

Simplex 4100+ 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 FIG 2).

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, calls the fire brigade, shuts down the air-conditioning & activates the Evacuation Panel.

The panel / alarms are reset by pressing the RESET key

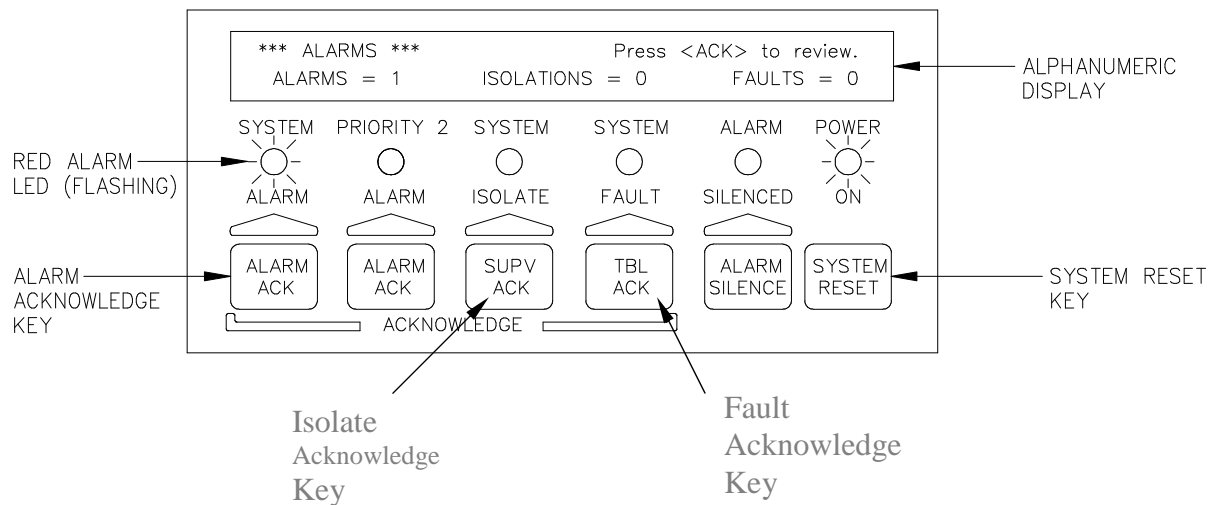


FIGURE 1

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 toggle switches (see fig 2) will also be "on" identifying the zone in alarm

Acknowledge Fault Conditions

1. Press "TBL 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.
(See page 2 to isolate Zones etc

ISOLATE / DE ISOLATE ZONES

Press down the ISOLATE toggle switch next to the zone or point to be isolated –

Once the toggle switch has been depressed, the yellow ISOLATE LED adjacent to the toggle switch will light, indicating that the point or zone is now isolated and the panel buzzer will activate, an isolate Ack will need to be performed to silence the buzzer (see page 1)

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

WARNING Do not DE-Isolate a Zone if the RED ALM 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.

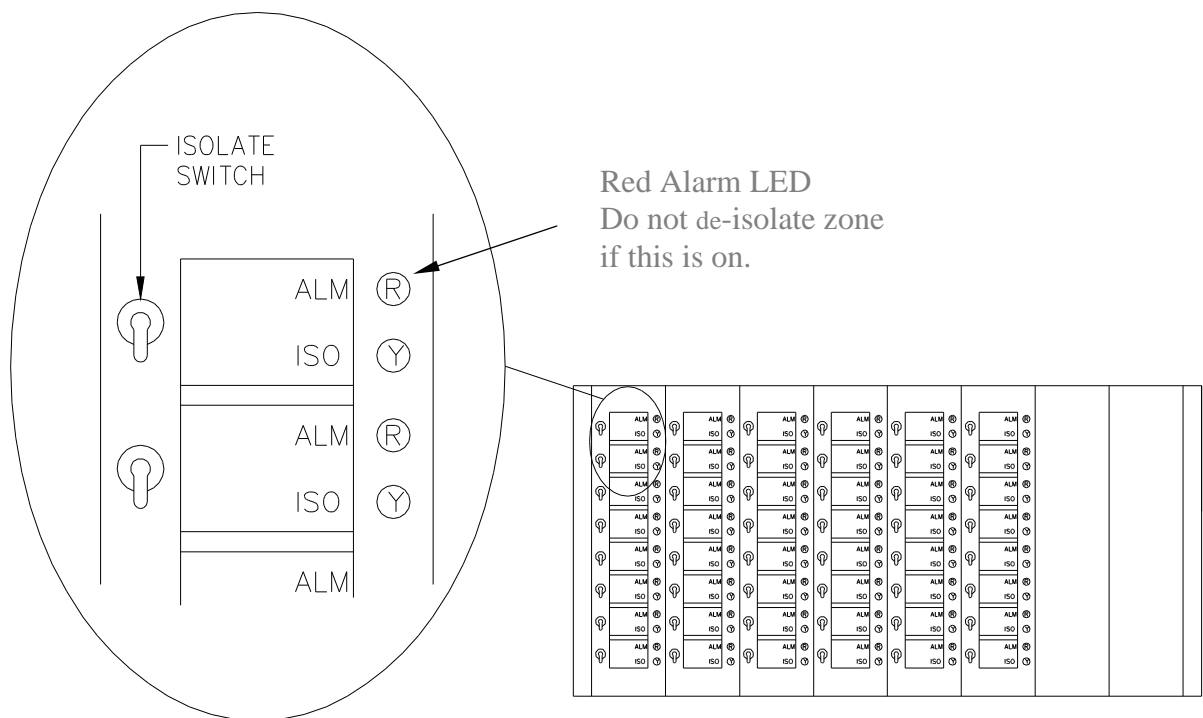


FIGURE 2

ACF Isolate.

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

- 1 Pull the display flap down.
- 2 Press the ACF isolate button located on the left hand side of the display
- 3 Press the SUPV ACK button to acknowledge the isolate
- 4 Output relays are now isolated

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

Disable / Enable system points.

In some instances you may wish to disable an individual addressable device. Disabling a device will take it off line and generate a “disable fault” until it is re enabled.

Disabling an active point (i.e. currently in alarm or fault)

- 1 If the device you wish to disable is in the active fault or alarm list, press the TBL or ALARM “ack” button until it is displayed.
- 2 pull down the display flap and Press the “Disable” key.
- 3 The screen will then prompt you to Press “enter” to confirm disable and the display will read “action taken”
- 4 Device is now disabled.

Disabling a non active point

If the device you wish to disable is not in the active fault or alarm lists you will need to identify the device address.

- 1 Press the “map” (no 6) key
- 2 Enter 1-1 so the screen will read M1-1
(If you know the device address enter this & go to step 6)
- 3 Press “enter”
- 4 Device number 1 on loop 1 will be displayed
- 5 Press the “next” key and scroll through the list until the device you require is displayed.
- 6 Press the “enter key and perform steps 2-4 under disabling an active point.

Enabling a point

Once a device has been disabled it will be in the active fault list.

- 1 Press the “TBL ack” button until the device is displayed.
- 2 Press the enable key.
- 3 The system will count down from 60 and enable the device.

WARNING

Ensure the device you are enabling is not in alarm condition.

The display will prompt you to abort the enable sequence if its in alarm condition with the message

“Warning press disable to abort device xxx will alarm in 60 sec.