



4100U Fire Alarm Panel Operators Guide

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 an Alarm, Fault or Isolate event occurs the sounder will operate until acknowledged.

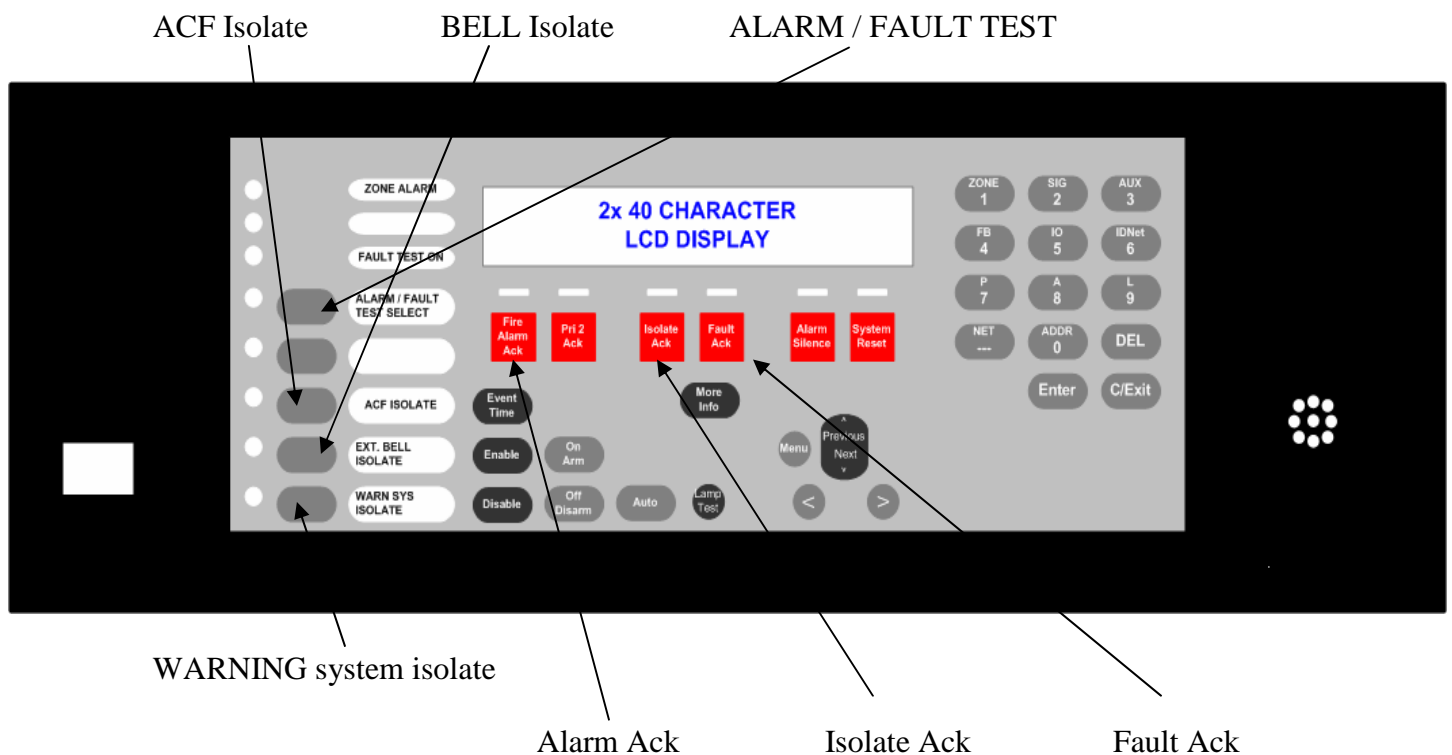


FIGURE 1

ACKNOWLEDGE ALARM CONDITIONS

Alarm conditions are identified by RED flashing ALARM LEDs accompanied by an audible signal

1. Press the “Fire Alarm ACK” button
This will stop the panel buzzer and the red alarm LEDs from flashing.
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
4. If there are multiple fire alarms the locations for each alarm can be viewed by repeatedly pressing the “Fire alarm Ack” button.

ACKNOWLEDGE FAULT CONDITIONS

Fault conditions are identified by a yellow flashing FAULT LED

1. Press "Fault Ack"
2. This will silence the panel buzzer and turn the yellow fault LED on steady.
3. Read the panel display to identify the fault condition and relay this information to your service company.
4. If there are multiple faults each one can be identified by repeatedly pressing the "Fault Ack" button

ACKNOWLEDGE ISOLATED CONDITIONS

Isolate conditions are identified by a yellow flashing ISOLATE LED

This will occur after the operator has isolated a zone or output.

1. Press "Isolate ACK"
2. This will silence the panel buzzer and turn the yellow Isolate LED on steady.
3. Read the panel display to ensure the required Zone or point was isolated.
(See below for instructions on how to isolate Zones etc)
4. If there are multiple isolated conditions each one can be identified by repeatedly pressing the "Isolate Ack" button

ALARM RESET.

THE FIRE BRIGADE NORMALLY PERFORMS THIS FUNCTION AFTER AN ALARM HAS BEEN INVESTIGATED.

Pressing this button will cause all alarm data to be removed from the panel displays.

1. With the alarms displayed on the front LCD press the "System reset" Button
2. Display will prompt you to press "ACK to confirm reset
3. Press the "ALARM ACK" button to confirm the reset action.

ISOLATE / DE ISOLATE ZONES

This is normally done by service personal or on site staff if service work is to be carried out in a particular area. Isolating a zone will prevent alarms from the isolated area from activating any outputs or calling the local fire brigade.

1. Press the ISOLATE toggle switch next to the zone or point to be isolated –
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
2. An isolate Ack will need to be performed to silence the buzzer (see above)

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.

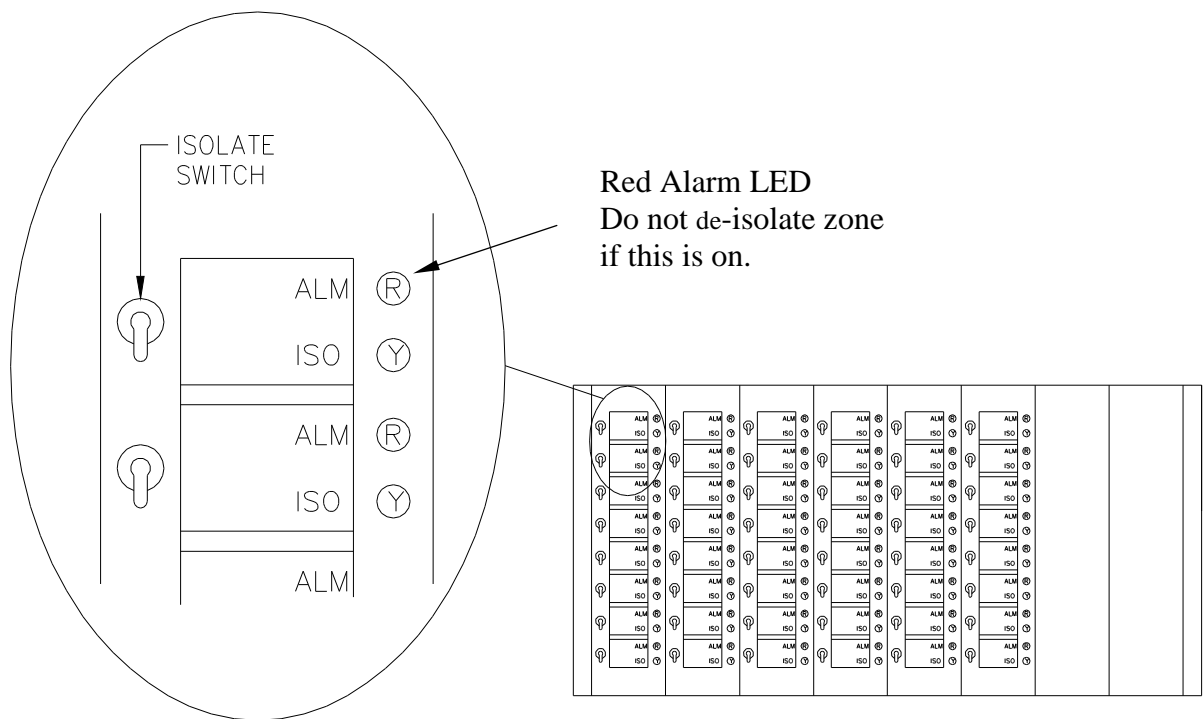


FIGURE 2

ACF ISOLATE

This function is normally done by service personal. Pressing this button will stop any outputs on the fire alarm panel from operating in an alarm condition.

- 1 Press the ACF isolate button located on the left hand side of the display
- 2 Press the "ISOLATE ACK" button to acknowledge the isolate
- 3 Output relays are now isolated

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

BELL ISOLATE

This function is normally done by service personal, or if staff has received authority form the attending fire brigade to turn the outside bell off.

1. Press the "BELL isolate" button located on the left hand side of the display
2. Press the "ISOLATE ACK" button to acknowledge the isolate
3. The bell is now isolated

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

WARNING SYSTEM ISOLATE

This function is normally done by service personal. Isolating the warning system will prevent the building evacuation system from operating if any alarms occur.

1. Press the “Warning System isolate” button located on the left hand side of the display
2. Press the “ISOLATE ACK” button to acknowledge the isolate
3. The Warning system is now isolated

To **de-isolate** press the “Warning system isolate” again

Disable / Enable system points.

This function is normally done by service personal.

In some instances you may wish to disable an individual detector rather than an entire zone.

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 FAULT or ALARM “ack” button until it is displayed.
- 2 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 “IDNet” (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 “Fault 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.

ALARM / FAULT TEST

WARNING

Alarm and Fault tests are normally done by service personal as using the alarm test can dispatch the local Fire brigade and activate all output functions on the fire panel.

ALARM TEST

1. Press the alarm / fault test select key located on the left hand side of the display.
2. The panel will display the message “alarm test on”
3. Select the zone you wish to alarm test and press the associated toggle switch this is the same switch you would press to isolate the zone (see fig 2)
4. To reset press the system reset or press the alarm test switch again for fault test .If you don't wish to do a fault test press this switch a 2nd time to exit from the test mode.

FAULT TEST

1. Press the alarm / fault test select key twice (first press is alarm test) this is located on the left hand side of the display.
2. The panel will display “fault test on” and also light the fault test indicator above the test select key.
3. Select the zone you wish to alarm test and press the associated toggle switch this is the same switch you would press to isolate the zone (see fig 2)
4. To reset press the alarm / fault test switch again.