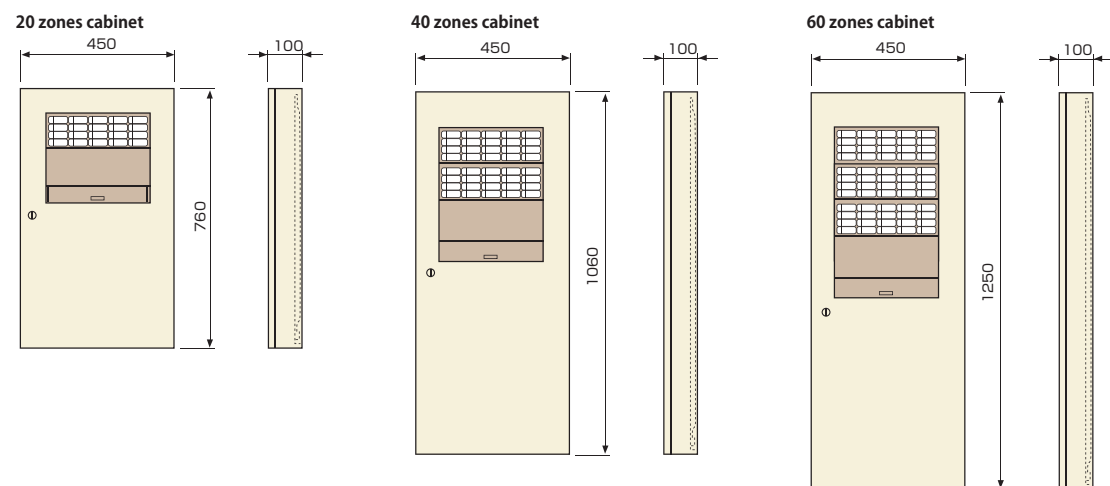


■ Dimension



■ 1PM2

Specifications	1PM2-nLA						
	5	10	15	20	25	30	40
Number of zones	5	10	15	20	25	30	40
Number of bells (10mA) 10	15	20		30			60
Number of bell blocks	5	10	15		20		
Primary rated current (AC220V)	0.39A						
Indicator light	AC25V, 0.4A						
Standby battery	0.45Ah			1.2Ah			
Cabinet size	W450xH760xD100		450x1060x100			450x1250x100	
Weight	18kg		25kg				

■ Products list

Fire alarm control panel	1PM2-5LA
	1PM2-10LA
	1PM2-15LA
	1PM2-20LA
	1PM2-25LA
	1PM2-30LA
	1PM2-40LA
	1PM2-50LA
1PM2-60LA	

FOR YOUR SAFETY Read manual carefully before using

This document may be subject to change without any prior notice

DISTRIBUTOR

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2008.9.FLM

NITTAN

CATALOGUE No.
FA6004

AUTOMATIC FIRE ALARM SYSTEM

Conventional Fire Alarm Control Panel

Remote test

2KW-P and 2KN-P can be tested by the remote-test unit.



2KW-P
eliminate false alarms from steam



2KN-P
eliminate sensitivity drift from dust.



1PM2

1. High reliability, Advanced fire detection

■ Re-sounding mode of panel alarm sounder



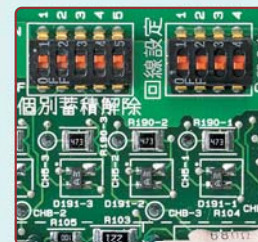
After alarm silence by operator at fire, automatically re-sounds by operation of manual alarm station or by receipt of alarm signal from other zone to announce fire spread.

■ CPU trouble back-up function



Even when CPU is down, basic function is carried on, fire signal can be received, zone indication, alarm sounding, fire alarm signal transfer, etc.

■ Individual alarm delay OFF function



Alarm delay function can be cancelled zone by zone individually.

■ Output for local alarm bell sounding Emergency PA system interlocking

Outputs for local alarm bell sounding and emergency PA system interlocking are standard features.

2. Advanced function for easy installation and easy maintenance

■ Lightning protection



To protect semiconductor parts, lightning protection circuit is standard features.

■ Maintenance switch (all alarm silence)



At maintenance work, unnecessary alarm sounding can be cut off by operating the maintenance switch (except telephone calling sound). Clicking sounds is made when the maintenance switch is ON to draw operator's attention.

■ Alarm delay ON/OFF switch



At installation work and maintenance work, alarm delay function is cancelled to reduce working hours.

■ Plug-in type terminals



Plug-in type terminals is employed to improve efficiency at installation.

■ Auto reset switch



Fire test can be conducted per every one zone operation. When detector is tested, the detector and the fire alarm control panel is reset automatically.

3. Self-diagnosis function

- Constant monitoring disconnection of detector line
- Monitoring circuit voltage low
- Monitoring CPU trouble
- Monitoring fuse blow
- Monitoring disconnection of standby battery
- Constant monitoring disconnection of emergency PA line

Item	Specification
Power supply	Main power supply: AC 220 (50~60Hz), variation 198~242V. Standby battery: built-in sealed type Nickel Cadmium battery.
Number of detector fixed	Smoke, spot type detector (2KH etc): Max.40 per zone, in total less than 20 x zone number. Heat type detector: as required.
External wire resistance	Below max. 50 ohm.
Fire test	By fire test switch method or by zone selection switch (rotary type) test method.
Detector line fault monitor	Line fault constant monitoring method using special end-of-line device (CRE). At line fault, zone light flickers and alarm buzzer sounds.
Fire indicator	Red LED 2 lights.....turn on at fire time.
Zone alarm indicator	Red LED 1 light.....flickers at fire time and line fault time.
AC power indicator	Green LED.....turns on when AC power is supplied.
Switch operation indicator	Red LED.....flickers at lock switch operation condition.
Circuit voltage indicator	Green LED.....turns on at normal circuit voltage. The light turns off at lowering circuit voltage (below 20.4V ± 0.84V). Warning buzzer sounds.
CPU RUN indicator	Green LED.....turns on at CPU normal function time and turns off at CPU trouble time. (PC-1188 and PC-1186 backside)
CPU trouble indicator	Red LED.....turns on at CPU trouble time and main alarm sounds (small sound volume: main).
Battery fault indicator	Red LED.....turns on when standby battery is not connected. Alarm buzzer sounds.
Fuse fault indicator	Red LED.....turns on when zone alarm fuse is at line fault. Alarm buzzer sounds.
Manual alarm station indicator	Red LED.....turns on when fire signal from manual alarm station is received.
Telephone indicator	Green LED.....turns on when telephone call from manual alarm station or annunciator is received.
Alarm delay indicator	Red LED.....turns on at alarm delay circuit function time. Flickers when alarm delay cancel switch (S29) is ON (The light does not turn on at individual alarm delay cancellation time.)
Other alarm indicator	Red LEDx3.....turn on when external alarm is received. Alarm buzzer sounds.
Emergency PA indicator	Red LED.....flickers when emergency PA signal is received and turns on when signal line is at fault. Alarm buzzer sounds.
Maintenance indicator	Flickers at maintenance switch operation time (red).
Zone alarm silence indicator	Flickers at zone alarm bell silence time and at maintenance switch operation time (red).
Panel inside switches	Main power supply switch, alarm delay cancel switch, individual alarm delay cancel switch, maintenance switch, CPU reset switch, zone configuration switch.
Operating panel switches	Outside of operating cover: Alarm silence (NL), Zone alarm bell silence. Inside of operating cover: fire reset (NL), signal transfer isolation, general alarm, hydrant isolation, fire test, zone selection (rotary), test reset, battery test (NL), emergency PA zone alarm transfer isolation.
Panel alarm sounder	Piezoelectric buzzer-resounding type.
Common alarm device	Telephone calling time, zone alarm bell fuse line fault time, standby battery omission time, emergency PA line (EB, EB') fault time, external alarm signal receiving time.
External signal transfer	Contact capacity Fire common signal transfer F-F'(a contact) DC24V Fire signal transfer GA-GB-GC(C contact) 1A Detector reset pulse signal transfer N-N'(b contact) 1A External alarm signal transfer (1L only) XA-XC(a contact) 0.5A Emergency PA signal transfer (EC, EF, EF2, EA1~EA15) 1A EC(a contact) 1A Common----EA1~EA15 is standard equipment over 15 lines. Less than 10 lines----the same number as zone number. Over 50L----EA1~EA20. Annunciator: special annunciator 1 set can be connected.
Auxiliary function	Power supply for indicator light AC25V 0.4A
Zone number	5~60L----wall mounting type
Telephone	1 line, telephone jack type
Thunder proof measures	Gap type thunder proof element is used as standard equipment.