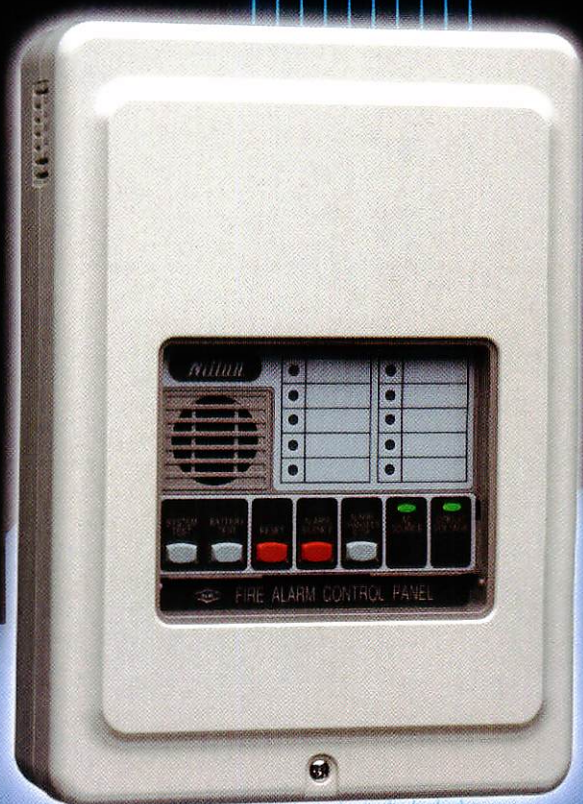


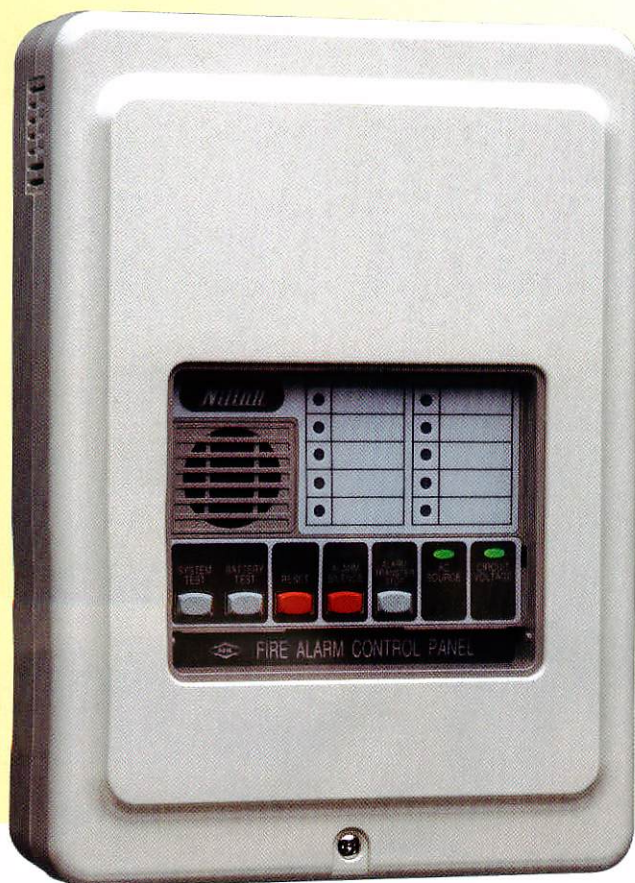
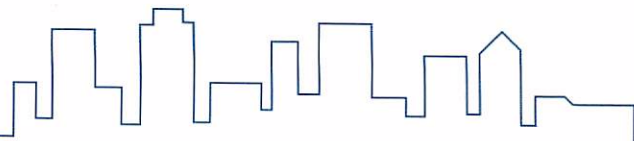
NITTAN

FIRE ALARM CONTROL PANEL 2PD1-10L

- Compact size
- Alarm Delay Function.
Heat Detector:20sec.
Smoke Detector:60sec.
- Supervision of detector lines and fault conditions.
- Energy saving technology for its running cost.
- Light body (Using Flame retardant ACS resin)
- High reliability minimizes maintenance cost.
- Surge Absorber.
- Spring Clamp Terminals.
- Built-in Backup battery.



FIRE ALARM CONTROL PANEL 2PD1-10L



The Nittan Fire Alarm Control Panel,

model 2PD1-10L is the most compact fire alarm control panel in Nittan's product range.

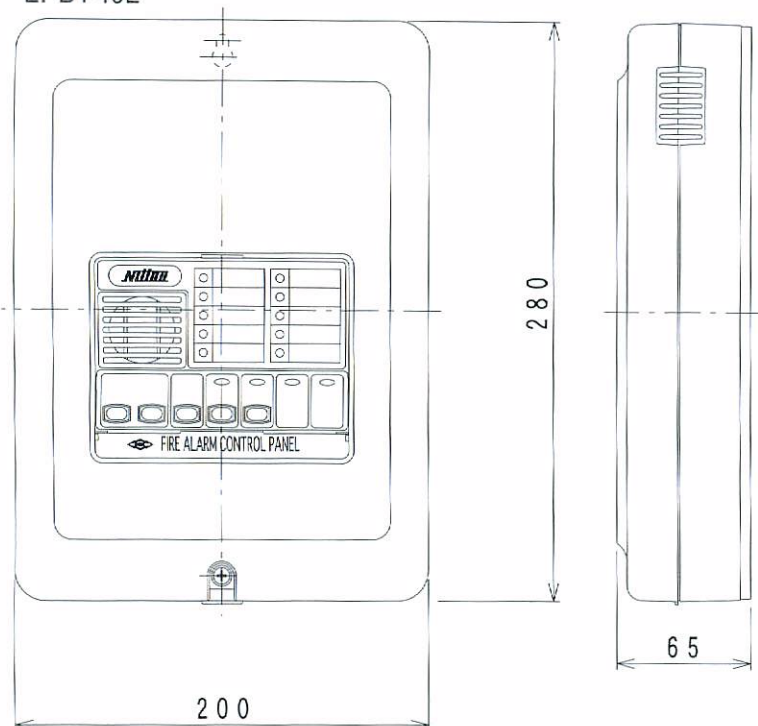
2PD1-10L is suitable for various type of building, such as shops, offices, guest houses, post-offices, mobile phone stations, etc.

The panel is equipped with an "Alarm Delay" function which reduce unwanted false alarm,

and each zone is monitored for their respective statuses, indicated by the use of long life L.E.D.s.

DIMENSION

2PD1-10L



FUNCTION

Alarm delay OFF/ON function



Upon receiving a fire alarm signal from a detector, alarm delay function is activated to check if the signal is true or not so as to avoid false alarm. Meanwhile, operation of any manual alarm station causes 2PD1-10L to give an instant fire alarm without delay.

EXPLANATION OF OPERATION BOARD

System test switch

Used when maintenance service is carried out. While pressing the switch, the fire tests for all lines will be implemented.

Main alarm buzzer

Inform the fire outbreak by continuous sounding (Pi...p). The intermittent sounding (Pi...pi...) indicates some trouble condition.

Zone alarm indicator (red)

The light turns on to indicate the location of fire outbreak when the detector or manual alarm station is activated. Also flashing light indicates breaking the detector wiring.

AC source indicator (green)

Indicate the AC source is on.

Circuit voltage indicator (green)

Indicate the circuit voltage is on normal condition. The indication lamp will be turned off when circuit voltage goes down under 20.4 V (± 0.84).

Alarm transfer stop indicator (red)

By pressing this switch, the alarm transfer stop indicator will be turned on and the transfer signal will be stopped. When pressed on again, the halt condition will be released.

Alarm transfer stop switch

The light turns on to indicate shutdown of the alarm transfer system (both fire alarm signal and zone number signal).

Battery test switch

This is used when maintenance service is carried out. While pressing the switch, the battery test will be implemented.

Reset switch

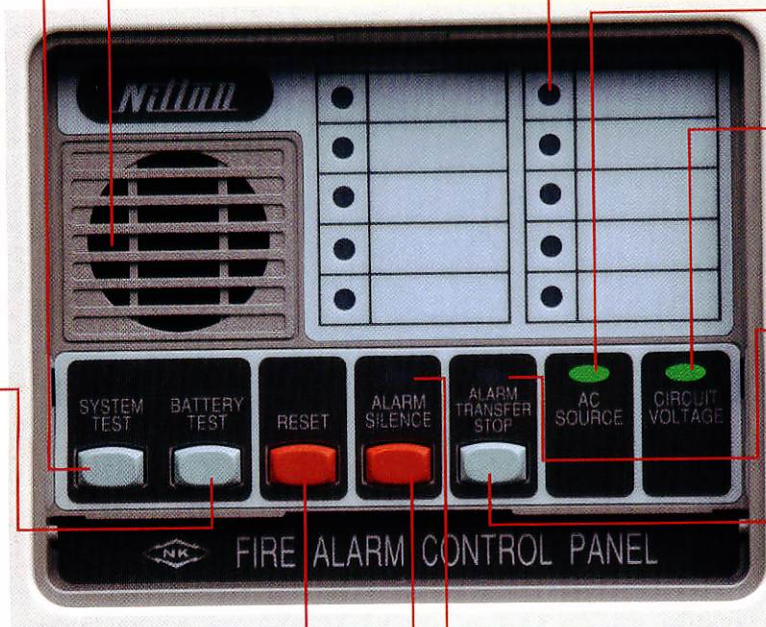
When pressed, the zone alarm indicator, the sounding of local alarm bells, and the alarm transfer will be restored.

Alarm silence switch

The light turns on to indicate shutdown of the alarm system (main/local).

Alarm silence indicator (red)

When pressed, the main alarm buzzer and local alarm bells can be stopped. While the switch is kept pressing, the alarm silence indicator will be turned on and no alarm is given even if detectors or manual alarm station are activated.



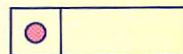
Classification of zone alarm indicator

At monitoring



Light off
Indicates normal monitoring condition.

At fire outbreak



Light on
Indicates fire outbreak as the fire detector or alarm station is activated.

When wiring disconnected



Light flashing
Indicates abnormal condition as the detector wiring is disconnected.

AVAILABLE LATEST EQUIPMENT

Omni-view Dual Wavelength Optical Smoke Detector



2KW-P

Beam Type Smoke Detector



2KLD-KPT

Ex-proof & Drip-Dust proof IR type Flame Detector



1RB-EW

Connecting Diagram

※6 As this product is designed for protection against lightning, please implement the grounding works (grounding resistance under 100Ω) for the earth terminal (E) equipped inside of the control panel.

Earth ※6

AC 220 V

Indication lamp ※4

Bell ※3

※3 Number of installing the alarm bells is up to 10 units in case of rated DC 24 V 10 mA.

Annunciator panel ※5

※5 The annunciator panel to be connected with this system is PSH-10L.

CRE

※2

※2 End of line device (CRE) of this equipment is the wire cut monitoring system. Please connect the end of line device at the line end at any time.

Manual alarm station

Detector ※1

※1 Number of connecting Nittan detectors will be as necessary for heat detector, maximum 15 units/zone for heat semi-conductor detector and maximum 20 units/zone for smoke detector.

To Detector + Manual alarm station

To Detector + Manual alarm station

To next Manual alarm station

E	E
P1	TB3
P2	
PL	TB2
PL'	
B	
BC	
I+	
IC	TB1
GA	
GB	
GC	
I1	
I2	
I3	
I4	
I5	
I6	
I7	
I8	
I9	
I10	
L1	
L2	
L3	
L4	
L5	
C	
L6	
L7	
L8	
L9	
L10	
C	
A	

Specifications

Type of product		2PD1-10L
Power	Main power source	AC 220 V ± 10 % 50/60 Hz (P1, P2)
	Standby battery	DC 24 V 0.45 Ah Enclosed cylindrical nickel cadmium battery
Number of connecting Nittan detector		Smoke type: 20 (2KH series)/zone
		Heat type: As needed (2SC series)
		Heat semiconductor type: 15(2SJ series)/zone
End of line device		CRE
Alarm Delay time		Nominal alarm delay time: 60 seconds (Heat detector: 20 sec. Smoke detector: 60 sec.)
Local alarm bells		DC 24 V 0.1 A (B,BC)
External supply power source		DC 24 V 0.1 A (I+,IC)
Indication lamp		AC 25 V 0.6 A (PL,PL')
Comon Fire Alarm Signal Transfer(Contact Capacity)		DC 24 V 1 A (GA,GB,GC)
Zone Alarm signal Transfer (Open collector)		DC 24 V 50 mA/ciruit
Operating condition		0~+40 : subject to no condensation
Accessories and spares		Instruction manual, Installation paper pattern, Installation screw, Zone name plate, Zone name protection plate, Fuse, Fuse replacing tool, End of line device.



FOR YOUR SAFETY

Read manual carefully before using

This document may be subject to change without any prior notice.

DISTRIBUTOR

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