)	
Communication Line Impedance	Internal impedance below 10 Ω / trunk line	
Input Detection	Smoke, fixed temperature, rate of rise heat and NO contact type (L, C)	
Other Monitoring Inputs	NO zero voltage source signal M+, A	
Material	Flame resistant plastic	
Dimensions	60(W) × 80(L) × 32.5(H) mm	
Remark	R-type-designated E.O.L	

Common Features

- Equipped with status indicators for three states: monitoring, action and error.
- Applies binary DIP switch allowing for easy setting of addresses.
- Dual-wire multi-transmission technology.
- Stable communication, resistant to noise and interference.
- Self-testing function for disconnected and active states.
- Expandable with smoke detectors, rate of rise heat detectors and fixed temperature detectors without the need for external power.
- Signal display method:
Action: Red light on.
Disconnected: Red light flashing.
Monitoring: The red light flashes every 2.5 seconds.
- Installation method: Surface-mounted type: Connected in parallel to the aluminum rail groove fixed structure, fitted with a movable track clamp, can be installed or removed individually.



YRR-3LO



YRR-4LO



YRR-3LI
Monitoring Type



YRR-4LI
Monitoring Type

Item	Specifications	
Model Number	YRR-3LO / YRR-4LO	YRR-3LI / YRR-4LI
Product Name	Monitor / Control Module	Monitor Module
Function	3 Circuit Input / Output 4 Circuit Input / Output	3 Circuit Input 4 Circuit Input
Features	a. Able to conduct voltage controlled output and motion confirmation b. Able to conduct voltage output control of the node at DC24V, directly connecting to the device's load	
Output Contact Rating	DC 30V/2A(MAX)	
Communication Line Impedance	Internal impedance below 10 Ω / trunk line	
Input Detection	Smoke, fixed temperature, rate of rise heat and NO contact type (L, C)	
Other Monitoring Inputs	NO zero voltage signals M1-M3, A1-A3 / NO zero voltage signals M1-M4, A1-A4	
Material	Flame resistant plastic	
Dimensions	93.5(W) × 87(L) × 43(H) mm	
Remark	R-type-designated E.O.L	

YFR-1 YFR-2

Surface-mount Addressable Detector Series

※The YFR-1 devices can not compatible with YFR-2 devices.

Features

- ◆ Dual-wire multi-transmission.
- ◆ Uses binary addressing coding thumb wheel switch.
- ◆ Expandable conventional detector.
- ◆ Can automatically return to the original state and be reused after an action is completed.



Item	Specifications		
Model Number	YRR-11 YR2-11	YRR-12 YR2-12	YRR-13 YR2-13
Product Name	Surface-mounted addressable rate of rise heat detector	Surface-mounted addressable fixed temperature heat detector	Surface-mounted addressable photoelectric smoke detector
Number of Sensitivity Settings	Two types	One type	Two types
Functions	<ul style="list-style-type: none">◆ High sensitivity to rapidly rising temperatures during fires.◆ Based on mechanical movement for long term durability and minimal failure rate.◆ Uses high-quality components to ensure reliable performance.	<ul style="list-style-type: none">◆ Uses UL certified temperature probe, stable quality and very reliable.◆ Sealed sensor unit to avoid moisture and dust from entering and affecting its capabilities.◆ Highly inductive pure silver electrical contacts.	<ul style="list-style-type: none">◆ Photoelectric induction principle, highly stable while being fast and accurate and not subject to malfunctions resulting from chemical, gas leakage or external light sources.◆ Equipped with an insect-proof netting, with an aperture of 0.5mm, that allows smoke to flow smoothly while preventing insects and dust from entering.◆ This detector is not radioactive, is harmless to humans and animals.
Working Environment	0°C~50°C Relative humidity of below 95%	-10°C Nominal operating temperature lowered by 20°C	0°C~50°C Relative humidity of below 95%
Communication Line Impedance	Internal impedance below 10 Ω / trunk line		
Material	Flame resistant plastic		
Dimensions	108 Ø×43(H) mm	108 Ø×46(H) mm	108 Ø×47(H) mm
Remark	Includes R-type-designated E.O.L		

YFR-1 YFR-2

Ceiling Mount Addressable Detector Series

※The YFR-1 devices can not compatible with YFR-2 devices.

Features

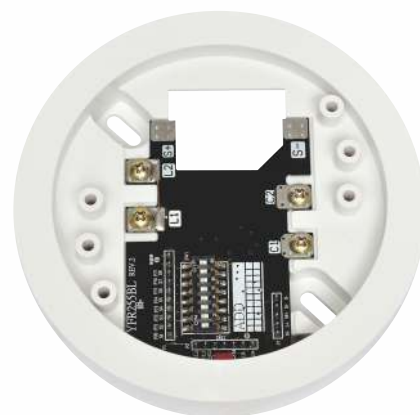
- ◆ Dual-wire multi-transmission.
- ◆ Uses binary addressing coding thumb wheel switch.
- ◆ Expandable conventional detector.
- ◆ Can automatically return to the original state and be reused after an action is completed



Item	Specifications		
Model Number	YRR-11 YR2-11	YRR-12 YR2-12	YRR-13 YR2-13
Product Name	Ceiling mount addressable rate of rise heat detector	Ceiling mount addressable fixed temperature heat detector	Ceiling mount addressable photoelectric smoke detector
Number of Sensitivity Settings	Two types	One type	Two types
Functions	<ul style="list-style-type: none">◆ High sensitivity to rapidly rising temperatures during fires.◆ Based on mechanical movement for long term durability and minimal failure rate.◆ Uses high-quality components to ensure reliable performance.	<ul style="list-style-type: none">◆ Uses UL certified temperature probe, stable quality and very reliable.◆ Sealed sensor unit to avoid moisture and dust from entering and affecting its capabilities.◆ Highly inductive pure silver electrical contacts.	<ul style="list-style-type: none">◆ Photoelectric induction principle, highly stable while being fast and accurate and not subject to malfunctions resulting from chemical, gas leakage or external light sources.◆ Equipped with an insect-proof netting, with an aperture of 0.5mm, that allows smoke to flow smoothly while preventing insects and dust from entering.◆ This detector is not radioactive, is harmless to humans and animals.
Working Environment	0°C~50°C Relative humidity of below 95%	-10°C Nominal operating temperature lowered by 20°C	0°C~50°C Relative humidity of below 95%
Communication Line Impedance	Internal impedance below 10 Ω / trunk line		
Material	Flame resistant plastic		
Installation Hole Size	110Ø mm		
Dimensions	139.5 Ø×50.5(H) mm	139.5 Ø×52(H) mm	139.5 Ø×53(H) mm
Remark	Includes R-type-designated E.O.L		

YFR-1 YFR-2 Addressable Detector Base

※The YFR-1 devices can not compatible with YFR-2 devices.



YRR-03 YR2-03 Surface-mount

Functions

- Equipped with status indicators for three states: monitoring, action and error.
- Binary DIP switch for convenient addressing.
- Dual-wire multi-transmission technology.
- Stable communication, resistant to noise and interference.
- Self-testing function for disconnected and active states.
- Expandable with smoke detectors, rate of rise heat detectors and fixed temperature detectors without the need for external power.

Specifications

- Function: Circuit input with zero voltage control point output
- Communication line impedance: Internal impedance below 10Ω / trunk line
- Working Environment: 0°C to 50°C, relative humidity below 85%
- Material: Flame resistant plastic
- Dimensions: 108 × 22.6(H) mm
- Remark: Includes R-type-designated E.O.L

YRR-03 YR2-03 Recessed-mount

Functions

- Equipped with status indicators for three states: monitoring, action and error.
- Binary DIP switch for convenient addressing.
- Dual-wire multi-transmission technology, stable communication, resistant to noise and interference.
- Self-testing function for disconnected and active states.
- Expandable with smoke detectors, rate of rise heat detectors and fixed temperature detectors without the need for external power.
- Recessed-mounted type base fixed iron fixture, easy to install and aesthetically pleasing.

Specifications

- Function: Circuit input with zero voltage control point output
- Communication line impedance: Internal impedance below 10Ω / trunk line
- Working Environment: 0°C to 50°C, relative humidity below 85%
- Material: Flame resistant plastic
- Installation hole diameter: 110mm
- Dimensions: 108 × 22.6(H) mm
- Remark: Includes R-type-designated E.O.L

YRR-03 YR2-03 Multi-purpose

Functions

- Equipped with status indicators for three states: monitoring, action and error.
- Binary DIP switch for convenient addressing.
- Dual-wire multi-transmission technology, stable communication, resistant to noise and interference.
- Self-testing function for disconnected and active states.
- Capable of controlling output with zero voltage.
- Expandable with smoke detectors, rate of rise heat detectors and fixed temperature detectors without the need for external power.
- Able to connect with conventional detector models of all varying brands.

Specifications

- Function: Circuit input with zero voltage control point output
- Communication line impedance: Internal impedance below 10Ω / trunk line
- Working Environment: 0°C to 50°C, relative humidity below 85%
- Material: Flame resistant plastic
- Dimensions: 115 × 19.6(H) mm
- Remark: Includes R-type-designated E.O.L



YRR-04 YR2-04

Addressable Manual Call Point (Output Type)

Functions

- Equipped with status indicators for three states: monitoring, action and error.
- Binary DIP switch for convenient addressing.
- Dual-wire multi-transmission technology.
- Stable communication, resistant to noise and interference.
- Self-testing function for disconnected and active states.
- Expandable with smoke detectors, rate of rise heat detectors and fixed temperature heat detectors without the need for external power.
- Equipped with control output and action confirmation functions.

Specifications

- Function: Circuit input and circuit control output
- Communication line impedance: Internal impedance below 10Ω / trunk line
- Working Environment: 0°C to 50°C, relative humidity below 90%
- Material: Flame resistant plastic
- Dimensions: 140 × 58(H) mm
- Remark: R-type-designated E.O.L

YRR-21_1 Communication Isolation Module

※ For use with YFR-1 and YFR-2

Functions

- Isolation module for R-type two-wire communication system.
- Dedicated isolation interface for main and branch lines at the junction.
- The isolation module itself does not occupy an address.
- The isolation module is connected in series between the main wire and the branch. When a short circuit occurs somewhere, the isolation module will automatically isolate the short circuit from the main branch.

Specifications

- Function: Communication line short circuit isolation
- Short circuit response time: At most 0.3 seconds
- Working Environment: 0°C to 50°C, relative humidity below 90%
- Reply function: A press of the reset button at the control panel can return everything back to home.
- Material: Flame resistant plastic
- Dimensions: 60(W) × 80(H) × 30(D)mm

RY-01 Voltage Control Output Module

※ For use with YFR-1 and YFR-2

Functions

- Used for controlling electric isolation between high power peripheral devices and repeater module.
- Equipped with live output.
- Equipped with overload fuse to provide automatic protection in case of abnormal power supply.
- Equipped with two LEDs: activity indicating lamp and overload indicating lamp.
- Uses a large terminal block to ensure secure and safe connections.

Specifications

- Working Voltage: DC24V
- Current Consumption: DC24V 20mA
- Output contact rating: Less than AC277V/16A
- Dimensions: 60(W) × 80(H) × 32.5(D) mm

YFPR-3 Series



YFPR-3 With 17-inch Touchscreen



YFPR-3 / 10L



YFPR-3 (Graphic)

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Features

- Chinese / English LCD screen:
Operation panel with liquid crystal display (128×64) displays 32 Chinese characters with a text guided interface that clearly displays the current situation, making it helpful for Chinese people to read and operate.
- Capacitive touch switch:
Each touch switch has a super bright LED and an easy-to-identify switch design without the problems of contacts wearing out or bad contacts of conventional switches.
- Rotary switch:
The One rotary switch is all that's needed to configure all functions on main unit. The operation is intuitive and does not require complex procedures.
- Automatic test function:
Disconnect or activate: separately test each loop automatically.
- Connection function:
Connect to the annunciator syncing, LCD annunciator, or monitoring GUI annunciator. Display the activated region on a floor plan.
- Alarm records:
Record up to 500 alarm messages for the fire department and other experts to examine after a fire.
- Two-stage delay function:
A fixed amount of time after loop detection, the sensor is reset and the second stage delay detection minimizes false positives due to loop interference and increases control panel reliability.
- Loop LED status lights:
The loop light board has 5 loop status lights. Each loop status light has three states: off for normal, blinking for disconnected, and always on for activated.
- Voice guidance function:
The system uses voice guidance when an abnormal status occurs so the administrator can understand the abnormal status easily.
- Printer for immediate printing (Optional).
- Lightning and power surge protection.
- Voltage anomaly detection.
- Modular design:
With a modular design, input and output are each equipped with an independent terminal module to improve the efficiency of maintenance and testing.
- Communication error screen:
The control unit has a communication error screen allowing the user to determine directly from the screen whether the loop light board display module and the I/O control and transmission module (I/O board) are communicating normally.
- External loop addresser:
Connects with the repeater module and address probe using the communication module by two-wire transmission to be received and displayed via the configured address.
- Alarm relay output function:
Equipped with a serial alarm relay output which can be directly connected to a Yun Yang broadcast system without the need to wire a broadcast alarm relay.
- Appearance:
The loop display panel uses advanced heat-resistant plastic material and has a simple and elegant streamlined design. The loop display plate shows the building, floor, and loop type at a glance.
- Can connect to up to 15 intelligent fire alarm control annunciator syncing.
- Expandable with an embedded 17-inch color graphical monitoring touch panel (backup display).

Intelligent Fire Alarm Control Panel (Map Type) Features

- Map plate is a precision computer-engraved plate, protected with an acrylic plate and outputs at 400DPI high resolution.
- Used with the fire alarm floor plan. When the fire alarm activates or a disconnect warning appears, the loop status for the zone is displayed.
- Painted engravings separate each fire zone by color. The loop light is a single LED that makes the status of each zone easy to see.
- Replaceable panel can be changed as needed according to the fire alarm zoning diagrams.
- The scale of the building floor plan of the system diagram panel is determined based on the number of monitoring points for the best resolution.
- The dimensions of the map type Fire Alarm Control Panel is dependent upon the actual size of the diagram.

Dimensions

Box Type	Wall-mount						
Number of Loops	5~20L	25~30L	35~40L	45~50L	55~60L	65~70L	75~80L
Height (mm)	450	520	580	700	760	840	930
Width (mm)	480	480	480	480	480	480	480
Depth (mm)	145	180	180	180	180	200	200
Box Type	Wall-mount				Cabinet		
Number of Loops	85~90L	95~100L	105~110L	115~120L	125~130L	135~150L	155~160L
Height (mm)	1020	1110	1195	1350	1600	1800	2000
Width (mm)	580	580	580	580	580	580	580
Depth (mm)	200	200	200	200	260	260	260

Specifications

Item	Specification
Model Number	YFPR-3
Power Supply (AC)	AC 110V 50/60Hz or AC 220V 50/60Hz
Backup Power Supply	DC24V
Charging Voltage and Current	DC26V 450mA or less, fixed voltage trickle charging
Loop External Impedance	Loop impedance 50Ω or less, impedance to ground 2MΩ or more
Detector Installation	No limit to the number of conventional type rate of rise heat detectors / fixed temperature heat detectors. A maximum of 30 smoke detectors (DC24V 40μA) can be connected to each loop.
EOL	The repeater module terminal is capacitive; P-type loop terminal is 10KΩ
Number of Indicating Lamps	1.2 times that of the panel loop (LED indicator light)
Number of Fire Alarm Bells	1.2 times that of the panel loop
Cabinet Material	Steel plate with powder coating
Sound Output	Monotone buzzer (over 85dB at 1 meter away)
Alarm Relay Contact	Non-voltage NO contact capacity AC250V 7A × 2 sets

Diagram of YFPR-3 Intelligent Fire Alarm Control Panel

Wiring Specifications

Loop communication wire

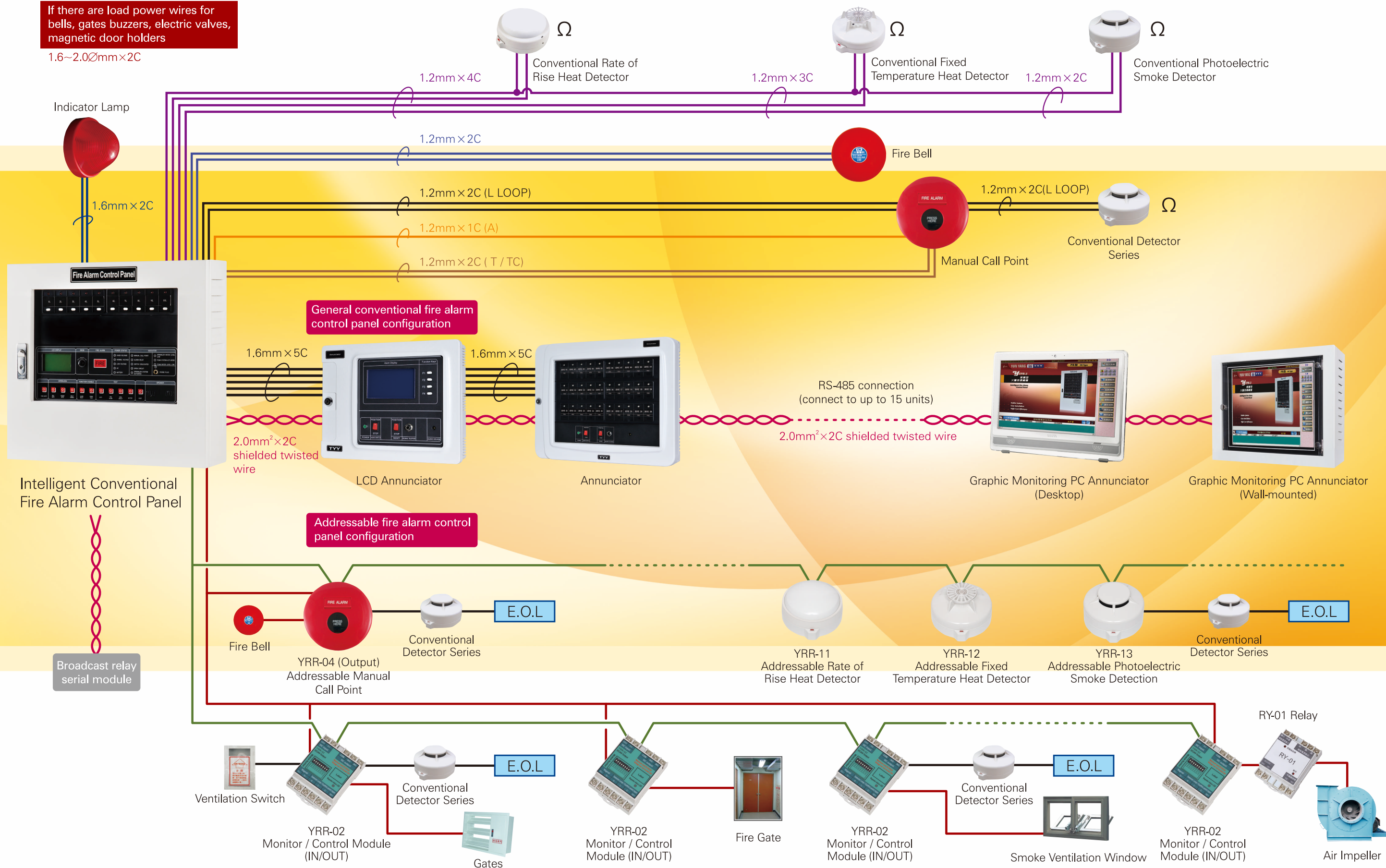
2.0mm²×2C shielded twisted wire

If there are load power wires for bells, gates buzzers, electric valves, magnetic door holders

1.6~2.0mm×2C

Connecting to traditional detectors / monitoring fire equipment

1.2mm×2C



YF-1 Conventional Fire Alarm Control Panel
YF-2 Interlock Control Panel



YF-1 / 15L / Push-button

YF-1 / 20L / Rocker Switch



YF-2
Interlock Control Panel



YF-1 / 5L-A / Push-button
housed in a flame retardant
ABS enclosure.



YF-1 / 5L-A / Rocker Switch
housed in a flame retardant
ABS enclosure.

Dimensions (ABS)

Box Type	Wall-mount
Number of Loops	5~10L
Height (mm)	400
Width (mm)	300
Depth (mm)	126

YF-1 Conventional Fire Alarm Control Panel YF-2 Interlock Control Panel

Features

- ◆ **Two-stage delay function:**
After loop detection has continued for a period of time, the control panel will automatically reset and start the second stage delay detection. This minimizes false alarms and increases reliability.
- ◆ **Backup power supply protection:**
During a blackout, when the backup power output falls to under DC18V, the output would automatically cut off to extend the battery life.
- ◆ **Lightning surge protection:**
The power module is equipped with lightning surge protection, preventing damage to the control panel from high voltages or power surges.
- ◆ **Quality control:**
All components inside the control panel and the parts used on boards have passed CE and CNS quality certifications. The control panel must pass strict tests to ensure the quality of the panel and system before delivery.
- ◆ **Abnormal voltage detection:**
Abnormal voltage detection will indicate whether the voltage is too high or too low.
- ◆ **Usability design:**
The internal boards are designed with modular internal circuit boards separate from the external I/O terminal board, with protective devices at the input. If the loop board breaks down due to an external voltage access during the construction stage, then it can be changed directly without removing exterior wires.
- ◆ **Appearance:**
The loop board uses an advanced heat-resistant plastic material, and has a simple and elegant streamlined design. The loop board clearly shows the name, building, floor, and types of the loops.
- ◆ **Other uses:**
This control panel can be combined with our broadcast host and emergency tele host in one cabinet, thus maintaining a consistent appearance.

Dimensions

Box Type	Wall-mount								
Number of Loops	5~10L	15L	20L	25~30L	35~40L	45~50L	55~60L	65~70L	75~80L
Height (mm)	400	495	580	520	580	700	760	840	930
Width (mm)	300	300	300	480	480	480	480	480	480
Depth (mm)	120	120	120	180	180	180	180	200	200
Box Type	Wall-mount				Cabinet			Interlock control panel	
Number of Loops	85~90L	95~100L	105~110L	115~120L	125~130L	135~150L	155~170L	1L	1L
Height (mm)	1020	1110	1195	1350	1600	1800	2000	180	250
Width (mm)	580	580	580	580	580	580	580	180	210
Depth (mm)	200	200	200	200	260 / 360	260 / 360	260 / 360	75	90

Specifications

Item	Specification	
Model Number	YF-1	YF-2
Power Supply (AC)	AC 110V 50/60Hz, AC220V 50/60Hz	AC110V/220V 50/60Hz automatic switching
Backup Power Supply	DC 24V	DC 24V
Charging Voltage and Current	Under DC26V 450mA , fixed voltage trickle charging	Under DC26V 100mA, fixed voltage trickle charging
Circuit External Impedance	Circuit impedance 50Ω or less, impedance to ground 2MΩ or more.	Circuit impedance 50Ω or less
Detector Installation	No limitation for the number of Conventional Rate of Rise Heat Detectors / Fixed Temperature Heat Detectors. A maximum of 30 smoke detectors (DC24V 40μA) can be connected to a loop.	No limitation for conventional rate of rise heat detectors / fixed temperature heat detectors. A maximum of 18 smoke detectors (DC24V 40μA) can be connected to a loop.
E.O.L Impedance	10KΩ	10KΩ
Number of Indicating Lamp	1.2 times of the panel loop (LED indicator light)	—
Number of Fire Alarm Bell	1.2 times of the panel loop	—
Cabinet Material	Steel plate with powder coating	Steel plate with powder coating
Main Sounder	Monotone buzzer (over 85dB at 1 meter away)	Monotone buzzer (over 85dB at 1 meter away)
Alarm Relay Contact	Non-voltage NO contact capacity AC250V 7A×2 sets	Non-voltage NO contact capacity AC250V 7A×2 sets
Panel Color	Red / Green / Black	White
Switch Mode	Push-button / Rocker switch	Rocker switch

Diagram of YF-1 Conventional Fire Alarm Control Panel

Main Wires are Equipped with Individual Zones and Alarms

Alarm region controllable

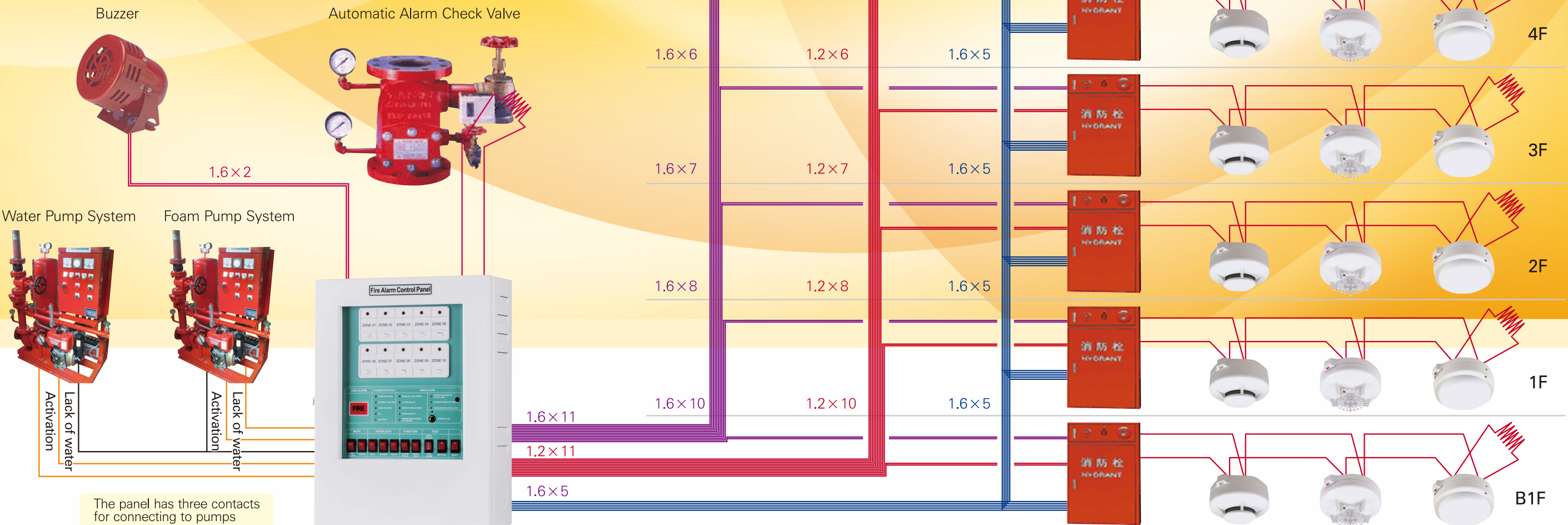
An extra common line must be added when the number of loops over 7 floors.
 ※Wiring requirements: 1.6mm diameter wire

Individual zones

An extra common line must be added when the number of loops exceed 7.
 ※Wiring requirements: Diameter wire >1.2mm

5 main lines for the fire alarm control panel

- ※Power supply for the indicator lamp: 1.6mm × 2C
- ※Power supply for telephone: 1.2~1.6mm × 2C
- ※Manual call point A: 1.2~1.6mm × 1C



The panel has three contacts for connecting to pumps

YF-3 Series

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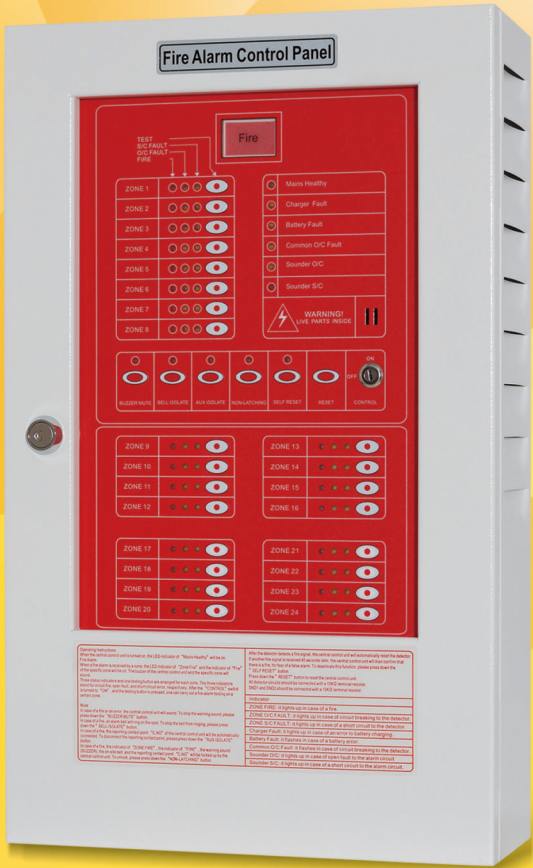
YF-3 / 4L



YF-3 / 2L



YF-3 / 8L-A
housed in a flame retardant ABS enclosure.



YF-3 / 24L

Features

- ♦ Integrated circuit indicators:
Each circuit is equipped with LED indicators for fire, circuit break and short circuit, respectively.
- ♦ The fire alarm circuit and the indicator circuit are able to detect circuit break and offer protection against short circuit.
- ♦ The system can monitor battery over-charging and the voltage of the stand-by battery to ensure that the panel functions well in all circumstances to prevent from disaster.
- ♦ Each circuit is equipped with a testing button to ensure the normal function of initiating circuits.
- ♦ Operations are controlled by a key to prevent false alarms caused by accidental touch.
- ♦ Error detection for voltage source:
Whenever a voltage error is detected by the system, an error alarm will sound and "charger fault" an indicator will illuminated.
- ♦ Two-stage alarm delay function to prevent false alarms:
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, if 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.
- ♦ "Self-reset" mode and "Non Self-reset" mode are available for operators to set if they want the panel to automatically reset the fire alarm signals after the fire signal is released or not.
- ♦ Separate control switches for Buzzer, Bell isolate, Aux isolate, Non-latching, Self-reset and Reset.
- ♦ Digital electronic switches are used for dust proofing and toensure lasting life.
- ♦ Equipped with many function indicators: alarm, power supply and circuit connection fault.
- ♦ Warning sounder is always made automatically with loud sound.
- ♦ Many zone circuit configurations are available:
1L, 2L, 4L, 5L, 8L, 12L, 16L, 20L, 24L (32L ABS only).

Specifications

Item	Specification		
Model	YF-3		
Category	Conventional Fire Alarm Control Panel		
Type	Wall-mount		
Power Source	240V AC 50/60 Hz ±10%		
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	Below 50Ω		
Detector Connection	No limitation for Conventional Rate of Rise or Fixed Temperature Heat Detectors; Up to 30 Photoelectric Smoke Detectors can be connected per zone (monitor current for detectors : 24V DC 40μA)		
E.O.L. Resistor	10KΩ		
No. of Indicators	The same as the number of zones (LED indicating lamp)		
No. of Bells	The same as the number of zones		
Color	Red		
Buttons	Push-button		
Cabinet Material	Powder coating steel (up to 24L only) / Flame retardant ABS enclosure (up to 32L only)		
Main Audio	Mono tone sounder (above 85dB for 1m distance)		
Alarm Relay Contact	No-voltage NO contact, capacity 250V AC / 7A		
Item	Dimensions (Steel)		
Number of Loops	1L / 2L / 4L / 5L / 8L	12L / 16L	20L / 24L
Dimensions (H×W×D)	330×280×120 mm	400×300×120 mm	495×300×120 mm
Item	Dimensions (ABS)		
Number of Loops	1L / 2L / 4L / 5L / 8L	12L / 16L / 20L	24L / 28L / 32L
Dimensions (H×W×D)	260×330×96 mm	400×300×126 mm	370×480×90 mm



YFR-S2 R-type Annunciator

Functions Applicable to YFR-2

- English Liquid Crystal Display
7-inch color LCD touchscreen that simultaneously displays alarms and messages from the control panel, allowing operating staff to be notified remotely.
- Connects to the Addressable Fire Alarm Control Panel via the RJ-45 communication port.
- Annunciator function:
 - The annunciator is equipped with fire indicator, gas leak indicator, high carbon monoxide concentration indicator, power indicator, disconnection indicator, digital voltage gauge, sound output button, interlock termination button, and full reset button.
 - LCD backlight protection.
 - Synthesized voice alarm.
 - List of repeater module status.
 - Can initiate full reset and turn speakers off on the control panel.
- Body uses fire-resistant ABS material (customized steel box also available).
- Dimensions: 400(H)×300(W)×126(D) mm



YFR-S1 R-type Annunciator

Functions Applicable to YFR-1

- English Liquid Crystal Display
5.1-inch LCD screen that simultaneously displays alarms and messages from the control panel, allowing the operating staff to be notified remotely.
- Connects to Addressable Fire Alarm Control Panel via RS-485 (2.0mm²×2C shielded twisted line)
- Annunciator function:
 - The annunciator is equipped with fire indicator, power indicator, communication error indicator, fault indicator, disconnection indicator, voltage gauge, sound output button, interlock termination button and full reset button.
 - LCD backlight protection.
 - Synthesized voice alarm.
 - List of repeater module status.
 - Can initiate full reset and turn speakers off on the control panel.
- Body uses fire-resistant ABS material (customized steel box also available)
- Dimensions: 370 (H)×480 (W)×90 (D) mm



YFR-1 YFR-2 YFPR-3 GUI Computer Annunciator

Functions

- Provides an optimized management interface for the fire alarm system.
- Integrated 22-inch touch screen LCD computer.
- Keeps records of alarms, malfunctions and operation, and other historical information, which can be searched.
- Authorized to manage and diversify print functions.
- Uses RS-485 to connect with the control panel.
- Automatic pop-ups display floor and alarm status when events occurs.
- GUI software supports AUTO CAD images and other various image file formats.
- The screen can display a variety of full views, floor plans, and the corresponding bit map addressing and alarm status.

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YFPR-S3 Intelligent Annunciator (LCD Display)

Functions Applicable to YFPR-3

- Clear English LCD display:
 - Shows alarm messages of the control panel at the same time. The operator can be notified of fire alarms on the other side.
- Uses RS-485 to connect with the control panel.
- Equipped with a telephone input to connect with the fire alarm control panel.
- Synchronized reset function.
- Equipped with audio, an independent buzzer, and mute switch.
- Annunciator function:
 - The annunciator is equipped with a power supply indicator, and an audio switch.
 - LCD backlight protection.
 - Warning sounder.
- Cabinet in a flame retardant ABS enclosure. (Customized steel box also available).
- Dimensions: 260 (H) × 330 (W) × 96 (D) mm



YFPR-L3 Intelligent Annunciator (LED Display)

Functions Applicable to YFPR-3

- Displays the loop lights with the fire alarm control panel at the same time.
- One light is used to indicate three different statuses.
- Equipped with a telephone input to connect with the fire alarm control panel.
- Synchronized reset function.
- Equipped with audio, an independent buzzer, and mute switch.
- Cabinet with loops less than 30L use flame retardant ABS enclosures (Customized iron box also available)
(For Dimensions sizes of below 30L, please refer to the following table).
- Cabinet sizes with a body of above 35L use steel plate with powder coating.
- Box dimensions of flame retardant ABS enclosure.

Dimensions

Cabinet	Wall-mounted		
Number of Loops	5~10L	15L	20~30L
Height (mm)	260	400	370
Width (mm)	330	300	480
Depth (mm)	96	126	90



YF-L1 Annunciator

Functions Applicable to YF-1

- Displays the loop lights with Fire Alarm Control Panel at the same time.
- Three statuses are displayed using one light, which indicates the different statuses.
- Equipped with telephone input to connect with fire alarm control panel.
- Synchronized reset function.
- Equipped with audio, an independent buzzer, and a mute switch.
- Steel cabinet only.

Dimensions

Number of Loops	5~15L (New)	20L (New)	25L (New)	30L (New)	35~40L (New)	45~50L (New)	55~60L	65~70L	75~80L	85~90L	95~110L	115~130L
Height (mm)	330	400	495	580	450	520	700	760	840	930	1020	1110
Width (mm)	285	300	300	300	480	480	480	480	480	480	580	580
Depth (mm)	70	70	70	70	90	90	180	180	200	200	200	200

Stand-alone Residential Voice Alarm Detector

Features

- Audible and easy to understand audio broadcasts for children and seniors.
- Uses durable lithium battery.
- Suitable for houses.
- Equipped with an automatic test function, users would be notified of any faults immediately.
- Ring-shaped with high brightness alarm indication, without any blind angles.
- Easy to install without any wires. (wall-mounted type available)

Item	Specification		
Model	YDS-H02	YDT-H02	YDS-H03
Operation Principle	Smoke Detection	Heat Detection	Smoke Detection
Operating Concentration / Temperature	Smoke concentration 15%	Operating temperature 65°C	Smoke concentration 15%
Operating State	Ring type with LED flashes and broadcasts fire alarm warnings in English		LED flashes and broadcasts alarm at the same time
Low Voltage	If the voltage is under 2.69 V, it will chirp sounds every 88 seconds as a reminder		
Fault Status	If any fault is detected, it will keep playing the "fault" sound		
Power Supply	DC3V / Designated lithium battery ※Battery life might depend on the conditions of use.		
Sound Output	Over 80dB for 1m		
Ambient Temperature	0°C~50°C		
Dimensions	102 mm (diameter) × 43 mm (high)		
Weight	Approx. 135 grams	Approx. 113 grams	Approx. 135 grams



YDS-H02



YDT-H02



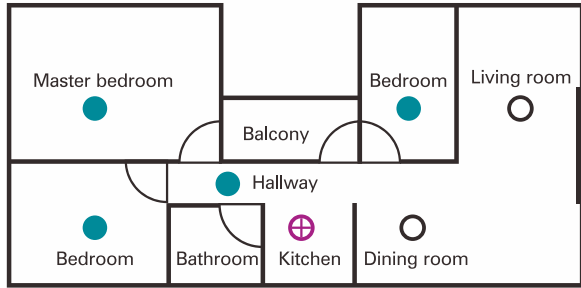
YDS-H03

Installation Location

In order to achieve optimum protection effectiveness, the detector can be installed in every individual room, such as the bedroom, kitchen, stairway, hallway, attic, living room, storage room and basement.
(If the length of the hallway or each individual room is more than 10 meters, it is recommended to install more than one voice alarm detector).

Single floor residence: Install at least one detector inside and outside per room.

Multi-story residence: Install at least one inside and outside per room and in the stairway.



- Locations in the house where it is necessary to install smoke detectors.
- Locations where it is recommended to install smoke detectors to achieve optimum protection.
- ⊕ Locations where smoke is frequently detected, and it is recommended to install heat detectors.



YLE-01E Emergency Light



Features

- Light angle can be adjusted to the most suitable angle.
- Fitted with a two-row charging indicating lamps guide column, can be used for night time guidance, with an intricate and beautiful design.
- Uses 24 large ultra bright LEDs to ensure a large area can be illuminated during a power outage.
- Attractive exterior design saving space required, while also fitted with a power source switch that allows for portable emergency lighting.
- Does not require water nor maintenance, able to be charged and discharged over 300 times.
- Fully automatic charge control, the cable is fitted with over charging protection functions, effectively extending the battery's lifetime and enhancing its safety and reliability.
- Uses trickle charging, charging via a larger current right after it is discharged, when it is fully charged it will automatically switch to a smaller current to maintain the charge.

※Taiwan patent certificate design No. D162205

Item	Specification
Model Number	YLE-01E
Power Consumption	1.23W
Color Temperature	6478K
Battery Specifications	3.6V / 700mAh nickel-cadmium batteries
Total Luminous Flux	132Lm
Rated Voltage	AC110V / 60Hz
Rated Current	0.08A
Charge Time Required	24 hours
Lighting Time	Over 90 minutes
Dimensions	146 (L) × 128 (W) × 48 (D) mm

Stand Alone Voice Fire Alarm Illumination Device

First in the industry to adopt a common design, integrating two products into one, with a consistent external appearance. Attractive exterior design and light weight allows it to be easily installed and also usable within normal residents.

One feature in particular is the independent voice-type residential fire alarm, it is researched and designed specifically for the interior of general residential space to detect smoke from fire or smoldering. Smoke particles are key indicators in the first stages of a fire, when the detector senses a certain concentration of smoke, it will sound an alarm notifying everyone inside so that there would be enough time to deploy emergency measures and evacuation procedures, achieving the goal of a fire alarm by ensuring the safety of everyone.

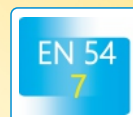
The other feature is emergency lighting in response to emergency lighting demands in residential areas, such as when power outages occur due to typhoons, earthquakes and or accidents. Emergency lighting can aid in the escape, rescue and fire fighting operations while also minimizing the possible damage to life or property can also minimize life and property losses during a power outage.

- Dimensions: 247 (L) × 128 (W) × 69 (D) mm

※Taiwan patent certificate design No. D164480



YDS-S01 / YDS-S01E Photoelectric Smoke Detector (2 Types)



YDS-S01



YDS-S01E

Features

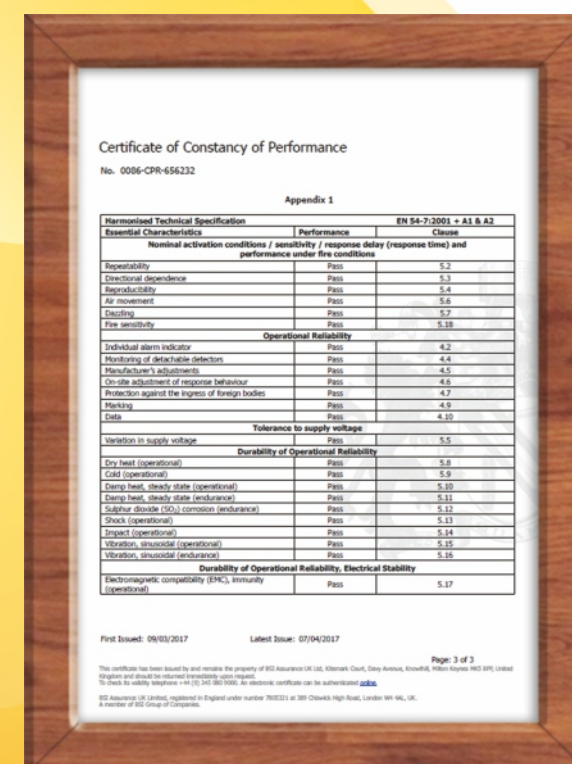
- ♦ Insect net is used to prevent dust, insects and other objects from entering and triggering a false alarm.
- ♦ Photoelectric smoke detector detects rapidly and stably.
- ♦ Our detector has passed the EN 54-7 standard. It has high sensitivity and low rates of false alarms so you can use it without worries.
- ♦ Ring-shaped warning light makes the alarm visible from all angles.
- ♦ We use a common base for detectors, which makes installation very convenient.
- ♦ Green monitoring indicator clearly shows when the detector is functioning normally.
- ♦ Easy to maintain and reuse.
- ♦ No polarity wiring to avoid wiring errors.
- ♦ Equipped with contacts for remote indication of light, relay, and normal use, making it suitable for system connections and control (optional).

Specifications

- ♦ Activating concentration:
YDS-S01: 15%. Within 30 seconds
YDS-S01E: 3.5%. Within 30 seconds
- ♦ Rated voltage: DC24V
- ♦ Rated current: 25mA
- ♦ Current monitor: Less than 35 μ A
- ♦ Relative humidity: 0 ~ 95%
- ♦ Ambient temperature: 0°C ~ +50°C
- ♦ Dimensions: 100.95×45.84(H) mm

Effective Monitoring Area

Height From Ground	2 Types
<4 m	150 square meters
> 4 m < 20 m	75 square meters



YDT-S01 Fixed Temperature Mechanical Fire Alarm Detector (1 Type)

Operating Principle

- When the ambient temperature rises to the preset temperature, the double-sided metal of the sensor will flip and conduct due to the difference in expansion coefficients. Once triggered, a signal is sent to the fire alarm control panel to complete the fire detection process.

Features

- The detector uses UL-certified fixed temperature sensor that has passed quality control and repeated testing for stable and reliable detection of fires.
- Dual light guide makes the alarm visible from all angles.
- A common base makes installation very convenient.
- Sealed design prevents dust and moisture from entering and affecting functionality.
- Suitable for places with high temperature or rapid changes in temperature, such as kitchens or restaurants

Specifications

- Rated temperature: 70°C
- Activating temperature: Rated temperature × 125%
Activation within 120 seconds
- Rate voltage/current: DC24V 25mA
- Relative humidity: 0 ~ 95%
- Ambient temperature: 0°C ~ +50°C
- Material: Flame-resistant plastic (UL94V-0 compliant)
- Dimensions: 100.92 × 41.3(H) mm



Effective Monitoring Area

Height From Ground	Building Structure	1 Type
< 4 m	Fireproof building materials	60 square meters
	General building materials	30 square meters
> 4 m < 8 m	Fireproof building materials	30 square meters
	General building materials	15 square meters



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.

Operating Voltage	12~30 V DC	Alarm Temp	Comply to EN54, CNS
Alarm Current @ 24V DC 750Ω	30 mA (Max.)	Ambient Temperature	-10°C ~ +55°C
Polarization	Non-polarized	Ambient Humidity	0~95%
Weight	115g	Color	White
Dimensions	101(Dia.) × 44(H) mm	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.

Operating Voltage	12~30 V DC	Alarm Temp	Comply to EN54, CNS
Alarm Current @ 24V DC 750Ω	30 mA (Max.)	Ambient Temperature	-10°C ~ +55°C
Polarization	Non-polarized	Ambient Humidity	0~95%
Weight	100g	Color	White
Dimensions	101(Dia.) × 47(H) mm	Material	Flame retardant plastic

YDT-S02 Fixed Temperature Electronic Fire Alarm Detector (1 Type)

Operating Principle

- When the ambient temperature rises rapidly to the fire alarm threshold, the heat-sensitive component inside can quickly detect it and notify the fire alarm control panel of the fire.

Features

- A highly sensitive heat-sensing component is used to effectively detect fires with good stability.
- Dual light guide makes the alarm visible from all angles.
- Sealed design prevents dust and moisture from entering and affecting functionality.
- A common base makes installation very convenient.
- Indicating lamp flashes red when standing by.
- Optional door light function available.

Specifications

- Rated temperature: 70°C
- Activating temperature: Rated temperature × 125%
Activation within 120 seconds.
- Rate voltage/current: DC24V 40mA
- Current monitor: 25 μA average
- Relative humidity: 0~95%
- Ambient temperature: 0°C ~ +50°C
- Material: Flame-resistant plastic (UL94V-0 compliant)
- Dimensions: 101.95 × 39.9(H) mm



Effective Monitoring Area

Height From Ground	Building Structure	1 Type
< 4 m	Fireproof building materials	60 square meters
	General building materials	30 square meters
> 4 m < 8 m	Fireproof building materials	30 square meters
	General building materials	15 square meters



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	12~30V DC			Ambient Humidity	0~95%
Alarm Current	30 mA (Max.)			Color	White
Standby Contact	24V DC / 20~30μA Below			Material	Flame retardant plastic
Polarization	Non-polarized	Polarized	Non-polarized	Dimensions	102(Dia.) × 46(H) mm
Weight	131g	131g	137g		

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 in common with other detectors made in this company for the facilitation of installation.
- ♦ Connections are non-polarized to avoid wiring mistakes.

Operating Voltage	12~30V DC	Alarm Temp	Comply to EN54, CNS
Alarm Current @ 24V DC 750Ω	30mA (Max.)	Ambient Temperature	-10°C~+55°C
Polarization	Non-polarized	Ambient Humidity	0~95%
Weight	156g	Color	White
Dimensions	102(Dia.)×45(H) mm	Material	Flame retardant plastic

YSD-02 Photoelectric Smoke Detector

- ♦ With 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 or exterior light.
- ♦ Ensures repeated use and by removing the cover can accomplish maintenance easily.
- ♦ Dual-colored LEDs display separately: easy to indentify the current status of the detector.
- ♦ Monitoring (Green LED flash at intervals of 15s) and Fire State (Red LED light on).
- ♦ Using the 0.5mm bore diameter net can stop flying insects and dust particles easily, as well as make the inflow of smoke to go smoothly.
- ♦ Connections are non-polarized to avoid wiring mistakes.

Operating Voltage	12~30V DC	Alarm Temp	Comply to EN54, CNS
Alarm Current @ 24V DC 750Ω	30mA (Max.)	Ambient Temperature	-10°C~+55°C
Standby Current	24V DC / 25 μA Below	Ambient Humidity	0~95%
Polarization	Non-polarized	Color	White
Weight	156g	Material	Flame retardant plastic
Dimensions	101(Dia.)×49(H) mm		

YFD-01 Fixed Temperature Heat Detector

- ♦ Stabilized performance, long-term durability least-malfunction are ensured by employing a bimetal mechanism.
- ♦ Self-restoring ensures the elements repeated use.
- ♦ The sensitive part is enclosed to prevent 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.

Operating Voltage	12~30V DC	Alarm Temp	Comply to EN54, CNS
Alarm Current @ 24V DC 750Ω	30mA (Max.)	Ambient Temperature	-10°C~+55°C
Polarization	Non-polarized	Ambient Humidity	0~95%
Fixed Temperature	70°C	Working Temperature	70°C×125% within 120s
Weight	106g	Color	White
Dimensions	102(Dia.)×46(H) mm	Material	Flame retardant plastic

YIL-01 Indicating Lamp

- ♦ Plug-in type of Termination for ease of installation.
- ♦ Highly visible.
- ♦ SMD LED gives high brightness while it has lower power consumption.

Operating Voltage	24V DC	Ambient Temperature	-10°C~+55°C
Alarm Current	12mA	Material	Flame retardant plastic
Weight	52g	Dimensions	Base of indicating lamp 92(Dia.)×58(H) mm

YSH-01 Combination Smoke and Heat Detection

- ♦ 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 electromagnetic wave; the P.C.B. is made to prevent from moisture.
- ♦ Connections are non-polarized to avoid wiring mistakes.

Operating Voltage	12~30V DC	Alarm Temp	Comply to EN54, CNS
Alarm Current @ 24V DC 750Ω	30mA (Max.)	Ambient Temperature	-10°C~+55°C
Standby Current	24V DC / 25 μA Below	Ambient Humidity	0~95%
Polarization	Non-polarized	Color	White
Weight	156g	Material	Flame retardant plastic
Working Smoke	15% within 30s	Working Temperature	55°C×125% within 300s
Dimensions	102(Dia.)×45(H) mm		

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.

Operating Voltage	12~30V DC	Alarm Temp	Comply to EN54, CNS
Alarm Current @ 24V DC 750Ω	30mA (Max.)	Ambient Temperature	-10°C~+55°C
Polarization	Non-polarized	Ambient Humidity	0~95%
Fixed Temperature	70°C	Working Temperature	ROR heat detector: Temperature 30°C Fixed heat detector: Temperature 70°C
Weight	132g	Alarm Activated Time	ROR heat detector within 30 sec Fixed heat detector within 120 sec
Dimensions	102(Dia.)×45(H) mm	Color	White
Material	Flame retardant plastic		

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 flame retardant plastic.
- ♦ Easy connection through terminators

Rated Voltage	24V DC	Color	Red	Weight	150g
Alarm Current	30mA	Dimensions	140(Dia.) mm	Material	Flame retardant plastic

YFB-B6 Fire Bell

- ♦ The way of motor-driven is taken at the low consumption of current, to reduce the load for power output from receiver terminal.
- ♦ 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.

Operating Voltage	24V DC	Power Source	Motor
Alarm Current	35mA	Weight	418g
Sound Output	90 dB/M and above	Dimensions	102(Dia.)×150(H) mm
Color	Red	Material	3.0mm Alloy Alu

YEP-2 Desktop / Wall-mount / Cabinet Broadcast Host



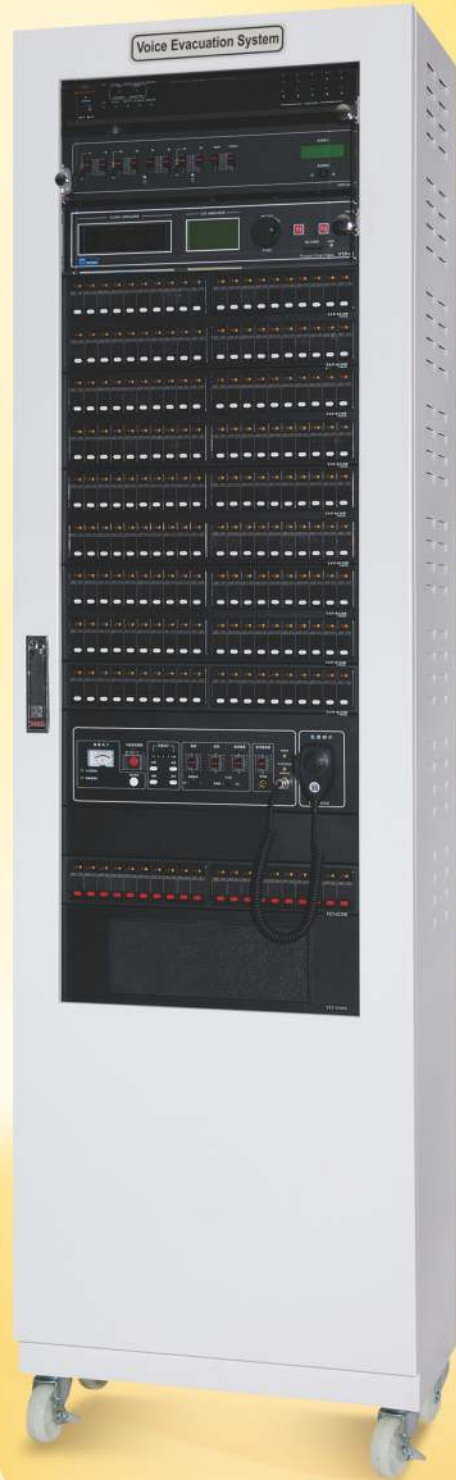
YEP-2
Wall-mount / All-zone



YEP-2
Wall-mount / 10L



YEP-2
Wall-mount / 30L



YEP-2
Cabinet Broadcast Host



YEP-2 Desktop / All-zone



YEP-2 Desktop / All-zone
+ AMP expand cabinet



YEP-2 Desktop / 10L



YEP-2 Desktop / 20L
+ AMP expand cabinet

Features

- Electronic speaker overload detection**
 Automatically detect overload or short circuit conditions in the speaker circuit and automatically isolate the faulty speaker when an error is detected to prevent the amplifier from damage. Once the fault has been cleared, a press of the reset button is all that's needed to restore output without needing to replace the fuse.
- Emergency voice operation panel**
 The panel has various control functions: Battery test, power supply voltage indicator, output volume indicator, manual fire alarm voice broadcast button, auxiliary microphone input, emergency microphone, monitoring speakers, DVD / Radio source volume and treble and bass control, as well as prelude and postlude melodies.
- Battery protection function**
 When using the backup battery, if the battery voltage drops below 13V, the battery discharge is stopped to extend battery life.
- Multiple languages**
 Built-in fire alarm voice broadcast (English). Floor-specific message or other special voice messages can be added by request.
- Expandable with complete line of accessories**
 Expandable with devices such as CD, DVD, MP3, radio, telephone broadcast interface, timer, high level sound source input interface, RS232 interface board, work shift bell player, remote microphone, and annunciator, as well as an emergency telephone.
- Blower panel**
 AMPs over 200W are equipped with a blower panel that begins to dissipate heat when the internal temperature reaches 48°C, extending the lifetime of the broadcast host.
- Cabinet-type broadcast host with highly expandable number of zones and output power**
 Expandable to a maximum of 590 zones and 10000W output power upon request.
- Cabinet-type broadcast host with cable tray for wiring from the front**
 Cables are quickly and conveniently accessible through the front door without the need to tear down walls.

Dimensions (Desktop)

Number of Zones	Watts	Height (mm)	Width (mm)	Depth (mm)
All-zone	100W~250W	100	360	265
All-zone	300W~600W	150	430	360
5L~10L	100W~250W	160	360	265
15L~20L	100W~250W	160	430	380
5L~20L	300W~600W	160	430	380
25L~40L	100W~600W	260	430	380
45L~60L	100W~600W	370	430	380
AMP expansion	400W~600W	150	430	360
All-zone	650W~1200W (With AMP expansion)	300	430	360
5L~20L	650W~1200W (With AMP expansion)	310	430	380
25L~40L	650W~1200W (With AMP expansion)	410	430	380
45L~60L	650W~1200W (With AMP expansion)	520	430	380

Dimensions (Standard Type & Wall Mount)

Number of Zones	Watts	Height (mm)	Width (mm)	Depth (mm)
Mini-all-zone	100W~150W	330	280	120
All-zone	100W~150W	400	300	120
All-zone	200W~250W	400	300	160
All-zone	300W~600W	450	480	180
5L~10L	100W~150W	400	300	120
5L~10L	200W~250W	400	300	160
15L	100W~250W	450	480	180
5L~15L	300W~600W	450	480	180
20L~25L	100W~600W	600	480	180
30L	100W~600W	700	480	180
35L~50L	100W~600W	850	480	180
55L~70L	100W~600W	1020	480	180
75L~90L	100W~600W	1195	480	180
95L~130L	100W~600W	1350	580	180

YEP-2 Digital Broadcasting System (Wall Mount)



Wall-mount / 10L

Wall-mount / 50L

Wall-mount / 5L

Description of Features

- Digital broadcasting system control panel for emergencies and business operations.
- Power requirements: DC24V, 580Ma.
- Input: Emergency / Daily integrated function microphone: -40dBV 600Ω unbalanced.
Timer (time notification): 0dBV 600Ω unbalanced.
Pre-service use amplifier: 0dBV 600Ω balanced.
Emergency audio input: 0dBV 600Ω unbalanced.
- Output: Emergency / Daily integrated service output: 0dBV 15Ω balanced.
- Output control: Individual, groups of 10 areas, the largest partition can be expanded up to 340L.
- Emergency alarm tone: Chinese audio alarm tone (Can add multi language audio according to on site requirements) (First signal tone, second signal tone, inducted alarm broadcast, fire alarm broadcast, non-fire broadcast).
- Built-in three-stage fire alarm module: Male voice / fire alarms; Female voice / early warning, false alarms, alarm lifted.
- Priority mode: Can select between level prioritization, first order prioritization, post order prioritization modes.
- Large fire alarm broadcast indicating lamp.
- Built-in hand-held emergency microphone with echo suppression.
- Can connect to up to eight LCD remote microphone (optional).
- Can connect to up to eight annunciator syncing (optional).
- Can write in pre-set contents on the computer into the EEPROM memory.
- Equipped with a communication port for connection to a Yun Yang Addressable Fire Alarm Control Panel relay communication system, avoiding the need for a separate alarm relay interface equipment, reducing wiring, labor, and cost.

YEP-2 Broadcasting System (Digital_Wall-mounted)

Number of Zones	Watts	Height (mm)	Width (mm)	Depth (mm)
10L~20L	100W~600W	600	480	180
30L	100W~600W	700	480	180
40L	100W~600W	850	480	180
50L~60L	100W~600W	1020	480	180
70L~80L	100W~600W	1195	480	180
90L~100L	100W~600W	1350	580	180

YEP-2 MP3/Radio LCD Integrated Amplifier

Desktop / All-zone
100~250W

Wall-mount / All-zone

Desktop / All-zone
300~600WDesktop / 20L
100~600W

Features

- Equipped with LCD displaying date and time. Displays lyrics and music at the same time.
- Emergency voice broadcast operating panel, electronic speaker overload detection, battery protection function.
- Built-in fire alarm voice broadcast (English). Floor-specific message or other special voice messages can be added by request.
- Equalizer function with 4 types of equalizer presets included.
- Built-in USB / SD / AUX / FM radio autoplay.
- Saves song and volume settings before power-off.
- Built-in IR remote control receiver to allow remote control of main unit.
- Casing made of steel plate with powder coating.

YEP-2 Broadcast Host (MP3/Radio_Wall-mounted)

Number of Zones	Watts	Height (mm)	Width (mm)	Depth (mm)
All-zone	100W~150W	400	300	130
All-zone	200W~250W	400	300	160
All-zone	300W~600W	450	480	180
5L	100W	400	300	130
5L	150W~250W	400	300	160
10L~20L	100W~250W	600	480	180
5L~20L	300W~600W	600	480	180
25L~30L	100W~600W	700	480	180
35L~40L	100W~600W	850	480	180
45L~60L	100W~600W	1020	480	180
65L~90L	100W~600W	1195	480	180

YEP-2 Broadcast Host (MP3/Radio_Desktop)

Number of Zones	Watts	Height (mm)	Width (mm)	Depth (mm)
All-zone	100W~250W	100	430	265
All-zone	300W~600W	150	460	360
5L~10L	100W~250W	160	360	265
15L~20L	100W~250W	160	430	380
5L~20L	300W~600W	160	430	380
25L~40L	100W~600W	260	430	380
45L~60L	100W~600W	380	430	430
AMP expansion	400W~600W	150	430	360
All-zone	650W~1200W (With AMP expansion)	300	460	360
5L~20L	650W~1200W (With AMP expansion)	310	430	380
25L~40L	650W~1200W (With AMP expansion)	410	430	380
45L~60L	650W~1200W (With AMP expansion)	530	430	430

Two-in-one / Three-in-one Integrated Series



Two-in-one Integration System

Wall-mount conventional fire alarm control panel and voice evacuation system



Three-in-one Integration System

Conventional fire alarm control panel, integrated voice evacuation system and telephone device



Three-in-one Integration System

Addressable fire alarm control panel, integrated voice evacuation system and telephone device

Special Features

- ◆ **Fully Functional**
The fire alarm control panel and broadcast host are designed specifically for the circuit and amplifier wattages required. The two systems can be installed in combination with products from various other series as needed, and each comes with its own operation panel. Both machines conform to Taiwanese regulations.
- ◆ **Save on Materials and Labor**
The interlocking relay lines have been set up between the control panel and the broadcast equipment during the production process, no extra relay wiring is required. The installation process at the site is simplified while wiring and labor costs are effectively reduced.
- ◆ **Space Saver**
The two-in-one machine saves space and is well-suited for tight spaces.
- ◆ **Fine Appearance**
The appearance has been made uniform, with a large circuit zone plate displaying the building, floor, circuit type and broadcast zone.
- ◆ **Environmentally Friendly and Energy Efficient**
With the control panel and broadcast host in a single body, it's energy efficient and environmentally friendly.

YEP-R3 Emergency/ Commercial Broadcast Series



Special Function Description

- ◆ Equipped with LCD display to allow reading of broadcast status and operation guidance. Voice guidance function guides operation with voice instructions during an emergency.
- ◆ Emergency alarm / all floor voice alarm (English voice alarm. Multiple languages can be added upon request).
- ◆ Built-in three-stage fire alarm voice broadcast module (first signal tone, second signal tone, voice warning, fire alarm voice message, non-fire voice messages, ending voice message).
- ◆ Interlocked fire alarm modes (Choose between interlocked and all-zone interlocked mode).
- ◆ Switch between regular broadcast/fire alarm broadcast by timer or manually.
- ◆ Output control: individual, 10-zone group, and all-zone. 10 zone circuits (expandable based on actual requirements).
- ◆ Priority settings (Priority Level 1 > Level 2 > Level 3 > Level 4 > Level 5 > Level 6; Priority type setting within each priority level: none, first-come-first-serve, interrupt priority, individual priority).
- ◆ Action record settings: Save, confirm, read, delete records as well as adjust time setting.
- ◆ Built-in English recording software for emergency broadcast system (Displays all fire alarm actions and up to 2000 fire alarm records).
- ◆ System parameters can be set and modified from the fire alarm control unit panel).
- ◆ Indicator lights: CPU fault status light, fire alarm activation indicator (flashing red), circuit interlocked indicator (always on red), speaker circuit failure (yellow flash).
- ◆ Rotary switch used for function selection and setting on the main unit
- ◆ Built-in four-tone prelude / postlude playback keys and microphone auxiliary input port.
- ◆ Large indicator light with the word "FIRE" / Horizontal output volume indicator LED / Manual switch for emergency fire alarm voice message and tone / Emergency reset / Fire alarm broadcast button/non-fire message broadcast button.
- ◆ All-zone broadcast button, broadcast reset button (for all-zone broadcast).
- ◆ Equipped with a communication port for connection to an Yun Yang
- ◆ Addressable Fire Alarm Control Panel relay communication system, avoiding the need for a separate alarm relay interface equipment, reducing wiring, labor, and cost.
- ◆ Connection to GUI PC via TCP / IP network.
- ◆ Up to eight digital LCD remote microphones can be connected.
- ◆ Up to eight broadcast annunciators can be connected.
- ◆ Action records can be printed by connecting an embedded dot matrix printer (optional).
- ◆ Can be used with emergency / business broadcast GUI system, with various selectable functions (optional).

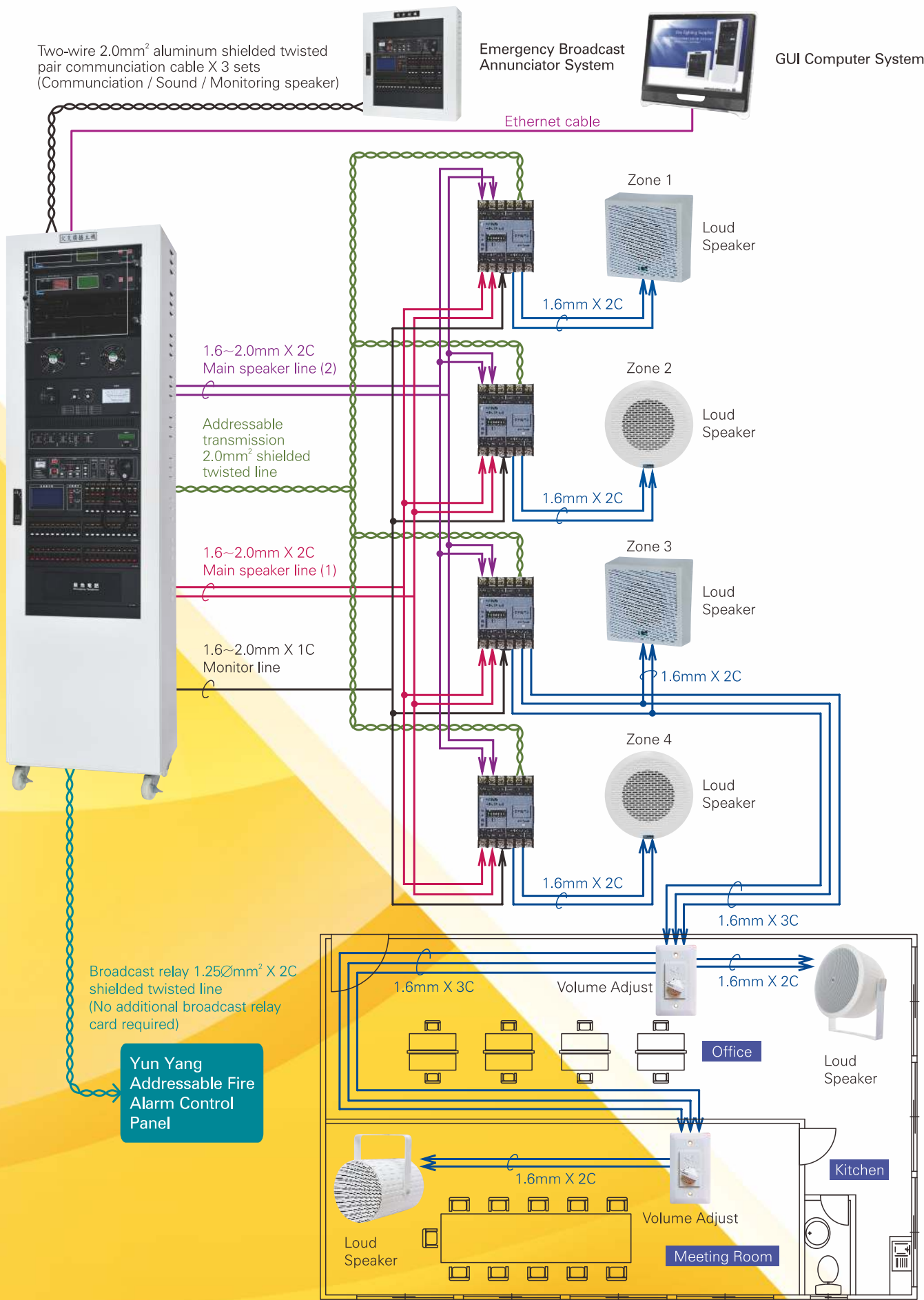
YEP-R5 Emergency/ Commercial Broadcast Series

Configuration of the YEP-R5 Addressable Emergency / Commercial Broadcast Series



Special Function Description

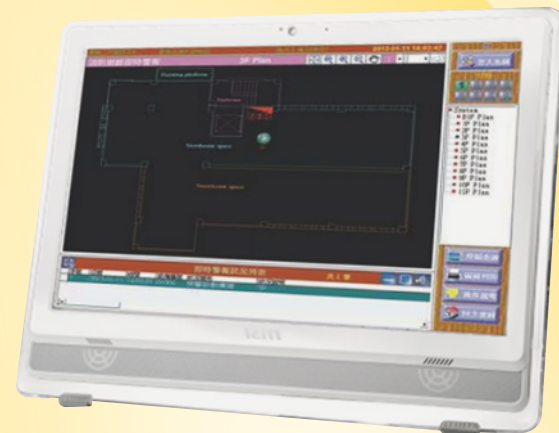
- ◆ Addressable broadcast system with up to 5 system communication modules. Each communication module can be connected to 68 speaker connector modules (for a total of 340 zone speaker connector modules).
- ◆ The controller is equipped with a speaker line detection function. When the AMP 0V or AMP 100V lines of main speaker line (1) is open and not connected to the speaker connector module, the main unit will automatically send a switching message to the speaker connector module, and switch the main speaker line signal to main speaker line (2).
- ◆ The speaker connector module has the following functions:
 - ※ Speaker connector module has speaker overload and short circuit detection functions. When the speaker overloads or short circuits, the speaker connector module will disconnect the main speaker line from the speaker and a fault indicator light will be turned on at both the speaker connector module and the circuit light board of the main unit. Once the fault has been cleared, all it takes is a press of the reset button to resume use without the inconvenience of a fuse change.
 - ※ Speaker connector module maximum load power: 300W
 - ※ Speaker connector module has three output contacts: emergency output, business output, and speaker com. The module can be directly connected to a volume regulator to adjust general purpose broadcast volume.
 - ※ Speaker connector module communication indicator:
 - ※ Communication light blinks green about once per second: Communication is normal.
 - ※ Communication light blinks green about twice per second: Communication line error or communication line is not connected correctly.
 - ※ Speaker connector module status indicator light:
 - Status indicator is red and always on: the speaker for the zone is broadcasting.
 - Status indicator is yellow and always on: the speaker for the zone is overloaded or the external lines have short circuited.
- ◆ Flexible wiring is adaptable to all types of locations, saving time and cable cost.



YUN
FIRE SAFETY YANG
EQUIPMENT

GUI Computer for the Digital Broadcasting System for Emergencies and Business Operations

- The GUI computer for the digital broadcasting system for emergencies and business operations can broadcast to any area via the graphical control system, and also apply pre-recorded audio as its broadcast source.
- Fitted with an electronic map display function: Displays broadcast activity on the map.
- Multi-language control interface, users can choose which language to use.
- Simple main panel settings: Table type circuit display window and setting controls by clicking.
- Each switch, circuit, fire alarm input, wiring panel node can be designated with Chinese names, allowing for convenient settings and inspections.
- Fitted with GUI systems broadcast functions: The GUI console includes the all-zone key, the group key, reset key, area partition key, emergency initiation key, fire alarm broadcast key, non-fire broadcast key.
- GUI systems are fitted with functions such main frame parameter setting editing, remote controlled broadcast main frame, event records, and event printing.
- The GUI system is equipped with a control procedure simulation function, allowing the user to rapidly familiarize with the various control functions, enhancing the user's speed to react.
- The GUI system can connect to over 8 broadcast control panels, controlling over 2720 circuits of total number of zones while being able to record over 20000 incidents for each broadcast control panel.
- The computer window is quipped with a one-click function setting for backup contact points, priority rights, interlocked systems and audio input / output.
- Data such as image files, status settings, interlocked settings can be edited by the PC and written into a memory card, where the GUI computer can retrieve the simplified process.
- The right side of the GUI system is the function control tool bar, the main window can display messages based on the type of warnings while a digital map pops up. The bottom of the window is the real-time alarm display bar.
- This equipment must be used with the YEP-R3 / YEP-R4 / YEP-R5 series broadcast host.



Emergency Broadcast Annunciator System

- To be used with YEP-2_ Digital type / YEP-R1 / YEP-R3 / YEP-R4 / YEP-R5 series emergency broadcast systems. Can display / control / set settings / monitor in sync where it functions just as the voice evacuation system's main panel.
- The model of the annunciator system used depends on the model number of the main emergency broadcast system installed.



Remote Microphone Series

YUN YANG
EQUIPMENT FIRE SAFETY

RM-01 All-zone Remote Microphone

(Compatible with Various Product Series)

- Group call function
- Capacitive gooseneck microphone for high sensitivity
- Preamplifier with compression limit function
- Broadcast volume and prelude / postlude can be adjusted individually
- Power requirements DC24V 150mA
- Output: 0~+6dBV (balanced)
- Output impedance: 600Ω
- Maximum connection distance from control panel: 1 km
- Wiring: 1×2-core wire with isolation and 2×1.6mm single core wires



RM-340 LCD Remote Microphone

(For Use with Digital YEP-2.R1.R3.R4)

- English LCD display of system circuit and group configuration
- Controls up to 340 zones / 60 groups
- Contains up/down 4 ring electronic music ring tone with adjustable volume
- Microphone ring light turns on automatically when broadcasting
- Auxiliary input for playing background music
- Automatically determines status. Comes with line busy indicator, fire indicator, and fault indicator
- Power requirements: DC24V, 150mA
- Output: 0dBV 600Ω, balanced
- Auxiliary input: -22dBV, 47KΩ, unbalanced
- Dimensions: 165(L)×225(W)×90(H) mm



RM-50 RM-120 Digital LCD Remote Microphone

(for Use with Standard YEP-2)

- English LCD with direct configuration of circuits and groups
- Two-wire digital transmission with up to 8 units connected
- Capable of controlling 50 zones / groups;
Capable of controlling 120 zones / groups
- Microphone input with compression function (to prevent distortion)
- Four tone prelude and postlude (FM source)
- Auxiliary input to supply zone background music
- Power requirements: DC24V, 150mA
- Output: Balanced 0dB 600Ω
- Auxiliary input: -22dBV, 47KΩ, unbalanced
- Wiring: Two pairs of 1.25mm² cross section 2-core shielded twisted line with isolating copper mesh for lengths under 0.8km
- Line impedance below 8Ω
- Largest distance 0.8km
- Dimensions: 165(L)×225(W)×90(H) mm



RM-34C Color Touch Type Remote Microphone

(For Use with R3.R4 Only)

- 10.4-inch LCD full color touchscreen.
- Remotely activate and select functions on the broadcast host including groups, all-zone activation, reset, individual zones, fire alarm manual test switch, fire alarm state selection on host and non-fire false alarm states from touchscreen.
- Status message display and simultaneous display of fire and fault messages. Zone names can be edited and displayed on the touchscreen.
- Network function for connecting to broadcast host via fixed IP, DHCP or PPPoE.
- Output: 0 dBV 600Ω, unbalanced
- Contact: Zero > non-voltage contact × 1 set (contact capacity 1A)
- Power: DC24V, 980Ma
- Dimensions: 340(W)×105.6(H)×249(D) mm



Power Amplifier



Without LCD (4U)



With LCD (4U)

Special Features

- Power requirements: AC 110V 50Hz / 60Hz DC 26.4V.
- Input: (1) Equipped with an emergency priority dual input control point.
 - 2 sets of input source (parallel) 0dBV 100K Ω (embedded fine-tune switch), balanced, phone jack.
 - 2 sets of prioritized input (parallel) 0dBV 100K Ω (embedded fine-tuning switch), balanced, phone jack.
 - Comes with remote activation contact.
- Output: (1) Equipped with feedback suppression function, to prevent over large power outputs, automatically suppressing the waveform from distortion.
 - With constant voltage control output, prevents over large output from frying the speakers.
- Distortion rate: Less than 1% (rated output 1KHZ).
- Frequency response: 40HZ-16kHz (1/3 rated output power)
- Display: (1) 5 \varnothing LED indicators \times 3, power indicator (green), malfunction indicator (yellow), priority input (red)
 - Acoustic pressure indicator (VU table).
- Protection: (1) Power transformer will automatically disconnect when it is abnormally overheating (will automatically recover when temperature lowers).
 - Large cooling fan 90mm \times 90mm; Automatically activates when temperature reaches 38°C.
 - Amplifier malfunction detection circuit module. Automatically detects whether there is an open circuit between the speaker and the amplifier with a 20KHz test signal.
If the circuit is open, power to the amplifier is disconnected and automatically activates the internal relay contact output terminal (Selectable Functions).
- Has obtained the Certificate of the Registration of Product Certification from the Ministry of Economic Affairs Bureau of Standards, Metrology and Inspection based on standards CNS13439 (electromagnetic compatibility test) and CNS14408 (electrical safety standard) along with the relevant certificate.

Specifications

Item	Specifications			
Model (with LCD)	YEPA-0424	YEPA-0436	YEPA-0440	YEPA-0450
Model (without LCD)	YPA-0424	YPA-0436	YPA-0440	YPA-0450
Output Power	240W	360W	400W	500W
Output Impedance	42 Ω (100V) 10 Ω (50V)	27.8 Ω (100V) 6.9 Ω (50V)	25 Ω (100V) 6.25 Ω (50V)	20 Ω (100V) 5 Ω (50V)
AC Glass Tube Fuse	30mm 8A \times 1	30mm 10A \times 1	30mm 10A \times 1	30mm 12A \times 1
DC Ceramic Fuses	38mm 12A \times 1	38mm 16A \times 1	38mm 25A \times 1	38mm 32A \times 1
SP Glass Tube Fuse	30mm 3A \times 1	30mm 4A \times 1	30mm 4A \times 1	30mm 5A \times 1
Dimensions W \times H \times D (mm)	480 \times 178 \times 260	480 \times 178 \times 260	480 \times 178 \times 260	480 \times 178 \times 290

The LCD power amplifier is equipped with a (122 \times 32) LCD liquid crystal display, able to display the priority input and AMP abnormal state.

Digital Power Amplifier (2U)



Special Features

- Small size, light weight, can greatly reduce installation space.
- High load efficiency, stable power output, with power saving and environmental features.
- Complete protection function, can detect output short circuit, over loading, overvoltage, over heating and other states. The power supply input terminal is fitted with lower voltage, over voltage protection, and is able to immediately shut down output to avoid any damage.
- AC input voltage of 100-240V can be used, build in PFC circuits allow power supply utilization efficiency of up to 80-90% of the corresponding standard.
- Built in intricate feedback circuit, can ensure low distortion and complete re-presentation of the audio.
- Each audio channel has two sets of audio source input nodes, can be used in series connection between equipment.

Item	Specifications			
Model Number	DPA-0425A	DPA-0436A	DPA-0440A	DPA-0450A
Product Name	Digital 250W Power Amplifier	Digital 360W Power Amplifier	Digital 400W Power Amplifier	Digital 500W Power Amplifier
Output Power (RMS)	250W (MAX)	360W (MAX)	400W (MAX)	500W (MAX)
Power Consumption	320W (MAX)	450W (MAX)	500W (MAX)	610W (MAX)
Output Impedance	40 Ω / 100V	27.7 Ω / 100V	25 Ω / 100V	20 Ω / 100V
Power Requirements	AC 100 ~ 240V 50/60Hz			
Input Impedance	6.4KΩ / unbalanced			
Input Sensitivity	1V RMS / 6.4KΩ, H3.81 connection terminal			
S / N Ratio	90dB			
Distortion Rate	0.1% 1/3 rated load			
Frequency Response	60Hz~14KHz, -1dB : 20Hz -5dB, 20KHz -2dB			
Indicating Lamps	POWER, PEAK, PROTECT, OUTPUT			
Protection	Output short circuit protection, overload protection, overvoltage protection, overheating protection		Output short circuit protection, overload protection, overvoltage protection, overheat protection, low voltage protection	
Dimensions	479(W)×87.9(H)×200(D) mm			

Digital Power Amplifier (EMC) (3U)



Special Features

- Small size, light weight, can greatly reduce installation space.
- High load efficiency, stable power output, with power saving and environmental features.
- Complete protection function, can detect output short circuit, over loading, over voltage, over heating and other states. The power supply input terminal is fitted with lower voltage, over voltage protection, and is able to immediately shut down output to avoid any damage.
- AC input voltage of 100-240V can be used, build in PFC circuits allow power supply utilization efficiency of up to 80-90% of the corresponding standard.
- Built in intricate feedback circuit, can ensure low distortion and complete re-presentation of the audio.
- Each audio channel has two sets of audio source input nodes, can be used in series connection between equipment.
- Received Certificate of the Registration of Product Certification by the Ministry of Economic Affairs, Bureau of Standards, Metrology and Inspection based on standards: CNS13439 (Electromagnetic Compatibility Test) and CNS14408 (Electrical Safety Standard) Certificates of accreditation to be attached.

Item	Specifications			
Model Number	DPA-04200A	DPA-04150A	DPA-04100A	DPA-0450A
Product Name	Digital Power Amplifier (500W \times 4 units)	Digital Power Amplifier (500W \times 3 units)	Digital Power Amplifier (500W \times 2 units)	Digital Power Amplifier (500W \times 1 units)
Output Power (RMS)	2000W (MAX)	1500W (MAX)	1000W (MAX)	500W (MAX)
Power Consumption	2480W (MAX)	1860W (MAX)	1240W (MAX)	620W (MAX)
Output Impedance	20 Ω / 100V			
Power Requirements	AC 100 ~ 240V 50 / 60Hz			
Input Impedance	6.4K Ω / unbalanced			
Input Sensitivity	1V RMS / 6.4K Ω , H3.81 connection terminal			
S/N Ratio	90dB			
Distortion Rate	0.1% 1/3 rated load			
Frequency Response	60Hz~14KHz, -1dB : 20Hz -5dB, 20KHz -2dB			
Indicating Lamps	POWER, PEAK, PROTECT, OUTPUT			
Protection	Output short circuit protection, overload protection, overvoltage protection, low voltage protection, overheat protection			
Dimensions	479(W) \times 132.4(H) \times 390(D) mm			

Voice Evacuation Equipment Series

YUN YANG
FIRE SAFETY
EQUIPMENT

YJP-0301 Integrated Junction Panel (4U)

- ◆ To be used with the Voice Evacuation system's LCD power amplifier.
- ◆ Concentrates all input / output use switchboard panels within and outside of the machine.
- ◆ You can also conduct wire configuration by removing the front panel and then attaching this machine to above the cabinet.
- ◆ Fire alarm activation connection: Each partition initiates 10 sets of connection nodes and corresponding warning signals; Fire confirmation signal node.
- ◆ 10 sets of speaker output circuits (two or three-wire).
- ◆ Speaker circuit: 10 circuits each for R (emergency), N (normal), and C (common).
- ◆ Circuit short circuit protection: Fitted with 10 sets of manually resettable short circuit detection circuits.
- ◆ Input from raised fire alarm: EL (From first fire report) 1 to 10, EF (confirmation), EC (common ground).
- ◆ Fitted with 17 backup control terminals (Settings: Service RM, Telephone broadcast, BGM).
- ◆ Fitted with emergency remote control terminals, remote service control terminals, power connection terminals, external control output / input terminals.
- ◆ Dimensions: 480(W)×178(H)×190(D) mm



YAD-0305 DC Power Supply (3U)

- ◆ To be used with a voice evacuation system master
- ◆ Input power: AC110V, 50 / 60Hz
- ◆ Output voltage: DC24V
- ◆ Fitted with a DC voltage meter
- ◆ Fitted with a DC emergency power and charging indicating lamp
- ◆ Fitted with a battery abnormality indicating lamp
- ◆ 1 set of built-in DC24V / 7AH storage battery
- ◆ Dimensions: 480(W)×133(H)×260(D) mm



YDS-0402 Emergency Power Supply (3U)



- ◆ Input power: AC 110V, 50 / 60Hz
- ◆ Output power: DC24V
- ◆ Fitted with a DC voltage meter
- ◆ Fitted with 2 sets of DC emergency power supply and charging indicating lamp
- ◆ Fitted with two sets of battery abnormality indicating lamps
- ◆ 2 sets of built-in DC24V / 7AH storage battery
- ◆ Can automatically charge the storage battery, the backup storage battery can supply all machine unites for more than 10 minutes of power
- ◆ Dimensions: 480(W)×133(H)×260(D) mm

YPD-0310 Power Distribution Controller (3U)



- ◆ Power requirements: AC 110V, 50 / 60Hz
- ◆ Maximum current capacity: 60A
- ◆ Fitted with a remote power supply control function
- ◆ Output power: 8 interlocked AC110V output socket
5 non-interlocked AC110V output socket
- ◆ Dimensions: 480(W)×133(H)×220(D) mm

YEP-0210B YEP-0220B 10 / 20 Circuit Expansion Control Panel (2U)

- ◆ Can extend up to 10 / 20 speaker control circuits.
- ◆ Floor interlocked fire response can be designated by the panel keys.
- ◆ Fitted with service partition selection function.
- ◆ Each set of speaker circuit are fitted with are dual-color LED lights, so that the circuit interlocks and other corresponding information (such as malfunctions) can be displayed.
- ◆ Each set of speaker circuit panels are left with a space to label the speaker circuit's name or code.
- ◆ Can be used with the host to save memory without power for more than 10 years, via the EEPROM method.
- ◆ Dimensions: 442(W)×89(H)×35(D) mm



YPS-0210 LCD Power Sequence Controller (3U)



- ◆ Power: AC110V 50 / 60Hz 60Amax
- ◆ Output power: 5 sets of non-interlocked three-pronged AC plug
10 sets of sequence interlocked initiated three-pronged AC plug
- ◆ Fitted with an AC voltmeter and an AC ammeter
- ◆ Fitted with a sequential initiation time adjustment knob and dot matrix English / graphic LCD display
- ◆ Dimensions: 430(W)×133(H)×220(D) mm

YIM-0208 LCD Matrix Processor 8×8 (2U)



- ◆ English LCD control setting environment, simple to designate settings and use
- ◆ One-unit can operate 8×8 matrix, while being able to expand to up a maximum of 4 units for a 16×16 matrix
- ◆ Fitted with 16 sets of programmable initiation points, 8 sets of programmable output contacts
- ◆ Fitted with a set of hi-lite matrix motion model display
- ◆ Power: AC110V, 220V 50 / 60HZ or DC24V
- ◆ Dimensions: 435(W)×89(H)×200(D) mm

YJP-0310B YJP-0320B 10 / 20 Circuit Extension Wire Configuration Panel (4U)

- ◆ Can be used with the 10 / 20 circuit expansion control panel.
- ◆ Can expand up to 10 / 20 speaker output circuits.
- ◆ Fitted with 10 / 20 circuit fire alarm control input.
- ◆ Speaker circuit: 10 / 20 sets of terminals, each with its own RNC contacts.
- ◆ Circuit short circuit protection: Fitted with 10 / 20 sets of manually resettable short circuit detection circuits.
- ◆ Receiver terminal dimensions: 480(W)×178(H)×190(D) mm



Voice Evacuation Equipment Series

YCN-0112 Digital Voice Synthesizer Player (1U) YML-0108 Melody Player (1U)



- ◆ Applicable to fire or disaster emergency broadcasts, regular broadcasts, or even speakers of vehicles and others
- ◆ Digital processing and EEPROM memory, no need for tapes
- ◆ Vocal frequency range: 20Hz~20KHz
- ◆ Distortion rate of less than 1%
- ◆ Output line level: $\pm 6\text{dBV}$, 8 Ω or 0dBV, 600 Ω
- ◆ Sampling rate: 8KHz / 11KHz / 16KHz / 22KHz / 24KHz / 32KHz / 44.1KHz
- ◆ Used with memory card (SD card)
- ◆ Dimensions: 480(W) \times 42(H) \times 162(D) mm



- ◆ Can play pre-recorded contents within the memory card via the melody generator
- ◆ Power requirements AC110V 50 / 60Hz, DC24V 0.3A
- ◆ Output 0dBV 600 Ω unbalanced
- ◆ Control circuit: 8 circuits (dry contact)
- ◆ Control contact during playback: 1 circuit
- ◆ Used with memory card (SD card)
- ◆ Dimensions: 480(W) \times 42(H) \times 162(D) mm

YCP-0108 Digital Voice Controller (1U)



- ◆ Can be used with a voice synthesizer player, to be used as an option for pre-recorded content playback
- ◆ Fitted with voice content marking and LED indicating lamp action instructions
- ◆ Straightforward control keys, simple, convenient and does not require training
- ◆ Fitted with recorded content protection functions to prevent improper operation from deleting recorded audio
- ◆ Dimensions: 480(W) \times 42(H) \times 162(D) mm

YTS-0108 Telephone Broadcast Interface (1U)



- ◆ Can be used with a digital addressable broadcast system to broadcast at multiple selected areas
- ◆ Includes a DTMF-type telephone interface, which can directly call or initiate telephone broadcasting functions via the switchboard
- ◆ Fitted with 8 sets of relay, which can then be coupled with a digital broadcast host to control 8 varying areas and its corresponding settings to conduct telephone broadcasts
- ◆ The panel has an action indicating lamp, which turns on when the telephone is in use
- ◆ Output impedance: 600 Ω Input impedance: 20K Ω
- ◆ Maximum output / power level: +10dBm
- ◆ Frequency response: 80~15KHz ($\pm 3\text{dB}$)
- ◆ Power: AC110V, 220V 50 / 60HZ or DC24V
- ◆ Dimensions: 435(W) \times 44.5(H) \times 200(D) mm

YMP-0312 12 Circuit Monitoring Panel (3U)



- ◆ Can monitor up to 12 different sets of amplifiers and or speaker output circuit.
- ◆ Output indicating lamp: 12 segment VU scale -42 to $+8\text{dB}$ (adjustable)
- ◆ Power supply used: AC110V / DC24V
- ◆ Large pointer type VU watt meter head, fitted with lights so that it is easy to read and adjust the output level.
- ◆ Includes a four inch 5W monitoring speaker, equipped with an anti-feedback function.
- ◆ Includes a monitor volume control knob, allowing the monitoring volume to be adjusted any time.
- ◆ Dimensions: 445(W) \times 133(H) \times 65(D) mm

YDP-0401 Blower Panel (3U)



- ◆ Power: DC24V
- ◆ Can cool the cabinet temperature.
- ◆ Activates when the temperature inside the cabinet is higher than 45°C and stops at 38°C (temperature is adjustable).
- ◆ Dimensions: 445(W) \times 133(H) \times 35(D) mm

YEPP-0408 LCD Pre-mixing Amplifier (2U)



- ◆ Equipped with Chinese language LCD.
- ◆ Power requirements: AC110V 50 / 60Hz or DC24V
- ◆ 3 sets of group input (Total of 8 inputs, each with an independent level control).
- ◆ 2 sets of microphone inputs and 2 sets of auxiliary inputs.
- ◆ 2 sets of linear output, 1 set of audio recording output.
- ◆ Group input has a built in priority function, group input priority $1>2>3$.
- ◆ Prioritized control contacts and remotely initiated contact.
- ◆ High and low audio quality control ($\pm 10\text{dB}$ at 100Hz and 10kHz).
- ◆ Frequency response: 20~20,000Hz $\pm 1\text{dB}$
- ◆ S / N: 60dB or higher
- ◆ Distortion rate: 1%
- ◆ Dimensions: 435(W) \times 89(H) \times 200(D) mm
- ◆ Has obtained the Certificate of the Registration of Product Certification from the Ministry of Economic Affairs Bureau of Standards, Metrology and Inspection based on standards CNS13439 (electromagnetic compatibility test) and CNS14408 (electrical safety standard) along with the relevant certificate.

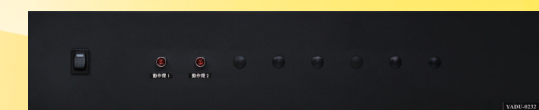
YTP-0299 LCD Digital Timer Music Clock (2U)



- ◆ Fitted with GUI LCD with a menu graphic interface in Chinese.
- ◆ Built-in SD card record and playback module, customers can choose to record suitable music based on their own requirements.
- ◆ Provides Westminster music bells, 2 sets of regular audio output which is capable of an output level adjustment of by $-10\sim 4\text{dBV}$.
- ◆ Can designate varying work options for seven days, a maximum of 128 settings can be designated for a single days of work, another 8 sets of special procedures can also be designated.
- ◆ Fitted with an automatic time-tick synchronization function, can be synchronized with a time recorder or other time logging devices.
- ◆ Power requirements: AC110V, 220V 50HZ / 60HZ or DC24V
- ◆ Dimensions: 435(W) \times 89(H) \times 200(D) mm

YADU-0232

Amplifier Fault Indicating Lamp Panel (2U)



- ◆ Equipped with a malfunction / replacement indicating lamp
- ◆ Can plan up to eight amplifier malfunction detectors to correlate with one amplifier's backup function
- ◆ When the amplifier malfunctions, the backup driver will automatically replace the current work and ensure that the broadcast system is operating normally.
- ◆ Uses AC110V 60HZ or DC24V voltages
- ◆ Input: Connected power amplifier output (high impedance line 100V)
- ◆ Malfunction detection display: Power amplifier malfunction detector indicating lamp: On
- ◆ Malfunction detection output: Relay contacts closed, pressure resistant: 30VDC, current capacity: 1A
- ◆ Dimensions: 480(W) \times 89(H) \times 195(D) mm

YADU-0324

Amplifier Fault Indicating Panel (3U)



- ◆ Fitted with 2 sets of malfunction/replace indicating lamps
- ◆ Fitted with 2 sets of backup amplifier monitor functions and 1 speaker; One Acoustic pressure meter; One volume adjustment knob
- ◆ Can plan for 8 amplifier malfunction detectors to correspond with one backup amplifier
- ◆ Or for 4 amplifier detectors corresponding to one backup amplifier
- ◆ When the amplifier malfunctions, the backup driver will automatically replace the current work and ensure that the broadcast system is operating normally.
- ◆ Uses AC110V 60HZ or DC24V voltages
- ◆ Input: Connected power amplifier output (high impedance line 100V)
- ◆ Malfunction detection display: Power amplifier malfunction detector indicating lamp: On
- ◆ Malfunction detection output: Relay contacts closed, pressure resistant: 30VDC, current capacity: 1A
- ◆ Dimensions: 480(W) \times 133(H) \times 200(D) mm

Modularized Pre-mixing Amplifier Machine (4U)

1 YCR-0410 Modularized Pre-mixing Amplifier Machine Chassis

- Can be coupled with YM series modules to form a multi-functioning pre-mixing amplifier
- The front panel can accommodate up to 10 modules
- Can be coupled with an interface module (YM-01IF) to expand multiple sets of chassis in series
- Module has a common bus design, allowing to be inserted at any location
- Dimensions: 484(W) × 156(H) × 163(D) mm

2 YM-01PS Power Supply Module

- Provided for YCR-0410 series modules
- Includes short circuit overload protection and voltage regulator circuits
- Output voltage: DC 24V
- Output current: 1A
- Input voltage: AC 110V
- Fuse: 20mm 1A
- Dimensions: 43(W) × 147(H) × 137(D) mm

3 YM-01LA Linear Amplification Module

- Uses a slider bar for volume control
- Combines all input module signals and outputs the audio after mixing
- Can conduct multiple outputs in accordance with the corresponding module's priority control
- Fitted with bass and treble audio quality control, and provides strip type LED signal output display, displaying the output level status
- Can drive multiple power amplifiers
- Power requirements: DC 24V / 85mA
- Input sensitivity: -20dBV
- Output level: 0dBV
- Output impedance: 600Ω
- Frequency response: 20Hz~20KHz ± 1dB
- Distortion rate: Less than 0.1% (1KHz)
- Noise level: -102dB or less (20Hz~20KHz)
- Tone control: Bass (100Hz) ± 10dB, treble (10KHz) ± 10dB
- Output: TRS JACK × 1
- Dimensions: 43(W) × 147(H) × 117(D) mm

6 YM-01BD Ground Leak Detection Module

- Each detection module can monitor six sets of speakers and can be expanded further according to requirements
- Connects to each speaker circuits to detect whether there is any ground leaks
- Each set of detection circuit is equipped with LED indicating lamps to show the current status and provide relay contact point terminals
- Power requirements: DC 24V / 60mA
- Input: Each module board has 6 circuit monitor inputs
- Output: 1 set of relay dry contact (3A 30V)
- Switch: 6 sets of test keys
- Message display: Ground leak indication LED × 6 (RED)
- Ground impedance: Less than 50KΩ
- Dimensions: 43(W) × 147(H) × 145(D) mm

9 YM-AIP Music Source Input Module

- Allows CD, cassette, radio and other types of audio input
- Needs to be used with the music source selection module
- Input method: R, L stereo mixed input
- Input sensitivity and impedance: 20dBV / 10KΩ
- Frequency response: 20~20KHz ± 0.5dB



1 2 3 4 5 6 7 8 9 10

4 YM-01LI Linear / Auxiliary Input Module

- Balanced input, sensitivity is adjustable between 0dBV or -20dBV
- Has a priority setting function
- Static level control × 1
- Slider bar volume control
- "In use" LED indicating lamp × 1
- Input impedance 100KΩ (balanced / unbalanced) can be adjusted
- Output impedance: 10KΩ
- Distortion rate: Less than 0.1% (1000Hz sine wave)
- Frequency response: 20Hz~20KHz ± 1dB
- Noise level: (20Hz~20KHz) -106dB
- Sound filter (Decays 12dB at 100Hz)
- Input port: TRS JACK × 1
- Power requirements: DC 24V / 22mA
- Dimensions: 43(W) × 147(H) × 159(D) mm

7 YM-01EQ Music Interval Equalization Module

- Semi-fixed level control, so that any default equalization settings cannot be arbitrarily changed
- Busy line control will activate when the microphone is in a broadcast
- Fitted with a LED indicating lamp to display whether the equalizer is on or off (IN / OFF)
- Fitted with 7 sets of 1/1 music interval equalizer, able to suppress feedback, adjust the indoor equalization and acoustic quality control
- Equalizer center frequency 125Hz / 250Hz / 500Hz / 1KHz / 2KHz / 4KHz / 8KHz adjustable range ± 12dB
- Power requirements: DC 24V / 55mA
- Input sensitivity: -20dBV
- Output level: -20dBV
- Frequency response: 20Hz~20KHz ± 1dB
- Distortion rate: Less than 0.1% (1KHz)
- Dimensions: 43(W) × 147(H) × 117(D) mm

5 YM-01MI Microphone Input Module

- Can choose a balanced type MIC input level or linear input level
- MIC input is fitted with a compressor function to prevent distortion
- Fitted with prioritization setting functions
- Equipped with "In use" LED indicating lamp
- Slide bar volume control × 1
- "In use" LED indicating lamp × 1
- Input sensitivity / impedance: -60dBV / 600Ω 0dBV / 100KΩ
- Output level / impedance: -20dBV 10KΩ
- Frequency response: 20~20KHz ± 1dB
- Distortion rate: Less than 0.1% (1000Hz sine wave)
- Noise level (20Hz~20KHz / 600Ω): -126dBV
- Audio filter: (Decays 12dB at 100Hz)
- Input port: TRS JACK × 1
- Power requirements: DC 24V / 40mA
- Dimensions: 43(W) × 147(H) × 117(D) mm

8 YM-01AS Music Source Selection Module

- Provides CD, cassette, radio and other audio input options
- Must be used with YM-AIP module
- Number of input sets: 4 sets
- Number of output sets: 1 set
- Selection switch: 5 sets (select button × 4 / reset button × 1)
- Output level control: 1 set
- Static level control: 1 set
- Power requirements: DC 24V / 20mA
- Dimensions: 43(W) × 147(H) × 117(D) mm

10 YM-01IF Interface Module

- In accordance with system requirements, if the chassis module slot is full then interface modules should be applied for connection in series.
- Can expand up to two module chassis or more.
- Dimensions: 43(W) × 147(H) × 35(D) mm

Teaching Amplifier

YAS-0220 Digital Addressable Broadcast Host (2U)

YAM-500 Decoder Control Unit



- Fitted with a set of regional LED broadcast display screen, which can display up to 100 sets of region code.
- Fitted with 1 music area control, specifically designed for default music area settings.
- 8 sets of external control inputs, which can have their functions and priority levels programmed and defined. They are fitted with individual special region control buttons in which users can input the desired broadcast group or individual area.
- 4 sets of system status output control contacts.
- Can be connected to the DTMF telephone broadcast interface to activate and broadcast to any extension or any designated extension's sub branch / group and or all.
- Power: AC110V, 220V 50 / 60HZ or DC24V
- Dimensions: 435(W) × 89(H) × 220(D) mm

- Uses digital transmission, wiring can be connected to up to 1 km.
- Relay output power up to 500W.
- Uses binary addressing coding thumb wheel switch to designate the partition code, simple to operate and can be modified easily.
- Fitted with a communication indicating lamp, which will activate when the decoder is in action.
- Power: DC24V
- Dimensions: 60(W) × 80(L) × 30(H) mm

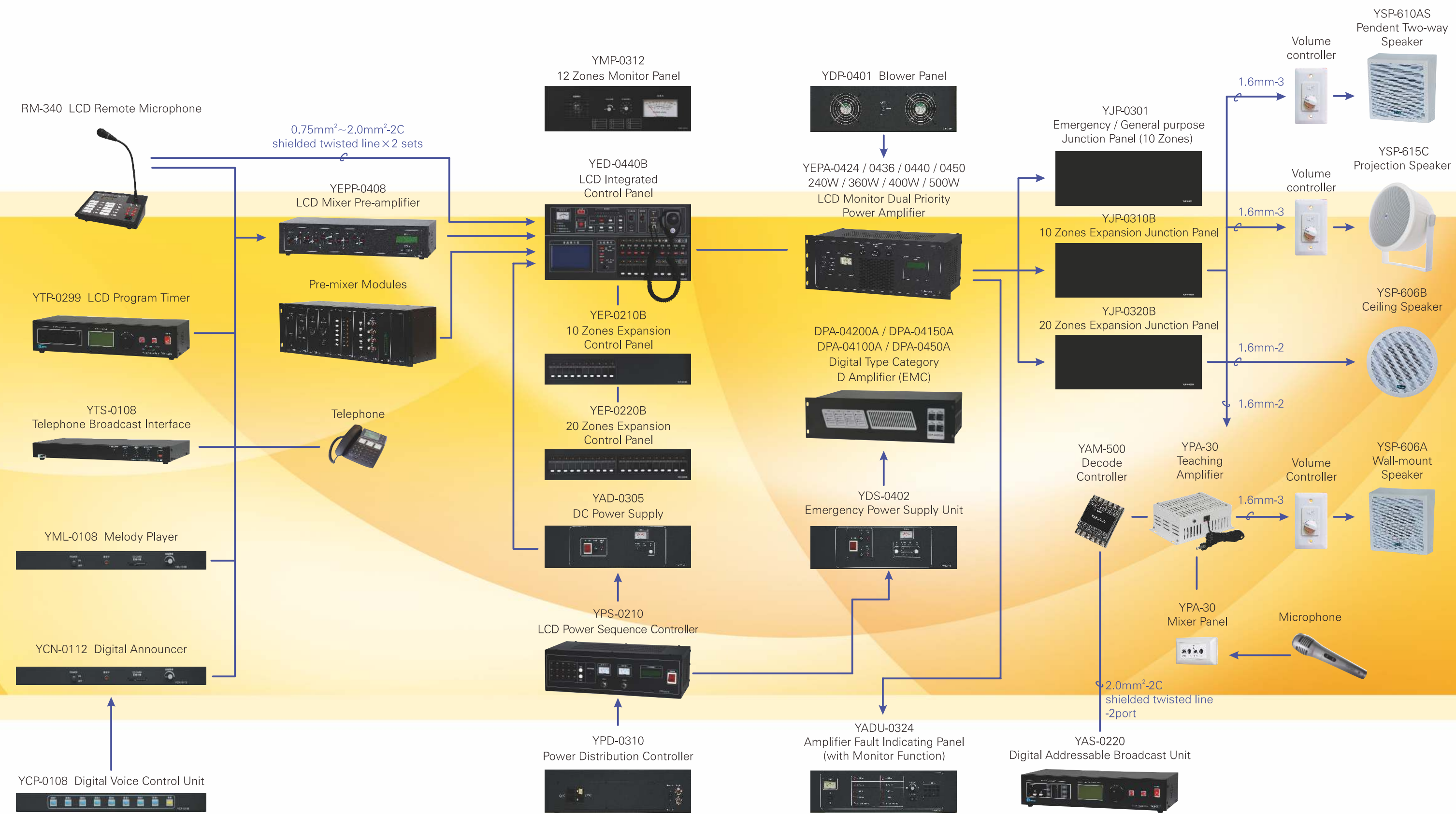
YPA-30 Teaching Amplifier Set (Front and Rear Separated Type)

- Teaching use amplifier output power: 30W
- Frequency response: 20Hz~20KHz
- Power supply used: AC110V
- Has an integrated function (for emergency / daily use) along with a built-in priority selection function,
- Can use the same speaker with the voice evacuation broadcast system.
- Under normal circumstances, teachers can use it amplify their voice or for the school PA system's input and output.
- The fronts and rears of teaching amplifiers are design to be separated so that it is easy to install and maintain.
- When the microphone and audio source is connected, the amplifier unit will automatically activate, and deactivates when they are disconnected.
- Equipped with a speaker overload trip function.
- The pre-mixer panel can be fixed in the standard single-box, and placed under the center of the blackboard so that it can be easily used and maintained.
- The panel is equipped with one set of microphone ports, one set of audio ports and two sets of independent volume knob, that can also be used as two sets of microphone or audio source inputs and or used to connect multiple panels in series.



Voice Evacuation System Schematic Diagram

Voice Evacuation System Schematic Diagram



Voice Evacuation System Schematic Diagram

Wall-mounted Speaker

YSP-0403A YSP-0405A
YSP-0506A YSP-0506A1

Wall-mounted Speaker



- ◆ 4 / 4 / 4 / 5 inch moving coil cone speaker
- ◆ Rated input: 3W / 5W / 4W or 6W / 4W or 6W
- ◆ Rated impedance: 100V, 3W(3.3KΩ)
5W(2KΩ)
4W(2.5KΩ) or 6W(1.7KΩ)
4W(2.5KΩ) or 6W(1.7KΩ)
- ◆ Output acoustic pressure: Above 92dB (1m) L class
- ◆ Rated frequency range: 200Hz~12KHz
- ◆ Material / thickness: ABS plastic material /
thickness 3 mm
- ◆ Dimensions: 192(W)×190(H)×95(D) mm

YSP-616A Wall-mounted Speaker



- ◆ 6.5 inch moving coil cone speaker
- ◆ Rated input: 6W (can select from 3W / 5W / 6W)
- ◆ Rated impedance: 100V, 3W (3.3KΩ)
5W (2KΩ)
6W (1.7KΩ)
- ◆ Maximum acoustic pressure: 98dB / 1m, L class
- ◆ Rated frequency range: 100Hz~14KHz
- ◆ Material / thickness: ABS plastic material /
thickness 2 mm
- ◆ Dimensions: 252.5(W)×242.5(H)×124.5(D) mm

YSP-606A Wall-mounted Speaker



- ◆ 6.5 inch moving coil cone speaker
- ◆ Rated input: 6W (can select from 3W / 5W / 6W)
- ◆ Rated impedance: 100V, 3W (3.3KΩ)
5W (2KΩ)
6W (1.7KΩ)
- ◆ Maximum acoustic pressure: 99dB / 1m, L class
- ◆ Rated frequency range: 110Hz~16KHz
- ◆ Material / thickness: ABS plastic material /
thickness 3.5 mm
- ◆ Panel material: Fine metal woven mesh
- ◆ Dimensions: 240(W)×240(H)×120(D) mm

YSP-610A Wall-mounted Speaker



- ◆ 8 inch moving coil cone speaker
- ◆ Rated input: 10W (can select from 6W / 8W / 10W)
- ◆ Rated impedance: 100V, 6W (1.7KΩ)
8W (1.3KΩ)
10W (1KΩ)
- ◆ Maximum acoustic pressure: 104dB / 1m, L class
- ◆ Rated frequency range: 110Hz~18KHz
- ◆ Material / thickness: ABS plastic material /
thickness 3.5 mm
- ◆ Panel material: Fine metal woven mesh
- ◆ Dimensions: 240(W)×240(H)×120(D) mm

Ceiling-mounted Speaker

YSP-0403B YSP-0405B
YSP-0506B YSP-0506B1

Ceiling-mounted Speaker



- ◆ 4 / 4 / 4 / 5 inch moving coil cone speaker
- ◆ Rated input: 3W / 5W / 4W or 6W / 4W or 6W
- ◆ Rated impedance: 100V, 3W(3.3KΩ)
5W(2KΩ)
4W(2.5KΩ) or 6W(1.7KΩ)
4W(2.5KΩ) or 6W(1.7KΩ)
- ◆ Output acoustic pressure: Above 92dB (1m) L class
- ◆ Rated frequency range: 200Hz~12KHz
- ◆ Material / thickness: ABS plastic material /
thickness 3 mm
- ◆ Dimensions: 200 Ø (Dia.)×60(D) mm
- ◆ Installation hole size: 175 Ø (Dia.) mm

YSP-606B Ceiling-mounted Speaker



- ◆ 6.5 inch moving coil cone speaker
- ◆ Rated input: 6W (can select from 3W / 5W / 6W)
- ◆ Rated impedance: 100V, 3W (3.3KΩ)
5W (2KΩ)
6W (1.7KΩ)
- ◆ Maximum acoustic pressure: 100dB / 1m, L class
- ◆ Rated frequency range: 110Hz~16KHz
- ◆ Material / thickness: ABS plastic material /
thickness 3.2 mm
- ◆ Panel material: Fine metal woven mesh
- ◆ Dimensions: 260 Ø (Dia.)×77(D) mm
- ◆ Installation hole size: 230 Ø (Dia.) mm

YUN EQUIPMENT
FIRE SAFETY YANG

YSP-616B Ceiling-mounted Speaker



- ◆ 6.5 inch moving coil cone speaker
- ◆ Rated input: 6W (can select from 3W / 5W / 6W)
- ◆ Rated impedance: 100V, 3W (3.3KΩ)
5W (2KΩ)
6W (1.7KΩ)
- ◆ Maximum acoustic pressure: 100dB / 1m, L class
- ◆ Rated frequency range: 100Hz~14KHz
- ◆ Material / thickness: ABS plastic material /
thickness 2 mm
- ◆ Dimensions: 250 Ø (Dia.)×87.5(D) mm
- ◆ Installation hole size: 225 Ø (Dia.) mm

YSP-810B Ceiling-mounted Speaker



- ◆ 8 inch moving coil cone speaker
- ◆ Rated input: 10W (can select from 6W / 8W / 10W)
- ◆ Rated impedance: 100V, 6W (1.7KΩ)
8W (1.3KΩ)
10W (1KΩ)
- ◆ Maximum acoustic pressure: 105dB / 1m, L class
- ◆ Rated frequency range: 110Hz~18KHz
- ◆ Material / thickness: ABS plastic material /
thickness 3.2 mm
- ◆ Panel material: Fine metal woven mesh
- ◆ Dimensions: 260 Ø (Dia.)×91.5(D) mm
- ◆ Installation hole size: 230 Ø (Dia.) mm

Surface-mounted Speaker

- YSP-0403D YSP-0405D
- YSP-0506D YSP-0506D1

Surface-mounted Speaker



- ◆ 4 / 4 / 4 / 5 inch moving coil cone speaker
- ◆ Rated input: 3W / 5W / 4W or 6W / 4W or 6W
- ◆ Rated impedance: 100V, 3W(3.3KΩ)
5W(2KΩ)
4W(2.5KΩ) or 6W(1.7KΩ)
4W(2.5KΩ) or 6W(1.7KΩ)
- ◆ Output acoustic pressure: Above 92dB (1m) L class
- ◆ Rated frequency range: 200Hz~12KHz
- ◆ Material / thickness: ABS plastic material / thickness 2mm
- ◆ Dimensions: 182 Ø (Dia.)×66.5(D) mm

YSP-615C Projection Speaker



Projection

Pendent

- ◆ 6.5 inch moving coil cone speaker
- ◆ Rated input: 15W (can select from 5W / 10W / 15W)
- ◆ Rated impedance: 100V, 5W (2KΩ)
10W (1KΩ)
15W (670Ω)
- ◆ Maximum acoustic pressure: 106dB / 1m, L class
- ◆ Rated frequency range: 100Hz~20KHz
- ◆ Material: ABS plastic material
- ◆ Dimensions: 185 Ø (Dia.)×155(D) mm

YSP-606D Surface / Ceiling Mounted Speaker



Ceiling-mounted

Surface-mounted

- ◆ 6.5 inch moving coil cone speaker
- ◆ Rated input: 6W (can select from 3W / 5W / 6W)
- ◆ Rated impedance: 100V, 3W (3.3KΩ)
5W (2KΩ)
6W (1.7KΩ)
- ◆ Maximum acoustic pressure: 101dB / 1m, L class
- ◆ Rated frequency range: 100Hz~14KHz
- ◆ Material / thickness: ABS plastic material / thickness 2mm
- ◆ Installation Fixture method: Surface-mounted / ceiling-mounted with additional protective cover and fixture
- ◆ Dimensions: 250 Ø (Dia.)×102(D) mm
- ◆ Installation hole size: 225 Ø (Dia.) mm

YSP-6560 Directional Horn Speaker



- ◆ Rated Input: 60W (30W / 40W / 50W / 60W Switchable)
- ◆ Rated Impedance: 100V, 30W (333Ω) / 40W (250Ω)
50W (200Ω) / 60W (167Ω)
- ◆ Rated frequency range: 100Hz~4KHz
- ◆ Sound pressure level [dB(1W)]: 103
- ◆ Material: ABS fireproof
- ◆ Dimensions: 357(L)×332(W)×300(D) mm

Table of Sound Power [dB(30W / 40W / 50W / 60W)]

Rated Input	30W/1M	40W/1M	50W/1M	60W/1M
SPL(dB)	117dB	119dB	119dB	120dB

Wide Range Area

Type of Speaker	Sound Power Unit : dB(1W)	Wide Range Area	Angle of Wide Range Area (2KHz)			
			Angle Setting	0 ~ below 15°	Over 15° ~ Below 30°	Over 30° ~ Below 60°
Others	103dB	X	Horizontal	6	4	0.8
			Vertical	11	3	0.3

Horn Speaker

YSP-610E 10W Horn Speaker



- ◆ 6.5 inch horn speaker
- ◆ Rated input: 10W (can select from 1.25W / 2.5W / 5W / 10W)
- ◆ Rated impedance: 100V, 1.25W (8KΩ) / 2.5W (4KΩ)
5W (2KΩ) / 10W (1KΩ)
- ◆ Maximum acoustic pressure: 111dB / 1m, L class
- ◆ Rated frequency range: 400Hz~4KHz
- ◆ Material: Aluminum alloy
- ◆ Includes matching transformer, integrated
- ◆ Dimensions: 162 Ø (Dia.)×250(D) mm

YSP-832EA Waterproof Horn Speaker

(No Directivity Factor)



- ◆ 8 inch horn speaker
- ◆ Rated input: 32W (can select from 8W / 16W / 32W)
- ◆ Rated impedance: 100V, 8W (1250Ω)
16W (625Ω)
32W (313Ω)
- ◆ Maximum acoustic pressure: 118dB / 1m, L class
- ◆ Dust proof / Water proof grade: IP65
- ◆ Rated frequency range: 400Hz~4KHz
- ◆ Material: Aluminum alloy
- ◆ Dimensions: 210 Ø (Dia.)×280(D) mm

YSP-832E Waterproof Horn Speaker

- ◆ 8 inch horn speaker
- ◆ Rated input: 32W (8W / 16W / 32W switchable)
- ◆ Rated impedance: 100V, 8W (1250Ω)
16W (625Ω)
32W (313Ω)
- ◆ Rated frequency range: 400Hz~4KHz
- ◆ Sound pressure level [dB(1W)]: 105
- ◆ Dust / water protection: IP65
- ◆ Material: aluminum alloy
- ◆ Dimensions: 210 Ø (Dia.) × 280(D) mm

Table of Sound Power [dB(8W / 16W / 32W)]

Rated Input	8W/1M	16W/1M	32W/1M
SPL(dB)	114dB	117dB	120dB

Wide Range Area

Type of Speaker	Sound Power Unit : dB(1W)	Wide Range Area	Angle of Wide Range Area (2KHz)			
			0 ~ below 15°	Over 15° ~ Below 30°	Over 30° ~ Below 60°	Over 60° ~ Below 90°
Horn speaker diameter below 200 mm	105dB	M	10	3	1	0.5

YSP-825E Horn Speaker



- ◆ 6.5 inch horn speaker
- ◆ Rated input: 25W (can select from 10W / 15W / 20W / 25W)
- ◆ Rated impedance: 100V, 10W (1KΩ) / 15W (667Ω)
20W (500Ω) / 25W (400Ω)
- ◆ Maximum acoustic pressure: 115dB / 1m, L class
- ◆ Rated frequency range: 320Hz~5.5KHz
- ◆ Material: Aluminum alloy
- ◆ Includes matching transformer, integrated
- ◆ Dimensions: 210 Ø (Dia.)×280(D) mm

YSP-1650EI Waterproof Horn Speaker



- ◆ 6.4 inch horn speaker
- ◆ Rated input: 10W (can select from 2.5W / 5W / 10W)
- ◆ Rated impedance: 100V, 2.5W (4KΩ)
5W (2KΩ)
10W (1KΩ)
- ◆ Maximum acoustic pressure: 114dB / 1m, L class
- ◆ Includes matching transformer, integrated
- ◆ Dust proof / Water proof grade: IP55
- ◆ Rated frequency range: 500Hz~7KHz
- ◆ Material: Aluminum alloy
- ◆ Dimensions: 163 Ø (Dia.)×182(D) mm



Coaxial Array Speaker

YSP-610AS

Coaxial Array Wall-mounted Speaker



- 8 inch coaxial array speaker (full range 8" treble 1.8")
- Rated input: 10W (can select from 3W / 5W / 6W / 10W)
- Rated impedance: 100V, 3W (3.3K Ω) / 5W (2K Ω) / 6W (1.7K Ω) / 10W (1K Ω)
- Maximum acoustic pressure: 103dB / 1m, L class
- Rated frequency range: 100Hz~10KHz
- Material / thickness: ABS fireproof material / thickness 3.5mm
- Panel material: Fine metal woven mesh
- Dimensions: 240(W) \times 240(H) \times 120(D) mm

YSP-610BS

Coaxial Array Ceiling-mounted Speaker



- 8 inch coaxial array speaker (full range 8" treble 1.8")
- Rated input: 10W (can select from 3W / 5W / 6W / 10W)
- Rated impedance: 100V, 3W (3.3K Ω) / 5W (2K Ω) / 6W (1.7K Ω) / 10W (1K Ω)
- Maximum acoustic pressure: 103dB / 1m, L class
- Rated frequency range: 100Hz~10KHz
- Material / thickness: ABS fireproof material / thickness 3.2mm
- Panel material: Fine metal woven mesh
- Installation hole size: 230 \varnothing (Dia.) mm
- Dimensions: 260 \varnothing (Dia.) \times 91.5(D) mm

YSP-630AS

Coaxial Array Wall-mounted Speaker



- 6.5 inch coaxial array speaker (full range 6.5" treble 1.89")
- Rated input: 30W (can select from 15W / 20W / 25W / 30W)
- Rated impedance: 100V, 15W (667 Ω) / 20W (500 Ω) / 25W (400 Ω) / 30W (333 Ω)
- Maximum acoustic pressure: 107dB / 1m, L class
- Rated frequency range: 100Hz~19KHz
- Material / thickness: ABS fireproof material / thickness 3.5mm
- Panel material: Fine metal woven mesh
- Dimensions: 240(W) \times 240(H) \times 120(D) mm

YSP-630BS

Coaxial Array Ceiling-mounted Speaker



- 6.5 inch coaxial array speaker (full range 6.5" treble 1.89")
- Rated input: 30W (can select from 15W / 20W / 25W / 30W)
- Rated impedance: 100V, 15W (667 Ω) / 20W (500 Ω) / 25W (400 Ω) / 30W (333 Ω)
- Maximum acoustic pressure: 107dB / 1m, L class
- Rated frequency range: 100Hz~19KHz
- Material / thickness: ABS fireproof material / thickness 3.2mm
- Panel material: Fine metal woven mesh
- Installation hole size: 230 \varnothing (Dia.) mm
- Dimensions: 260 \varnothing (Dia.) \times 91.5(D) mm

Emergency Telephone Activation

YUN YANG FIRE SAFETY EQUIPMENT

Emergency Telephone Switchboard

- Model: Desktop type / Wall-mounted / Cabinet type
- Working voltage: DC24V
- Operational modes: Detection via electronic circuit to start the system
- Material: ABS plastic material
- Number of connections: Two-wire wiring (Wiring with polarity)
- Number of circuits: Circuit capacity can be customized based on requirements
- Caller alert function
- Power output indicator function
- Loop relay function, can be connected with the emergency broadcast main host
- Call blocking function, each loop is equipped with initiation / indicator light while calling function, can choose to connect / disconnect / re-dial circuits



YET-A (Exposed)

YET-B (Embedded)

YET-A Emergency Telephone Activation Device (Exposed)

YET-B Emergency Telephone Activation Device (Embedded)

- Working voltage: DC12V
- Operational modes: Detection via electronic circuit to start the system
- Material: Exposed – ABS plastic material
Embedded – PO metal plate
- Accessories: Indicating lamp / emergency telephone stand / microphone / wiring terminal block
- Number of connections: Two-wire wiring (Wiring with polarity)
Indicating lamp requires independent wiring
- Dimension: Exposed – 100(W) \times 282(H) \times 55(D) mm
Embedded – 124(W) \times 305(H) \times 80(D) mm

YEW-2 Emergency Activation Telephone (Two-wire)

- Working voltage: DC 12V
- Operational modes: Detection via electronic circuit to start the system
- Material: ABS plastic material
- Accessories: Emergency telephone stand / terminal block
- Number of connections: Two-wire wiring (Wiring with polarity)
- Dimension: 63 (W) \times 212 (H) \times 50 (D) mm

