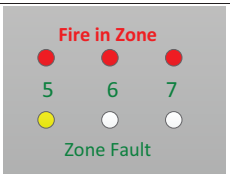
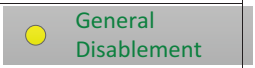
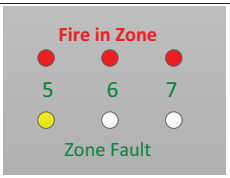
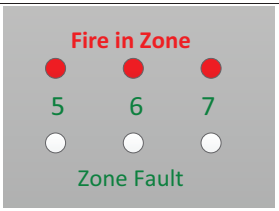
incite fire

Sigma CP Conventional Fire Control Panel Quick Reference Guide

Australia Version 1 – April 2012

How To	Do This	Display	Comments
Silence buzzer	***Alarm/Fault Buzzer Silenced*** Press button		Buzzer will resound on next event.
Test lamps	***Lamp Test*** Press button	All lamps on	Buzzer sounds whilst button is pressed
Enable buttons	***Enable Control*** Turn key		Buzzer beeps twice every few seconds
Silence alarms	***Silence/Sound Alarm*** Press button		
Sound alarms	***Silence/Sound Alarm*** Press button		Buzzer pulses rapidly
Reset	***Reset*** Press button		Ensure source of fire event is cleared before resetting.
Disable a zone Step 1	***Mode*** Press button until d1 is displayed	First display	
Disable a zone Step 2	***Select*** Press button to scroll zones	Zone 5	Zone 5 for example
Disable a zone Step 3	***Enter*** Press button	 Zone 5 fault LED is lit	 Dot flashes to indicate disablement

How To	Do This	Display	Comments
Put a zone into test mode. Step 1	**Mode** Press button until t1 is displayed	t 1 First display	
Put a zone into test mode. Step 2	**Select** Press button to scroll zones	t5 Zone 5	Zone 5 for example
Put a zone into test mode. Step 3	**Enter** Press button	 Zone 5 fault LED is lit	General Disablement t5. Dot flashes to indicate test mode.
Enable a zone Step 1	**Mode** Press button until d1 is displayed	d 1 First display	
Enable a zone Step 2	**Select** Press button to scroll zones	d5. Zone 5	
Enable a zone Step 3	**Enter** Press button	 Zone 5 LED extinguishes	General Disablement General disablement indicator extinguishes
Disable sounders Step 1	**Mode** Press button until db is displayed	db	
Disable sounders Step 2	**Enter** Press button	db.	Dot flashes to indicate bells/sounders are disabled. General disablement and sounder Fault/Disablement indicators lit.

How To	Do This	Display	Comments
Enable sounders Step 1	**Mode** Press button until db is displayed		
Enable sounders Step 2	**Enter** Press button		Dot extinguishes to indicate bells/sounders are enabled. General disablement and sounder Fault/Disablement indicators extinguish.
Activate zone input delays Step 1	**Mode** Press button until Ad is displayed		
Activate zone input delays Step 2	**Enter** Press button		Dot flashes to indicate that delays are active if they have been set in engineering mode. (refer to operation and maintenance manual)
Deactivate zone input delays Step 2	**Mode** Press button until Ad is displayed		Dot flashes to indicate that delays are active if they have been set in engineering mode. (refer to operation and maintenance manual)
Activate zone input delays Step 1	**Enter** Press button		Dot stops flashing to indicate delays have been deactivated
Return system to normal	**Enable Control** Turn key		Leaves only Alarm/Fault Warning Silence and Lamp Test buttons operable
For service contract:		Telephone:	

Notes to Technicians and Testers.

This incite Sigma and Syncro range of panels have been designed to meet AS7240.2 and AS7240.4

These standards are very different in both their panel operation and operating parameters from the old Australian standards, AS4428.1 and AS1603.4.

The main differences are outlined here as follows;

Access Levels: AS7240 allows for 4 different access levels as follows:

1. Public Access Level: This level is always active
    a. Silence the panel buzzer
    b. Perform a lamp test

2. Operator Access Level: This level is entered by turning a key or by entering a code. This is the level accessible to the Fire Brigade.
    a. All the above plus
    b. Sound Alarm Devices, e.g. Activate and Evacuation signal
    c. Silence Alarm Devices
    d. Reset the panel
    e. Activate Delays
    f. Set Test mode
    g. Disable circuits

3. Technician Access Level: This level is entered by entering a code which is different from that used for Access Level 2, or setting a switch which is not normally available to an Operator, e.g behind a locked door.
    a. All of the above plus
    b. Changes to the configuration, e.g set delay times, add devices/modules to the panel.

4. Engineering Access Level: This level is entered via a laptop or other device using specialised software to upgrade or change the firmware within the panel. This level is only available to the manufacturer and authorised technicians

Disablement: This is not an isolate! An isolate allowed the circuit to be monitored and indicate its condition without causing activation. A disablement, depending on the design, may or may not allow a circuit to be powered but will not indicate the state of the circuit. The circuit is disabled.

Care must be taken when enabling a disabled circuit to ensure that it is not active.
It is good practice to perform a reset on any disabled detection circuit before enabling it.

The standard list a disablement as: “Disablements shall inhibit all corresponding mandatory indications or outputs or both, but shall not prevent other mandatory indications and/or outputs.”

Alarm and Fault Test: Under AS7240, neither alarm test or fault test exists. During maintenance, an installation is required to be tested by activating a detector on that circuit and ensuring that the panel and outputs operate successfully due to that activation. In this way, the integrity of the entire system is ensured.

Test: This is similar to a Walk Test, where the detector will activate and then reset approximately 5 seconds later, but the outputs will activate indicating that the entire system is working. Any outputs which must be maintained during a test, such as computer shutdown, will need to be disabled prior to performing any test.

Power Supplies: Under AS7240, the power supply must be capable of powering the panel, ALL alarm loads AND charge the batteries. In other words, the panel must be able to operate in all modes without any batteries connected.

Alarm Delays: AS7240 allows for alarm delays on sounders and outputs. The majority of panels in Australia will not use this function, but they are included here for completeness. These are configured at Access Level 3, but activated at Access Level 2. Delays under AS7240 can be up to 10 minutes in length.

When the delay is activated and an alarm occurs, the output will not operate until this delay period has expired.

Refer to the Sigma CP Operation and Maintenance Manual, Table 8 for configuration options.

Earth Fault: An AS7240 panel will detect if there is an earth fault on the system

Alarm Verification: AS7240 does not have alarm verification

Sounders, Bells and Warning System: AS7240 does not discriminate between sounders, bells and a warning system. They are all sounders. Controls are provided to silence and re-sound sounders at access level 2.

Fire Fighters Facility: AS7240 does not have a Fire Fighters Facility.

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