



AFP 200

OPERATION MANUAL

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A PITTWAY COMPANY

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Operational Procedures

In the Event of an Alarm

Operator Control

The Control panel provides four control keys, Acknowledge/step, bell Isolate, Isolate and System Reset Key's

1 In the Event of an Alarm

In the event of an alarm the following action should be taken; Use the information provided on the display and investigate the alarm condition to determine the cause of the alarm. When the alarm condition has been rectified refer to the procedures below.

2 Resetting the Fire Alarm Panel

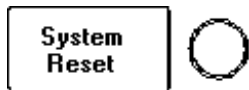
Open the Cabinet Door



Press **Acknowledge/step** push button



Press **Bell Isolate** Button



Press **Reset** button

3 Isolating an Alarm

In the event the alarm will not reset, take the following action;



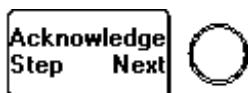
Press the **Acknowledge/step** button



Press the **Isolate** button, (Whilst alarm is present on the display) **For alternate Isolate functions see Status Change on page 6.**

4 Fault Conditions

In the event of a fault being present on the system take the following action;



Open the cabinet door and press the **Acknowledge/step** button

Note: In the event Isolated Alarms, or Faults are present on the Fire Panel, Please contact your Servicing Company.

1. Introduction

Overview

The AFP-200 is a one Loop modular, intelligent Fire Alarm Control Panel (FACP) with an extensive list of powerful features. The CPU module, power supply module, and cabinet combine to create a complete fire control system for most applications. Optional modules mount to the chassis to provide additional output circuits. FIGURE 1.1 SHOWS AFP-200 COMPONENTS THAT AFFECT OPERATION OF THE CONTROL PANEL.

Operating Features

- Alarm Verification selection per point, with tally.
- Positive Alarm Sequence (PAS) and Pre alarm.
- Remote Acknowledge/Alarm Silence/System Reset/Alarm Activate functions through MMX monitor modules.
- Automatic time-of-day and day-of-week control functions, with holiday option.
- User-defined password and key-protected nonvolatile memory.
- AWACS (Advanced Warning Addressable Combustion Sensing) with nine field-adjustable Pre-Alarm levels with programmable Control-by-Event (CBE)
- Operate automatic smoke or heat detector sounder base on action Pre-Alarm level, with general evacuation on alarm level.
- Programmable Control-by-Event control of outputs from individual alarm or supervisory addressable devices.

Components

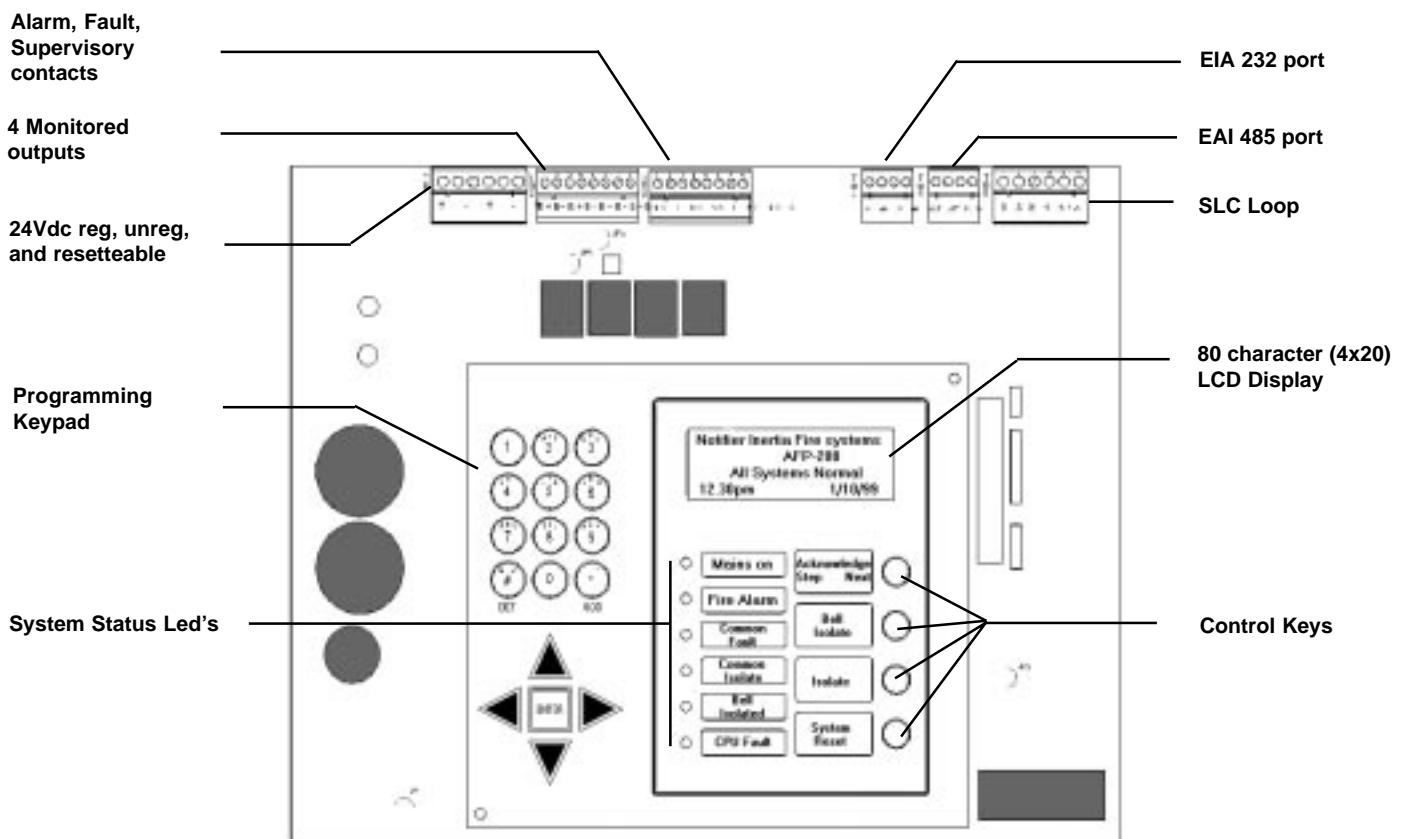


Figure 1.1 AFP-200 Control Panel

2. Using the Control Panel

AFP-200 Controls and Indicators

The AFP-200 control panel contains the following controls and indicators:

- 6 System status LED's;
- Four Control Keys;
- An 80 character (4x20) LCD display with a long-life LED backlight;
- A panel sounder (piezo) that provides audible warnings for Alarm, Fault and Supervisory conditions.

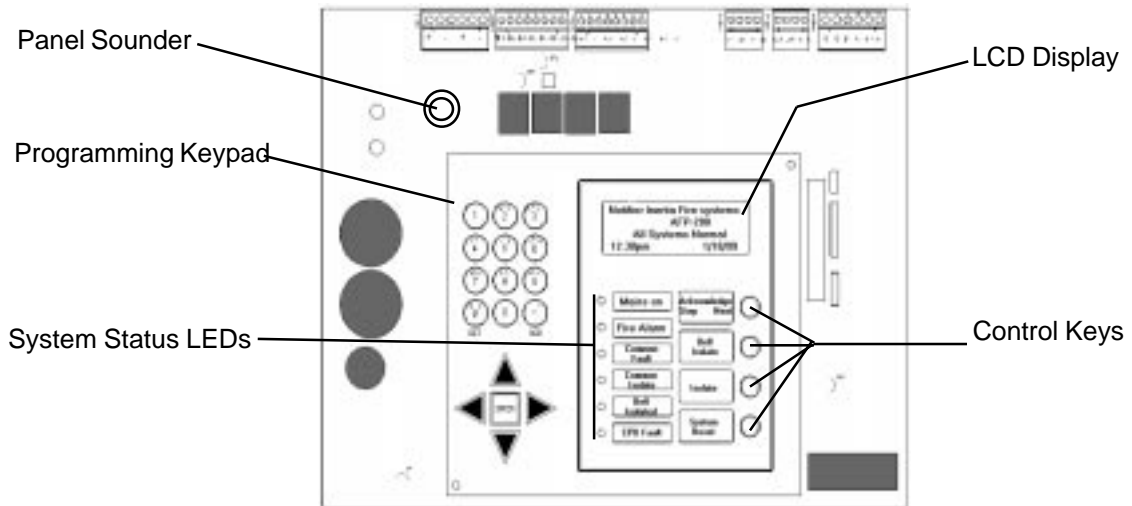


Figure 2.1 AFP-200 Controls and Indicators

System Status Indicator LEDs

The control panel contains 6 LED indicators with labels as follows:

- **Mains on** Lights when the proper primary AC power is applied.
- **Fire Alarm** Flashes when a non-acknowledged fire alarm exists, goes steady when acknowledged.
- **Common Fault** Flashes when a non-acknowledged fault exists, goes steady when acknowledged.
- **Common Isolate** Lights steady when a device is isolated.
- **Bell Isolated** Lights steady when bell isolated.
- **CPU Fault** Flashes when a processor fault exists, goes steady when acknowledged.

Figure 2.2 AFP-200 Indications

3. Read Status

Overview

Read Status functions do not require a password. The control panel will continue to provide fire protection while in Read Status. You can enter Read Status while in Fire Alarm or Fault mode. If a new alarm or Fault occurs during these functions, the control panel automatically exits Read Status.

How to enter Read Status

Press <Enter>. The control panel displays the following screen:

```

1= Programming
2= Read Status Entry
3= Status Change
4= Alarm   5=Fault Test
    
```

Figure 3.1: Read Status Entry Screen

Press <2> and the control panel displays the following screen:

```

Read Point = */#,AA,E
Print Points = 1,E
Read History = 2,E
Print History = 3,E
    
```

Figure 3.2: Read Status Screen

Read Status Options

To do a Read Status, follow the instructions in Table 3.1

To...	Do this...
Read Detector	Press <Enter> 2 * 01 <Enter> (Point read on Detector 1No:1)
Read Module	Press<Enter> 2 # 01 <Enter> (Point read on Module No:1)
Read Panel Ckt	Press<Enter> *# 01 <Enter> (Point read on first output)
Print Points	Press 1 <enter>
Read History	Press 2 <enter>
Print History	Press 3 <enter>



If attempting to read a point that is not installed, the control panel displays "NOT INSTALLED."

Table 3.1 Read Status Options

Scroll Read Status Whilst carrying out a read status option the Up arrow or Down arrow can be pressed and the screen will go to the next device.

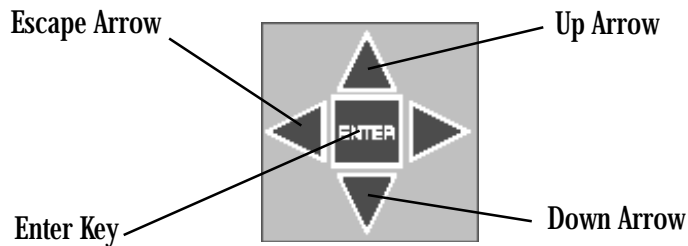


Fig 3.3: Toggle Key Operation

Note: During all Read Status operations (except print operations) the control panel starts a 2-minute timer each time you press a key. If the control panel does not detect a key press for 2 minutes, the panel leaves the current operation and returns to the previous display.

- Press <Esc> to delete the previous entry.
- Press <Esc 3 times or Press Reset> to abort Read Status.

History Operation The control panel maintains a history file of the last 650 events. These events include all alarms, faults, isolates and operator functions such as Acknowledge, Reset, Bell Isolate and Walk Test. Programming entry is also stored, along with a number indicating the programming submenu that was entered (0-9). All events are time and date stamped.

The History log can be accessed by following the directions in table 3.1.

Shadow History The control panel also maintains a "Non erasable" shadow history log, this can be accessed by entering read status and then pressing 8, followed by enter, this will now access the shadow history log, then use the Up and Down arrows to view the shadow history log.

The shadow history log can be printed out to the printer port by pressing 9 and then enter.

4. Status Change

Overview

Status change functions do not require a password. The control panel will continue to provide fire protection while in Status change. You can enter Status change while in Fire Alarm or Fault mode. If a new alarm or Fault occurs during these functions, the control panel automatically exits Status change.

How to Isolate/ Deisolate Devices

Press <Enter>. The control panel displays the following screen:

```
1= PROGRAMMING
2= READ STATUS ENTRY
3= STATUS CHANGE
4= ALARM  5=FAULT TEST
```

Figure 4.1: Status Change Entry Screen

Press <3> and the control panel displays the following screen:

```
STATUS CHANGE PRESS:
1= ISOL    2= CLR VER
3= CLR HIS 4= TIME
5= WALK TEST
```

Figure 4.2: Status Change Screen

Press <1> and the control panel displays the following screen:

```
ISOLATE/DEISOL
DETECTOR = *AA ENTER
MODULE   = #AA ENTER
```

Figure 4.3: Isolate/Deisolate Screen

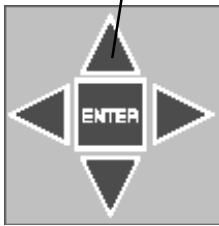
Press <*01> and the control panel displays the following screen:

```
"DEISOL" SMOKE (PHOTO)
DETECTOR ADDRESS.....
Z01  Z   Z   Z   Z
00%  HIGH*P* D01
```

Figure 4.4: Detector Status Screen

Status Change ..Cont...

Press the Up arrow above the "ENTER" button and the control panel displays the following screen:



```
"ISOL" SMOKE (PHOTO)
DETECTOR ADDRESS.....
Z01  Z   Z   Z   Z
00%  HIGH*P* D01
```

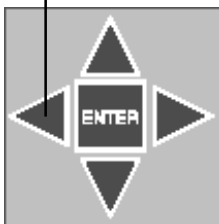
Figure 4.5: Isolate Detector Status Screen

Press <Enter>The control panel displays the following screen:

```
ISOLATE/DEISOL
DETECTOR = *AA ENTER
MODULE   = #AA ENTER
```

Figure 4.6: Isolate/deisolate Screen

Press the Left Arrow 3 times to escape Status change mode the control panel now displays the following screen:



```
"ISOL" SMOKE (PHOTO)
DETECTOR ADDRESS.....
Z01  DEVICE ISOLATED
11:51am  1/10/99  D01
```

Figure 4.7: Isolated Device Screen

Note:

The FIP will continue to display the isolated device till it is deisolated,
To deisolate the device, carry out the same functions as per isolating a device.

