



▲ YFR-1 Addressable Fire Alarm Control Panel with 17" Screen



▲ YFR-1 Addressable Fire Alarm Control Panel



Housed in a flame retardant ABS enclosure.

Dimensions (ABS)

Cabinet	Wall-mount	
Addresses/Loop	128/1L	256/1L
H (mm)	370	
W (mm)	480	
D (mm)	90	

Features

- English LCD screen (240×128 or 240 characters).
  - LCD backlight energy-saving protection function.
  - Two-wire circuits for super long transmission distance (up to 1.5km between the control panel and modules).
  - The data memory device can store up to 2000 historical records permanently (the device in graphic systems can be expandable up to 20 million records).
  - Composed voice alarm function (broadcast in human voice to operators).
  - Voice guidance function (while operating).
  - Abnormal temperature protection function (I/O modules over loading).
  - SLCs, IDCs are equipped with insulation for false inspection function.
  - Protection against lightning surge.
  - I/O modules miswiring protection to accessories are available.
  - I/O modules are equipped with segment isolation function.
  - A table to review all I/O modules' statuses is available for easier operation.
  - Addresses and interlocks can be display on the LCD screen.
  - Weekly automatic check function.
  - Repeat alarm function.
  - Two stage alarm delay function.
  - Standby battery with power saving function.
- Control panel expandable functions:
    - Expandable with 17" color touch screen, multiple functions for customers to select: remote control or monitor system software.
    - ※(Touch screen) Disaster Prevention Center Control Panel.
    - ※Fire Graphic Control System or Riser Diagram Touch Screen Fire Alarm Display Panel.
    - ※It is equipped with different Authorization Levels, Individual Password Management, Fire Map Diagram Inquiry, Main Map & Sub Map Diagram, Diagram Printing, Real-time Fire Diagram Popup, Historical Data Inquiry, Operation Data Enquiry, Situation Simulation, Desktop Picture Editing, many Diagram Formats supported and Database etc.
    - ※Communication Speed: when a new alarm announcement activates, the test time is less than 500ms.
  - Addressable devices connection: up to 2,048 addresses.
  - Serial alarm broadcast relay interface: up to 2,000 contacts.
  - Addressable Fire Alarm Annunciator: up to 16 units.
  - Graphic PC: 1 unit. Graphic PC can interlink with Addressable Fire Alarm Control Panel up to 8 units.
  - Equipped with 3 sets of RS-485 communication ports. It can be use to connect with central PC's monitoring and control system.
  - Integrated real-time printer (optional).
  - Disaster Prevention Control Panel can be integrated (optional).

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

Cabinet	Wall-mount									
Addresses / Loops	128/1L	256/1L	512/2L	768/3L	1024/4L	1280/5L	1536/6L	1792/7L	2048/8L	
H(mm)	450			500			840			1020
W(mm)	480			480			480			480
D(mm)	130 (*160)			160			180			180
Dimensions of Addressable FACP with 17" Touch Screen										
Cabinet	Wall-mount			Floor-standing			Floor-standing			
H(mm)	870			1500			1800			
W(mm)	560			560			560			
D(mm)	200			260			260			

Specifications

Item	Specification									
Model	YFR-1									
Power Source	110V AC 50/60 Hz or 220V AC 50/60 Hz									
Addresses / Loops	128/1L	256/1L	512/2L	768/3L	1024/4L	1280/5L	1536/6L	1792/7L	2048/8L	
Standby Battery	24V DC									
Transmission Distance	Two-wires (able for branch wiring) 1.5km									
Annunciator Connection	Use RS-485 for 800m, Network Signal Transceiver for 3km and Optical Fiber for up to 40km									
Loop Voltage	Load Power / Indicating Lamp / Zone Telephone: 24V DC SLC power source: 32V AC									
Power Consumption	Main control panel (monitoring): 500mA Communication module for each system (monitoring): 280mA									
Transmission Method	Selective and sequential (I/O modules)									
Broadcast Output Method	Relay output: interlock relay board × 13 sets for a max of 2,000 contacts (relay board = 40 contacts [standard], 160 contacts [expansion])									
Main Audio	Voice notifications, human voice or voice alarm (over 90 dB)									
Ambient Temperature	0~40°C									
Cabinet Material	Powder coating steel (optional Flame retardant ABS enclosure available up to 256/1L only)									

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Fire Safety Equipment