

Simplex 4010 Fire Alarm Panel Operators Guide

Acacia Prison

The Fire Panel consists of two sections – the Keyboard/Display (upper module FIG 1) and the Zone Isolate switches & indicators (lower module).

The Display indicates Alarm, Fault & Isolation Status & instructs the operator on what key to press next.

When a non-isolated alarm is detected, the fire panel rings the bell, sends the alarm information to the main panel to call the fire brigade and shut down the air-conditioning.

The panel / alarms are reset by pressing the RESET key

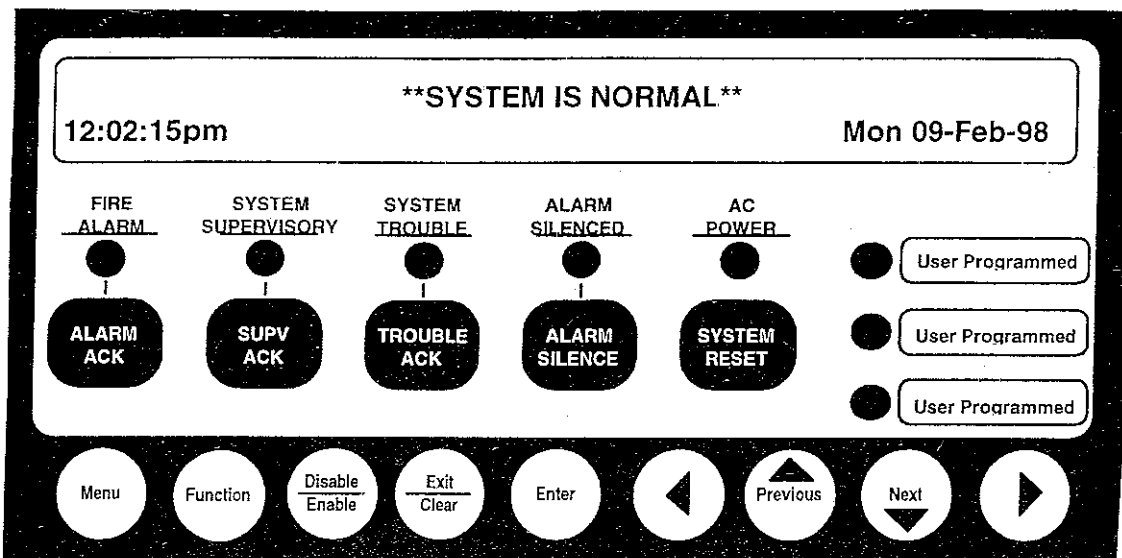


FIGURE 1

Acknowledge ALARM condition

1. Press "Alarm ACK"
This will stop the panel buzzer and turn red alarm LED on steady.
2. Read panel display to identify where the fire alarm is located.
3. A Red LED on the zone isolate switches will also be "on" identifying the zone in alarm

Acknowledge Fault Conditions

1. Press "TROUBLE ACK"
This will silence the panel buzzer and turn the yellow fault LED on steady
2. Read the panel display to identify the fault condition and relay his information to your service company

Acknowledge Isolate conditions

1. Press "SUPV ACK"
This will silence the panel buzzer and turn the yellow Isolate LED on steady.
2. Read the panel display to ensure the required Zone or point was isolated.

ISOLATE / DE ISOLATE ZONES

1. Press the ISOLATE switch next to the zone or point to be isolated –
Once the switch has been depressed, the yellow ISOLATE LED adjacent to the switch will light, indicating that the point or zone is now isolated and the panel buzzer will activate
2. Perform an isolate Acknowledge to silence the buzzer (see page 1)

DE-Isolate Press the desired isolate switch again and the yellow LED will extinguish.

WARNING Do not DE-Isolate a Zone if the RED ALARM LED for this ZONE is on. The RED LED indicates this Zone is in alarm and de-isolating it will activate a full alarm condition

ACF ISOLATE.

Pressing the ACF isolate will isolate all output relay functions within the FIP.

- 1 Locate the ACF isolate switch, which is in the 2nd bay.
- 2 Press the ACF isolate button
- 3 Press the SUPV ACK button to acknowledge the isolate
- 4 Output relays are now isolated

To **de-isolate** press the ACF isolate again

SIP ISOLATE

Pressing the SIP isolate on these 4010 panels will only stop faults from reporting to the MFIP all other functions will still operate.

- 1 Locate the SIP isolate switch, which is in the 2nd bay.
- 2 Press the SIP isolate button
- 3 Press the SUPV ACK button to acknowledge the isolate

To **de-isolate** press the SIP isolate again

BELL ISOLATE.

Pressing the BELL isolate will stop the local external bell from operating

- 1 Locate the BELL isolate switch, which is in the 2nd bay.
- 2 Press the BELL isolate button
- 3 Press the SUPV ACK button to acknowledge the isolate

To **de-isolate** press the BELL isolate again

ALARM / FAULT TEST.

ALARM

Pressing the ALARM Test switch will place an alarm on the SIP for the purpose of testing the alarm signal.

WARNING this test will shut down the air-conditioning ring the outside bell and send a signal to the MFIP.

1. Locate the ALARM TEST switch, which is in the 2nd bay.
2. Press the ALARM TEST button
3. The alarm will be generated for 20 seconds and then switch off automatically

FAULT

Pressing the FAULT TEST switch will place a fault on the SIP for the purposes of testing and send a SIP fault signal to the MFIP.

1. Locate the FAULT TEST switch, which is in the 2nd bay.
2. Press the FAULT TEST button
3. The fault will be generated for 20 seconds and then switch off automatically

BRIGADE TEST

This feature is disabled on these SIPs, as the alarm test will generate a fire brigade signal at the main fire panel.

HISTORICAL LOG

All actions including alarms, faults, all tests and isolates are recorded in the historical log. The log is recorded in a battery backed RAM meaning even if the panel is turned off the information is still stored in the system.

To access the log:

1. Press the MENU button.
2. Press the "next" button and scroll through the menu to locate the ALARM or FAULT log (isolates are recorded in the fault log)
3. Press "enter" then press either "next" or "previous" to scroll through the log