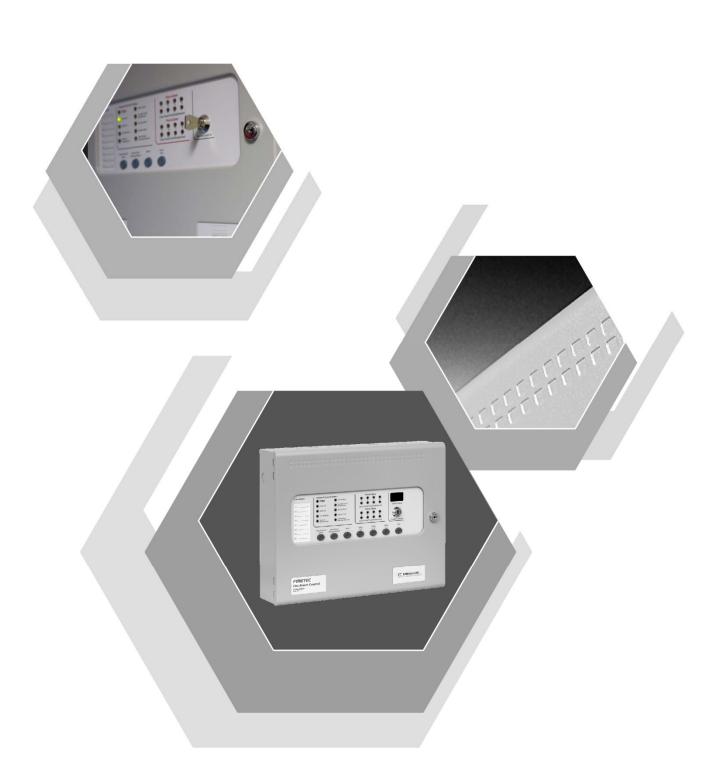
FIRETEC SENSA (FKEW Series)



Conventional Fire Control Panel

(FKEW2, FKEW4, FKEW8)

Man-1138EL Issue 01 February 2014



Contents

1. Introduction	4
2. Safety	4
4. Technical specification	5
5. Control panel fascia	7
6. Connecting to the circuit board	8
7. Software revision number	8
8. Detection zone wiring	9
9. Priority/Non-priority alarm settings	
10. Standard Sounder circuit wiring	
11. Connection to remote control terminals	
12. Aux 24V DC supply	
13. Connection to relay contacts	
14. Connection to Repeater panels	
15. Connection to Ancillary boards	
16. Connection to 8 way Sounder boards	12
17. Panel operation	
17.1 Normal condition	
17.2 Fire condition (sounders set to priority alarm)	
17.3 Fire condition (sounders set to non-priority alarm)	
17.4 Silence/sound alarms	
17.5 Reset	
17.6 Zone fault	
17.7 Sounder fault	
17.8 Power fault	
17.9 System fault	
17.10 Lamp test	
17.11 Disablements	
17.11.2 Disable sounders 17.11.3 Activate delays	14
17.11.4 Disable fault contact	14
17.12 Test mode	14
18. Configuration options	14
19. Watchdog reset switch	17
20. Processor reset switch	17
21. Internal indications – troubleshooting	17
21.1 Mains fail	
21.2 Batt fail	

21.3 CPU fault	
21.4 Aux 24V fault	
21.5 Batt low	
21.6 Earth fault	18
21.7 Sys fuse fault	
21.8 S1 fault and S2 fault	
21.9 Comms fault	
22. Power supply	19
23. Maintenance	20
24. Zone designation label	20
25. Record of Configuration	21

1. Introduction

The Firetec Sensa Alarmsense range consists of a series of conventional fire alarm control panels that comply with European standards EN54-2 and EN54-4, Fire Detection and Fire Alarm systems - Control and Indicating Equipment.

The range consists of 2, 4 and 8 zone control panels.

The Apollo Alarmsense system allows compatible smoke and heat detectors, call points, sounders, sounder/ beacons and alarm relays to be connected to a single pair of wires rather than having two pairs of wires, one for detection devices and one for sounders and relays.

Wiring sounders to the detection circuits eliminates the need to install separate sounder circuit cables and also offers the ability to provide zoned or two stage sounder operation.

The Alarmsense priority/non-priority sounder scheme makes the Alarmsense system ideal for protection of Houses of Multiple Occupation. With appropriate settings on the sounder and sounder beacon devices it is possible to configure the system such that when an alarm is detected, only the sounder local to the activated detector is operated to alert occupants in that vicinity subject to a configurable alarm verification period. This functionality allows full compliance with BS5839-6.

All control panels have an integral, mains powered battery charger and power supply.

In addition to the requirements of EN54-2 the control panel has the following facilities:

............Delay of the actioning of fire alarm devices (sounders) so that an alarm may be verified before a premises is evacuated. EN54-2 Section 7.11 option with requirements.

......Fire alarm devices to enable an audible warning to be sounded throughout a premises upon the detection of a fire condition or the operation of a manual call point. EN54-2 Section 7.8 option with requirements.

Also in addition to the requirements of EN54-2, all control panels have voltage free relay contacts for fire and local fire which operate upon fire condition. These are to be used for local control and signalling.

2. Safety

Suppliers of articles for use at work are required under section 6 of the Health and Safety at Work act 1974 to ensure as reasonably as is practical that the article will be safe and without risk to health when properly used.

An article is not regarded as properly used if it is used 'without regard to any relevant information or advice' relating to its use made available by the supplier.

This product should be installed, commissioned and maintained by trained service personnel in accordance with the following:

- (i) IEE regulations for electrical equipment in buildings
- (ii) Codes of practice
- (iii) Statutory requirements
- (iv) Any instructions specifically advised by the manufacturer

According to the provisions of the Act you are therefore requested to take such steps as are necessary to ensure that you make any appropriate information about this product available to anyone concerned with its use.

This equipment is designed to be operated from 230V 50Hz mains supplies and is of class 1 construction. As such it **must** be connected to a protective earthing conductor in the fixed wiring of the installation and a readily accessible double pole disconnect device meeting the requirements of EN60950/IEC950 which disconnects live and neutral simultaneously shall be incorporated in the fixed wiring.

Switch disconnect devices such as MK Sentry 63A or similar are suitable for this.

Failure to ensure that all conductive accessible parts of this equipment are adequately bonded to the protective earth will render the equipment unsafe.

This control panel is designed for indoor use only and at temperatures between -5° C (+/- 3) and +40°C (+/- 2) and with a maximum relative humidity of 95%.

The IP rating for the enclosure is IP30.

Operation outside of these limits may render the equipment unsafe.

3. Mounting

The control panel should be mounted on a dry, flat surface, at eye height to the display and in a level position such that the enclosure is not distorted.

Screws or bolts of a minimum of 5mm diameter must be used to mount the enclosure in all three mounting positions.

It should be positioned in an accessible position as agreed with the end user.

Suitable fixings should be used at all fixing points such that the control panel is securely mounted and is not liable to move once fixed.

The control panel should not be mounted in another enclosure or near sources of excessive heat.

Cables should be connected using suitable cable glands fitted to the knockouts provided. If additional cable entry points are required, all swarf and debris caused by drilling of additional cable entries must be cleared before power is applied to the panel.

4. Technical specification

Table 1 - Electrical specifications

Mains supply	230V AC +10% - 15% (100 Watts	
	maximum)	
Mains supply fuse	1.6Amp (F1.6A L250V)	Replace only with similar type
Power supply rating	3 Amps total including battery charge 28V +/ 2V	
Maximum ripple current	1.5 Volts	
Output voltage	18.5 to 29V DC +/- 2%	
Imax a	400 milliamps	
Imax b	2.3 Amps	
Imin	0.065A	
Battery type (Yuasa NP)	Two 12 Volt sealed lead acid (7Ah	See table 2 for capacities
battery type (Yuasa NP)	maximum)	See table 2 for capacities
Battery charge voltage	27.6VDC nominal (temperature compensated)	See table 3
Battery charge current	0.7A maximum	
Battery lead fuse	20mm, 3.15A glass	Replace only with the same type
Battery high impedance warning (Rimax)	1.35 ohms max	
Low battery voltage indication	21V +/- 2%	
Low battery shut off voltage	18.5V +/- 2%	
Maximum current draw from batteries	3 Amps	With main power source off
ROV output	Fused at with electronic fuse	,
Dedicated sounder outputs	24V Fused at 500mA with electronic fuse	1.6 Amp total load over <u>all</u> . circuits
Zonal sounder outputs	24V rated at 200mA with electronic fuse	1.6 Amp total load over <u>all</u> . circuits
Alarm verification delay	30, 60 or 120 seconds	Configuarble
Fault relay contact rating	30VDC 1A Amp maximum for each	Maximum ratings not to be exceeded
Fire relay contact rating	30VDC 1A Amp maximum for each	Maximum ratings not to be exceeded
Local fire relay contact rating	30VDC 1A Amp maximum for each	Maximum ratings not to be exceeded
Zone quiescent current	4mA maximum	See table 4 for detector types
Terminal capacity	0.5mm ² to 2.5mm ² solid or stranded wire	71
Number of detectors per zone	Up to 20	
Number of sounders per common sounder	Dependent on type and current	See table 6 for sounder types
circuit	consumption	
Number of call points per zone	up to 20	
Detection circuit end of line	3K3 5% ½ Watt resistor	Supplied in terminals
Sounder circuit end of line	10K 5% ¼ Watt resistor	Supplied in terminals
No. of detection circuits	(see table 2 for number of zones for each model)	Dependent on model
SIL, AL, FLT, RST inputs	Switched -ve, max resistance 100 Ohms	
Cabling	FP200 or equivalent (maximum capacitance 1uF maximum inductance 1 millihenry)	Metal cable glands must be used

Table 2 - Standby battery capacity required for fully loaded system

Panel model	24 hours standby	48 hours standby	72 hours standby	Standby current	Max panel alarm current
FKEW2 (2 Zones)	3Ah	4.6Ah	6.2Ah	0.065	0.10A
FKEW4 (4 Zones)	3.3Ah	5.1Ah	6.9Ah	0.075	0.21A
FKEW8 (8 Zones)	3.75Ah	5.95Ah	8.2Ah	0.093A	0.55A

Table 3 - Battery charge voltage versus temperature

Temperature ^o C	Battery charge voltage
0	29.2
10	28.56
20	27.99
30	27.55
40	27.13

Table 4 - Compatible detectors

Model	Туре	Maximum Number per zone
FAPW2-OP	OPTICAL	20
FAPW2-R6	HEAT (A1R)	20
FAPW2-F84	HEAT (CS)	20

Table 5 - Compatible detector bases and call points

rabio o companible detector bacco ana can pointe		
Model	Туре	
FAPW2-ASB	AlarmSense mounting base	
FMFW2-800	AlarmSense manual call point	
	Max number per zone-20	

Table 6 - Compatible AlarmSense sounder bases and relay

Model	Туре	Maximum number per
		zone
FAPW2-BS24W	AlarmSense Sounder base	20
FAPW2-BSB24W	AlarmSense Sounder Beacon base	20
FAPW2-SB24R	Alarmsense Open Area Sounder	10
	Beacon	
FAPW2-S24R	Alarmsense Open Area sounder	10
FAPW2-B24R	Alarmsense Open Area Beacon	10
FAPW2-ALR	AlarmSense Alarm Relay	20
FAPW2-CBSW	Sounder base cap white	N/A
FAPW2-CBSR	Sounder base cap red	N/A

5. Control panel fascia

In addition to the mandatory controls and indications required by the EN54-2 standard, two, seven segment, LED displays and MODE, SELECT and ENTER buttons are provided to allow easy entry and storage of codes to configure the control panel to suit the requirements of the installation.

Removing the fascia

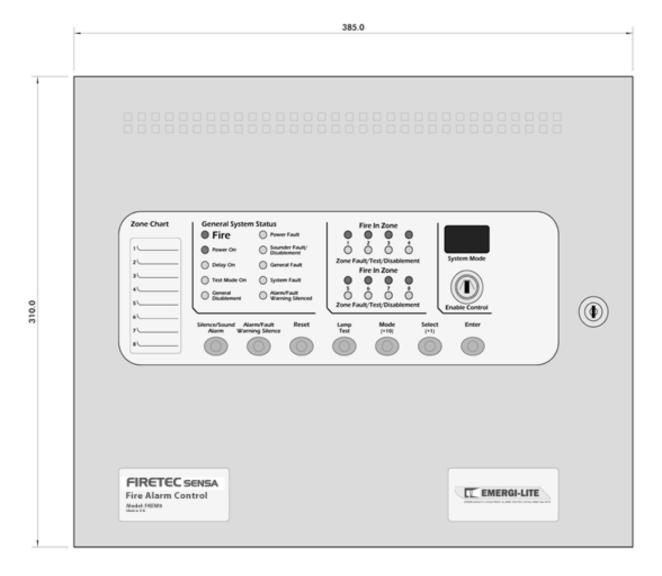
Before the fascia can be removed it will be necessary to unplug the three way terminal block on the left hand side of the PCB.

The fascia of the control panel is held in place by countersunk screws. Undo the two screws and lift the fascia gently away from the box towards you.

With the fascia removed there is much more room inside the panel for making off and dressing cables.

When cabling work is complete the fascia can be re-fitted with the two countersunk screws and the red, green/yellow and black wires re-connected to the three way terminal block.

It is most important that the polarity of the red and black wires is observed as wrong connection of these will damage the control panel.



6. Connecting to the circuit board

All connections for field wiring are to a single row of terminals along the top of the circuit board.

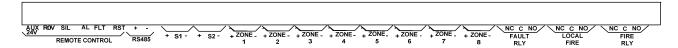
The connections for the power cables are to a pluggable terminal block, which may be pulled off of the board to remove the plate/PCB assembly. Remove this pluggable terminal only with mains power off.

Shielded fire alarm cable such as FP200 and metal cable glands must be used for all connections to the panel.

The resistance of any core of any cable must not exceed 25 ohms. The shield of the cable must be bonded securely to the enclosure via a metal gland.

Wiring should enter the enclosure at the top of the panel using the knockouts provided and be formed tidily to the appropriate terminals leaving only enough wire to ensure that there is no strain on the PCB.

Terminals are capable of accepting wires of up to 2.5mm².

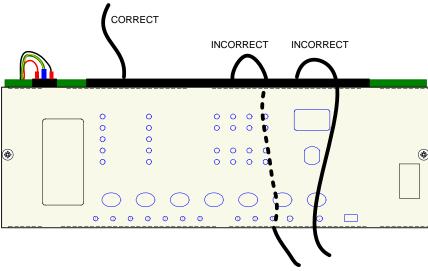


Terminal designations

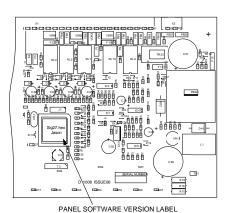
Wiring must not go across the front of the circuit board plate or between the plate and the circuit board.

If cable entries need to be in positions other than at the knockouts provided, wiring must be fed behind and well away from the surface of the circuit board.

The space at the bottom of the enclosure is largely occupied by the standby batteries, so this must be borne in mind when considering cable entries.



7. Software revision number



New features may be added to fire control panels from time to time and when this is done the operating software of the unit is updated. The software revision can be located on the main processor by removing the plate holding the PCB from the enclosure and turning it over. The software version will have a number such as "XXXX.hex" and it is this number, which will determine which features the panel has installed and its compatibility with Firetec ancillary board, sounders boards, repeaters etc.

8. Detection zone wiring

The detection zones provide a nominal 12V DC to power conventional Alarmsense detectors and call points as listed in the compatibility tables on page 6.

Note:

Only Alarmsense detection devices and call points are compatible.

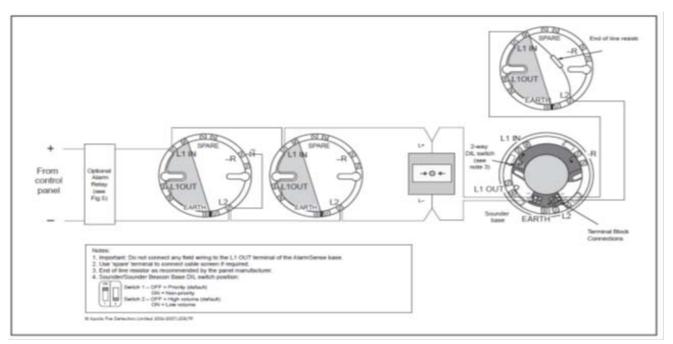
Kentec K14060 LCMU end of line monitoring devices are not compatible with Alarmsense panels.

To activate Alarmsense sounders connected to the zone wiring, the voltage is raised to 24V DC.

The wiring is monitored for open and short circuit fault conditions by removing the 3K3 end of line monitoring resistors that are supplied fitted to the control panels' terminals and placing them across the last device that is wired to the zone circuit.

Detection zone circuits must be wired as a single, radial circuit with no spurs or T junctions to enable the monitoring circuits to work correctly.

Alarmsense sounders must also be wired across the detection zone.



9. Priority/Non-priority alarm settings

Alarmsense sounder and sounder beacon bases can be set as priority or non-priority via switch 1 on the DIL switch in the base unit. When a sounder or sounder beacon base is set to non-priority, activation of a detector connected to the base will not cause the panel to enter the alarm condition and will only activate the sounder to which the detector is connected. After the configured alarm verification delay (30 seconds, 60 seconds or 120 seconds) the panel will reset the activated detector. If smoke is no longer present the system will revert to normal quiescent condition. If smoke is still present and the detector activates again a fire condition will be indicated at the control panel and all sounders will operate.

This functionality is particularly well suited to residential buildings such as Houses of Multiple Occupation because the alarm is restricted to the local area before it is verified thus minimising disruption due to false alarms. This allows compliance with the requirements of BS5839 part 6.

10. Standard Sounder circuit wiring

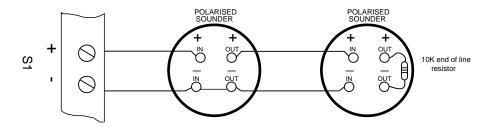
In addition to the ability to operate Alarmsense sounder and sounder beacons from the detection circuit, the control panel also has two standard sounder outputs which provide 24V DC upon any alarm. All sounders connected to these outputs must be of the polarised type. If non-polarised sounders are used, the control panel will permanently show a fault condition. See table 7 for a list of compatible sounder types.

Sounder circuits are monitored for open and short circuit faults by placing the 10K end of line monitoring resistor that is supplied fitted to the terminals in the control panel across the last sounder device on the circuit.

Sounder circuits must be wired as a single, radial circuit with no spurs or T junctions to enable the monitoring circuit to work correctly.

A maximum of 1.6 Amps is available for powering sounders including those connected to the detection zones with a maximum load of 0.41 Amps on any one of the standard sounder circuits described here.

The sounder circuits are protected by 500 milliamp fuses.



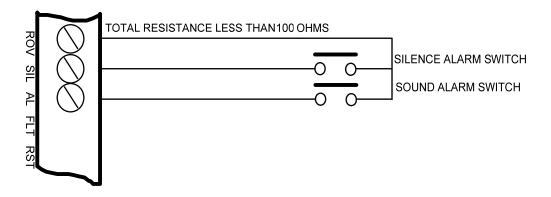
11. Connection to remote control terminals

Some functions of the control panel can be controlled externally from the panel if required. Operation of these inputs **must be restricted by an access level 2 control** as defined in EN54-2 These are abbreviated at the terminals block as follows:

- a) Remote 0 V supply ROV
- b) Silence Alarm SIL
- c) Sound Alarm AL
- d) Fault FLT
- e) Reset RST

To activate these inputs, the remote 0 Volt (R0V) supply must be connected to the input via a normally open switch or contact and via a resistance of no greater than 100 ohms.

All of the remote control inputs are non-latching.



12. Aux 24V DC supply

An auxiliary 24V DC supply is provided to enable local signalling or control of ancillary systems such as door release controllers.

The terminals for the Aux 24V supply are labelled Aux 24V and ROV. The ROV terminal is the negative terminal and is the same terminal that should be used to switch the remote control terminals.

It is possible to make the ROV terminal pulsing so that by connecting it to the AL terminal via a remote, volt free contact, it can be used to pulse the dedicated sounder circuits in response to a signal from another system for example to give an alert. See programming code 24.

The supply is fitted with an electronic self resetting fuse to protect the control panel's 24V supply in the event of a wiring fault.

Any standing load on the Aux 24V supply must be taken into account when calculating battery standby times as standby time will be significantly affected by even modest standing loads. It is recommended that the Aux24V output is **not** used to power standing loads and not used to supply loads of greater than 300 milliamps

Where the Aux 24V supply is used to power electromechanical devices such as relays or door retainers it is imperative that a suppression diode is fitted across the coil of the electromechanical device to prevent the generation of high voltage transients back to the control panels power supply.

The Aux 24V DC Supply is not suitable for powering Firetec sounder boards, a separate power supply should be used for these.

13. Connection to relay contacts

Volt free changeover relay contacts are provided for local control and signalling if required. These contacts are rated for switching signalling circuits only and the maximum ratings listed in table 1 on page 5 should not be exceeded under any circumstances.

Fault relay

The fault relay is normally energised and will de-energise upon any fault condition including total loss of power.

Local fire relay

The local fire relay will energise upon activation of a fire condition on any of the zones or pressing of the sound alarm button on the front panel. The relay will remain activated until the alarm is silenced or the panel is reset. This relay will not operate upon activation of the remote AL input or when a fire condition is triggered on a zone that is in test mode.

Fire relay

The fire relay will energise upon activation of a fire condition on any of the zones. The relay will remain activated until the control panel is reset. This relay will *NOT* operate upon activation of the remote AL input. Individual zones can be configured not to operate the Fire relay by setting configuration options E1 to E8.

14. Connection to Repeater panels

Repeater panels connect via a 2 core cable to the terminals marked RS485 + and – on the Firetec main control panel PCB. Up to 7 repeaters may be connected and each repeater has terminals for the incoming cables and outgoing cables. All except the last ancillary board, sounder board or repeater panel connected to the cable must have the jumper links J2 removed.

Set the repeater address using the DIP switch (SW7); ensure no two repeaters share the same address.

Apply power to main panel first and then all repeater panels. Turn on the Enable Control keyswitch and set the Write Enable switch to on then briefly press the PROCESSOR RESET button on the main panel. Wait for a few seconds and the main panel will show the addresses of the repeaters that were found on the display for instance r1 indicates that a repeater at address 1 has been found.

Turn the write enable switch off, then on again and then press the ENTER button to accept each repeater that has been found. When all repeaters have been added, set the main panel Write Enable switch to off. Press the Watchdog reset switch on the main panel.

All repeaters are now configured and the main control panel will report a fault if any repeaters that have been accepted become faulty or go off line.

For full details of commissioning procedures for repeaters see the Firetec Repeater Operation and maintenance manual.

15. Connection to Ancillary boards

Ancillary boards connect via a 2 core cable to the terminals marked RS485 + and - on the Firetec main control panel PCB. Up to 7 Ancillary boards may be connected and each board has terminals for the incoming cables and outgoing cables. All except the last ancillary board, sounder board or repeater panel connected to the cable must have the jumper links J2 removed.

Set the ancillary board address using the DIP switch (SW7); ensure no two ancillary boards share the same address. Apply power to main panel first and then all ancillary boards. Turn on the Enable Control keyswitch and set the Write Enable switch to on then briefly press the PROCESSOR RESET button on the main panel. Wait for a few seconds and the main panel will show the addresses of the ancillary boards that were found on the display for instance 01 indicates that an ancillary board at address 1 has been found.

Turn the write enable switch off, then on again and then press the ENTER button to accept each ancillary board that has been found. When all ancillary boards have been added, set the main panel Write Enable switch to off. Press the Watchdog reset switch on the main panel.

All ancillary boards are now configured and the main control panel will report a fault if any ancillary boards that have been accepted become faulty or go off line.

For full details of commissioning procedures for ancillary boards see the Firetec CP Ancillary board Operation and maintenance manual.

16. Connection to 8 way Sounder boards

Sounder boards connect via a 2 core cable to the terminals marked RS485 + and - on the Firetec CP main control panel PCB. Up to 7 Sounder boards may be connected and each board has terminals for the incoming cables and outgoing cables. All except the last Ancillary board, Sounder board or Repeater connected to the cable must have the jumper links J2 removed. Sounder boards must be powered from a separate power supply which is suitably rated to supply the full sounder load that is connected. This can be up to 4 Amps if all circuits are fully loaded.

Set the sounder board address using the DIP switch (SW7); ensure no two sounder boards share the same address. Apply power to main panel first and then all sounder boards. Turn on the Enable Control keyswitch and set the Write Enable switch to on then briefly press the PROCESSOR RESET button on the main panel. Wait for a few seconds and the main panel will show the addresses of the sounder boards that were found on the display for instance b1 indicates that a sounder board at address 1 has been found.

Turn the write enable switch off, then on again and then press the ENTER button to accept each sounder board that has been found. When all sounder boards have been added, set the main panel Write Enable switch to off. Press the Watchdog reset switch on the main panel.

All sounder boards are now configured and the main control panel will report a fault if any sounder boards that have been accepted become faulty or go off line.

For full details of commissioning procedures for Sounder boards see the Firetec CP Sounder board Operation and maintenance manual.

17. Panel operation

17.1 Normal condition

Under normal conditions, control panels will have only the green, Power On LED lit.

17.2 Fire condition (sounders set to priority alarm)

Upon receipt of a fire condition by activation of a detector or call point, the *Common Fire* indicator will light and the zonal *Fire* indicators will flash at around 2Hz. The zonal indicators can be used to differentiate call point and detector activation by setting configuration option 28. If option 28 is set, and a call point is operated, the zonal indicator will flash and if a detector is operated it will illuminate continuously.

The internal fire and local fire relays will also operate and signal any systems to which they are connected.

Any sounders connected to the detection zones or standard sounder circuits will operate in common, zonal or 2-stage mode as selected by configuration options 10 to 12 (see table 8).

17.3 Fire condition (sounders set to non-priority alarm)

Upon receipt of a fire condition by activation of a detector, the sounder or sounder beacon to which the detector is connected will sound. After two minutes, the control panel will reset the detector. If the detector is successfully reset the panel will revert to the Normal condition. If the detector re-enters the alarm state, sounders and relays connected to the detection zones will operate in common, zoned or two stage alarm mode depending on the setting of configuration options 10 to 12 (see table 8), the internal fire and local fire relays will operate and the two standard 24V sounder outputs will operate.

17.4 Silence/sound alarms

The Silence/Sound alarm button can only be operated at access level two which means that the Enable Control key must be inserted.

To silence the sounders, insert the Enable Control key and press the Silence/Sound alarm button.

When the sounders have been silenced, the Zone Fire LEDs will change from flashing to a steady state.

Pressing the Silence/Sound alarm whilst the control panel is in this silenced condition, will cause the sounders to operate again.

The sounders can be toggled on and off with the Silence/Sound alarm button as required.

17.5 Reset

To reset the panel, insert the Enable key then press the Reset button.

17.6 Zone fault

Removal of a detector from its base or a fault on any of the zone wiring will cause the *Fault* LED and *Zone Fault* LEDs to light indicating the zone in which the fault has occurred. All devices that are connected beyond the point where a detector is removed from its base will continue to operate.

17.7 Sounder fault

A fault on the wiring to detection zones and sounder circuits will cause the *Fault* and *Sounder Fault* LEDs to light indicating a fault on the wiring to the sounder circuits.

17.8 Power fault

Failure of the mains power, disconnection of the standby battery or high impedance in the charging circuit will cause the *Fault* and *Power Fault* LEDs to light indicating an abnormality in the power supply to the control panel.

17.9 System fault

The System Fault LED will light if the configuration memory has not been set or has become corrupt.

17.10 Lamp test

All LED indicators can be tested at any time by pressing the *Lamp Test* button. The *Enable Control* key does not need to be inserted to test the indicators.

The buzzer can be silenced at any time by pressing the *Buzzer Silence* button. The enable key does not need to be inserted to silence the buzzer.

17.11 Disablements

It is possible to disable parts of the system. This may be required if there are works going on in a building which may cause the fire alarm system to operate in error.

17.11.1 Disable zones

To disable zones, the *Enable Control* key should be inserted and the mode button pressed until "d" appears in the first of the two seven segment LED displays. The *Select* button should then be pressed to select the number of the zone which Man-1138EL_Firetec_Sense_01 Page 13 of 22

is to be disabled in the second of the two seven segment displays. Once the desired zone is displayed, the enter button should be pressed to confirm the disablement.

The *Disable* LED will light and the *Zone Fault* LED will light for each disabled zone.

When is a zone is disabled, all detectors, call points and sounders in the zone will be disabled.

A disabled zone is shown on the seven segment display as 'dx.' (where x is the zone number from 1-8). If the 'x' is flashing, it means that there are activated devices in that zone and re-enabling it will put the control panel into the fire condition.

The panel should be Reset before enabling any zone with a flashing "dx." Indication.

Note: The flashing "dx" indicator will only appear on panels produced after January 2013.

17.11.2 Disable sounders

To disable sounder outputs, press the mode button to select "db" on the seven segment display. Pressing enter will disable all sounders and cause the *Disable* and *Sounder Fault* LEDs to light.

17.11.3 Activate delays

To activate delays on zones as set in configuration options 31 to 48, press the mode button until Ad appears on the seven segment LED display. When the enter button is pressed any zones that are set as delayed will have their alarm outputs delayed by the time set in configuration options 00 to 09.

17.11.4 Disable fault contact

The fault relay can be disabled by selecting configuration option 22.

17.12 Test mode

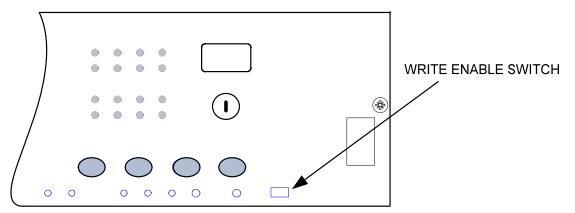
Fire alarm systems must be tested regularly to ensure that they are functioning correctly. The Firetec range of panels enable the system to be tested single handed by using a test mode. When in test mode, activation of a fire alarm will be automatically reset after a few seconds to eliminate the need to return to the control panel to reset after every activation.

Test mode is entered in a similar way to disablements. With the *Enable Control* key inserted, press the *Mode* button until "t" appears in the first of the seven segment displays. Then press the *Select* button until the required zone number appears. Pressing the *Enter* button will cause the *Test* and *Zone Fault* LEDs to illuminate indicating the zones which are in test mode.

Disablements and zone tests are cleared by repeating the sequence that is used to select them, i.e. the "db" function (for example) toggles between sounders disabled and sounders enabled.

18. Configuration options

The panel range has many configuration options which can be set at the time of commissioning to suit the requirements of the installation. These options are normally set once and will rarely need to change. The configuration options are only available at access level 3. To get to access level 3, CAREFULLY slide the Write Enable switch (located behind the aperture in the panel plate) to the right position using a small screwdriver or similar. When the panel is at access level 3, the buzzer will "pip" three times every few seconds as an indication that it is at this access level.



Configuration options are simple to enter using the codes in table 8 below. When the control panel is at access level 3, the sub-text of the Mode and Select buttons is used to enter a number using tens (+10) and units (+1).

When the required code number is displayed, pressing the enter button will cause the dot on the units, seven segment display to flash. This indicates that a configuration option has been set.

To review which configuration options have been set previously, simply scroll through numbers 1 to 99, A1 to A8, C1 to C8 and E1 to E8 and those with a flashing dot indicate which options have been set.

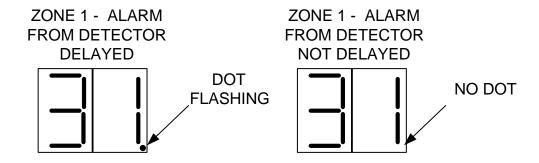


Table 8 – Configuration codes

COD	FUNCTION	COMMENTS
E	FUNCTION	COMMENTS
LO	NON-PRIORITY ALARM CONFORMATION TIME	Sets time before detector resets and checks if smoke still
	30S	present at detector.
L1	NON-PRIORITY ALARM CONFORMATION TIME	'
	60S	
L2	NON-PRIORITY ALARM CONFORMATION TIME	
	120S	
00	SOUNDER DELAY TIME = 30 SECONDS	Sets the time delay before sounders operate in
01	SOUNDER DELAY TIME = 1 MINUTE	combination with configuration codes 31 to 48 and access
02	SOUNDER DELAY TIME = 2 MINUTES	level 2 function AD.
03	SOUNDER DELAY TIME = 3 MINUTES	
04	SOUNDER DELAY TIME = 4 MINUTES	
05	SOUNDER DELAY TIME = 5 MINUTES	
06	SOUNDER DELAY TIME = 6 MINUTES	
07	SOUNDER DELAY TIME = 7 MINUTES	
08	SOUNDER DELAY TIME = 8 MINUTES	
09	SOUNDER DELAY TIME = 9 MINUTES	
10	COMMON ALARM MODE (default)	All sounders operate upon any fire condition
11	TWO-STAGE ALARM MODE	Continuous sounders in activated zone, pulsing elsewhere
12	ZONED ALARM MODE	Only sounders connected to zone in alarm operate
21 *	DICADLE FIDE DUZZED	Discountification of the condition
21*	DISABLE FIRE BUZZER	Buzzer will not operate on fire condition
22*	DISABLE FAULT OUTPUT	Fault relay will not operate except upon total power failure
23	DISABLE EARTH FAULT MONITORING	Connection of fire alarm wiring to earth will not announce
24	PULSED REMOTE CONTROL OUTPUT	a fault Aux 24V supply pulses 1 sec on/1 sec off
	POLSED REMOTE CONTROL OUTPUT	Aux 24V supply pulses 1 sec on/1 sec on
26	DISABLE FIRE OUTPUT	Fire relay will not operate upon any alarm
27	REMOVE AUX 24 UPON PANEL RESET	24V supply switches off for about 5 seconds when panel is
	NEW TENON ET OF ON TANKE REDET	reset
28	INDICATE CALL POINT ACTIVATION	Activation of an AlarmSense call point is indicated by a
		flashing zone indicator and "Pu" on the 7 segment display.
		Activation of a detector will be indicated by a steady zone
		indicator and nothing on the 7 segment display.
29	DO NOT RE-SOUND ALARMS FROM ANOTHER	Silenced sounders will not re-sound upon further zone
	ZONE	activations
31	ZONE 1 ALARM FROM DETECTOR DELAYED	Sounder outputs will be delayed by time set at options
32	ZONE 2 ALARM FROM DETECTOR DELAYED	0-9 when selected zone(s) triggered by detector only.
33	ZONE 3 ALARM FROM DETECTOR DELAYED	Note: Access level 2 function Ad must be set for this to
34	ZONE 4 ALARM FROM DETECTOR DELAYED	take effect.
35	ZONE 5 ALARM FROM DETECTOR DELAYED	

30. ZONE O ALARM FROM DETECTOR DELAYED 37. ZONE JARAM FROM DETECTOR DELAYED 38. ZONE O ALARM FROM CALL POINT DELAYED 49. ZONE JARAM FROM CALL POINT DELAYED 40. ZONE JARAM FROM CALL POINT DELAYED 41. ZONE JARAM FROM CALL POINT DELAYED 42. ZONE JARAM FROM CALL POINT DELAYED 43. ZONE JARAM FROM CALL POINT DELAYED 44. ZONE JARAM FROM CALL POINT DELAYED 45. ZONE SALAMM FROM CALL POINT DELAYED 46. ZONE SALAMM FROM CALL POINT DELAYED 47. ZONE JARAM FROM CALL POINT DELAYED 48. ZONE JARAM FROM CALL POINT DELAYED 49. ZONE JARAM FROM CALL POINT DELAYED 40. ZONE JARAM FROM CALL POINT DELAYED 41. ZONE JARAM FROM CALL POINT DELAYED 42. ZONE JARAM FROM CALL POINT DELAYED 43. ZONE JARAM FROM CALL POINT DELAYED 44. ZONE JARAM FROM CALL POINT DELAYED 45. ZONE JARAM FROM CALL POINT DELAYED 46. ZONE JARAM FROM CALL POINT DELAYED 47. ZONE JARAM FROM CALL POINT DELAYED 48. ZONE JARAM FROM CALL POINT DELAYED 49. ZONE JARAM FROM CALL POINT DELAYED 40. ZONE JARAM FROM CALL POINT DELAYED 40. ZONE JARAM FROM CALL POINT DELAYED 41. ZONE JARAM FROM CALL POINT DELAYED 42. ZONE JARAM FROM CALL POINT DELAYED 43. ZONE JARAM FROM CALL POINT DELAYED 44. ZONE JARAM MODE ZONE J 45. COINCIDENCE ZONE J 46. FULL ALARM MODE ZONE J 47. ZONE JARAM FROM CALL POINT DELAYES 48. ZONE JARAM FROM CALL POINT DELAYES 49. ZONE JARAM FROM CALL POINT DELAYES 40. ZONE JARAM FROM CAL		ZONE 6 ALARM FROM DETECTOR DELAYED	
ZONE 9 ALARM FROM CELL POINT DELAYED	-		-
41 ZONE 1 ALARM REOM CALL POINT DELAYED 42 ZONE 2 ALARM REOM CALL POINT DELAYED 43 ZONE 3 ALARM REOM CALL POINT DELAYED 44 ZONE 3 ALARM REOM CALL POINT DELAYED 45 ZONE 5 ALARM REOM CALL POINT DELAYED 46 ZONE 6 ALARM REOM CALL POINT DELAYED 47 ZONE 7 ALARM REOM CALL POINT DELAYED 48 ZONE 8 ALARM REOM CALL POINT DELAYED 49 ZONE 8 ALARM REOM CALL POINT DELAYED 49 ZONE 8 ALARM REOM CALL POINT DELAYED 40 ZONE 8 ALARM REOM CALL POINT DELAYED 41 ZONE 7 ALARM REOM CALL POINT DELAYED 42 ZONE 8 ALARM REOM CALL POINT DELAYED 43 ZONE 8 ALARM REOM CALL POINT DELAYED 44 ZONE 8 ALARM REOM CALL POINT DELAYED 45 ZONE CONCIDENCE ZONE 1 55 ZONICIDENCE ZONE 2 56 ZONICIDENCE ZONE 4 57 COLINCIDENCE ZONE 4 58 COINCIDENCE ZONE 6 59 COINCIDENCE ZONE 8 50 COINCIDENCE ZONE 8 51 COLINCIDENCE ZONE 8 52 COINCIDENCE ZONE 8 53 COINCIDENCE ZONE 8 54 FULL ALARM MODE ZONE 1 55 COINCIDENCE ZONE 8 56 FULL ALARM MODE ZONE 1 57 FULL ALARM MODE ZONE 2 58 FULL ALARM MODE ZONE 8 59 FULL ALARM MODE ZONE 8 50 FULL ALARM MODE ZONE 8 50 FULL ALARM MODE ZONE 8 51 FULL ALARM MODE ZONE 8 52 FOR SHORT CIRCUIT INDICATES ALARM 72 ZONE 3 SHORT CIRCUIT INDICATES ALARM 73 ZONE 3 SHORT CIRCUIT INDICATES ALARM 74 ZONE 4 SHORT CIRCUIT INDICATES ALARM 75 ZONE 5 SHORT CIRCUIT INDICATES ALARM 76 ZONE 6 SHORT CIRCUIT INDICATES ALARM 77 ZONE 7 SHORT CIRCUIT INDICATES ALARM 78 ZONE 8 SHORT CIRCUIT INDICATES ALARM 78 ZONE 8 SHORT CIRCUIT INDICATES ALARM 78 ZONE 8 SHORT CIRCUIT INDICATES ALARM 78 ZONE 9 SONL-LATCHING 79 ZONE 7 SONL-LATCHING 79 ZONE 7 SONL-LATCHING 70 ZONE 7 SONL-LATCHING 70 ZONE 7 SONL-LATCHING 70 ZONE 7 SONL-LATCHING 71 ZONE 1 DOES NOT SOUND ALARMS 72 ZONE 9 DOES NOT SOUND ALARMS 73 ZONE 9 DOES NOT SOUND ALARMS 74 ZONE 9 DOES NOT SOUND ALARMS 75 ZONE 9 DOES NOT SOUND ALARMS 75 ZONE 9 DOES NOT SOUND ALARMS 76 ZONE 9 DOES NOT SOUND ALARMS 77 ZONE 1 SAY ALARM DELAYED 70 ZONE 7 DOES NOT SOUND ALARMS 78 ZONE 9 DOES NOT SOUND ALARMS 79 ZONE 9 SAY ALARM DELAYED 70 ZONE 9 SAY ALARM D	37		
41 ZONE 1 ALARM REOM CALL POINT DELAYED 42 ZONE 2 ALARM REOM CALL POINT DELAYED 43 ZONE 3 ALARM REOM CALL POINT DELAYED 44 ZONE 3 ALARM REOM CALL POINT DELAYED 45 ZONE 5 ALARM REOM CALL POINT DELAYED 46 ZONE 6 ALARM REOM CALL POINT DELAYED 47 ZONE 7 ALARM REOM CALL POINT DELAYED 48 ZONE 8 ALARM REOM CALL POINT DELAYED 49 ZONE 8 ALARM REOM CALL POINT DELAYED 49 ZONE 8 ALARM REOM CALL POINT DELAYED 40 ZONE 8 ALARM REOM CALL POINT DELAYED 41 ZONE 7 ALARM REOM CALL POINT DELAYED 42 ZONE 8 ALARM REOM CALL POINT DELAYED 43 ZONE 8 ALARM REOM CALL POINT DELAYED 44 ZONE 8 ALARM REOM CALL POINT DELAYED 45 ZONE CONCIDENCE ZONE 1 55 ZONICIDENCE ZONE 2 56 ZONICIDENCE ZONE 4 57 COLINCIDENCE ZONE 4 58 COINCIDENCE ZONE 6 59 COINCIDENCE ZONE 8 50 COINCIDENCE ZONE 8 51 COLINCIDENCE ZONE 8 52 COINCIDENCE ZONE 8 53 COINCIDENCE ZONE 8 54 FULL ALARM MODE ZONE 1 55 COINCIDENCE ZONE 8 56 FULL ALARM MODE ZONE 1 57 FULL ALARM MODE ZONE 2 58 FULL ALARM MODE ZONE 8 59 FULL ALARM MODE ZONE 8 50 FULL ALARM MODE ZONE 8 50 FULL ALARM MODE ZONE 8 51 FULL ALARM MODE ZONE 8 52 FOR SHORT CIRCUIT INDICATES ALARM 72 ZONE 3 SHORT CIRCUIT INDICATES ALARM 73 ZONE 3 SHORT CIRCUIT INDICATES ALARM 74 ZONE 4 SHORT CIRCUIT INDICATES ALARM 75 ZONE 5 SHORT CIRCUIT INDICATES ALARM 76 ZONE 6 SHORT CIRCUIT INDICATES ALARM 77 ZONE 7 SHORT CIRCUIT INDICATES ALARM 78 ZONE 8 SHORT CIRCUIT INDICATES ALARM 78 ZONE 8 SHORT CIRCUIT INDICATES ALARM 78 ZONE 8 SHORT CIRCUIT INDICATES ALARM 78 ZONE 9 SONL-LATCHING 79 ZONE 7 SONL-LATCHING 79 ZONE 7 SONL-LATCHING 70 ZONE 7 SONL-LATCHING 70 ZONE 7 SONL-LATCHING 70 ZONE 7 SONL-LATCHING 71 ZONE 1 DOES NOT SOUND ALARMS 72 ZONE 9 DOES NOT SOUND ALARMS 73 ZONE 9 DOES NOT SOUND ALARMS 74 ZONE 9 DOES NOT SOUND ALARMS 75 ZONE 9 DOES NOT SOUND ALARMS 75 ZONE 9 DOES NOT SOUND ALARMS 76 ZONE 9 DOES NOT SOUND ALARMS 77 ZONE 1 SAY ALARM DELAYED 70 ZONE 7 DOES NOT SOUND ALARMS 78 ZONE 9 DOES NOT SOUND ALARMS 79 ZONE 9 SAY ALARM DELAYED 70 ZONE 9 SAY ALARM D	38	ZONE 8 ALARM FROM DETECTOR DELAYED	
42 ZONE 2 ALARM FROM CALL POINT DELAYED 43 ZONE 3 ALARM FROM CALL POINT DELAYED 44 ZONE 4 ALARM FROM CALL POINT DELAYED 45 ZONE 5 ALARM FROM CALL POINT DELAYED 46 ZONE 6 ALARM FROM CALL POINT DELAYED 47 ZONE 7 ALARM FROM CALL POINT DELAYED 48 ZONE 8 ALARM FROM CALL POINT DELAYED 48 ZONE 8 ALARM FROM CALL POINT DELAYED 49 ZONE 1 ALARM FROM CALL POINT DELAYED 40 ZONE 1 ALARM FROM CALL POINT DELAYED 41 ZONE 7 ALARM FROM CALL POINT DELAYED 42 ZONE DIEDEC ZONE 2 43 ZONE 8 ALARM FROM CALL POINT DELAYED 45 ZONE DIEDEC ZONE 2 53 COINCIDENCE ZONE 2 54 COINCIDENCE ZONE 3 55 COINCIDENCE ZONE 3 56 COINCIDENCE ZONE 4 57 COINCIDENCE ZONE 5 58 COINCIDENCE ZONE 7 59 COINCIDENCE ZONE 7 50 COINCIDENCE ZONE 7 50 COINCIDENCE ZONE 7 50 COINCIDENCE ZONE 8 51 FULL ALARM MODE ZONE 7 52 FULL ALARM MODE ZONE 7 53 COINCIDENCE ZONE 8 54 COINCIDENCE ZONE 8 55 COINCIDENCE ZONE 8 56 FULL ALARM MODE ZONE 8 57 COINCIDENCE ZONE 8 58 FULL ALARM MODE ZONE 8 59 COINCIDENCE ZONE 8 50 COINCIDENCE ZONE 8 50 COINCIDENCE ZONE 8 51 COINCIDENCE ZONE 8 51 COINCIDENCE ZONE 8 52 COINCIDENCE ZONE 8 53 COINCIDENCE ZONE 8 54 FULL ALARM MODE ZONE 8 55 COINCIDENCE ZONE 8 56 FULL ALARM MODE ZONE 8 57 ZONE 5 SHORT CIRCUIT INDICATES ALARM 73 ZONE 3 SHORT CIRCUIT INDICATES ALARM 73 ZONE 5 SHORT CIRCUIT INDICATES ALARM 73			
42 ZONE 2 ALARM FROM CALL POINT DELAYED 43 ZONE 3 ALARM FROM CALL POINT DELAYED 44 ZONE 4 ALARM FROM CALL POINT DELAYED 45 ZONE 5 ALARM FROM CALL POINT DELAYED 46 ZONE 6 ALARM FROM CALL POINT DELAYED 47 ZONE 7 ALARM FROM CALL POINT DELAYED 48 ZONE 8 ALARM FROM CALL POINT DELAYED 48 ZONE 8 ALARM FROM CALL POINT DELAYED 49 ZONE 1 ALARM FROM CALL POINT DELAYED 40 ZONE 1 ALARM FROM CALL POINT DELAYED 41 ZONE 7 ALARM FROM CALL POINT DELAYED 42 ZONE DIEDEC ZONE 2 43 ZONE 8 ALARM FROM CALL POINT DELAYED 45 ZONE DIEDEC ZONE 2 53 COINCIDENCE ZONE 2 54 COINCIDENCE ZONE 3 55 COINCIDENCE ZONE 3 56 COINCIDENCE ZONE 4 57 COINCIDENCE ZONE 5 58 COINCIDENCE ZONE 7 59 COINCIDENCE ZONE 7 50 COINCIDENCE ZONE 7 50 COINCIDENCE ZONE 7 50 COINCIDENCE ZONE 8 51 FULL ALARM MODE ZONE 7 52 FULL ALARM MODE ZONE 7 53 COINCIDENCE ZONE 8 54 COINCIDENCE ZONE 8 55 COINCIDENCE ZONE 8 56 FULL ALARM MODE ZONE 8 57 COINCIDENCE ZONE 8 58 FULL ALARM MODE ZONE 8 59 COINCIDENCE ZONE 8 50 COINCIDENCE ZONE 8 50 COINCIDENCE ZONE 8 51 COINCIDENCE ZONE 8 51 COINCIDENCE ZONE 8 52 COINCIDENCE ZONE 8 53 COINCIDENCE ZONE 8 54 FULL ALARM MODE ZONE 8 55 COINCIDENCE ZONE 8 56 FULL ALARM MODE ZONE 8 57 ZONE 5 SHORT CIRCUIT INDICATES ALARM 73 ZONE 3 SHORT CIRCUIT INDICATES ALARM 73 ZONE 5 SHORT CIRCUIT INDICATES ALARM 73	4.1	ZONE 1 ALADM FROM CALL POINT DELAYER	Carrada and a substitute and brother and a substitute
42 ZONE 3 ALARM FROM CALL POINT DELAYED 45 ZONE 5 ALARM FROM CALL POINT DELAYED 46 ZONE 6 ALARM FROM CALL POINT DELAYED 47 ZONE 7 ALARM FROM CALL POINT DELAYED 48 ZONE 8 ALARM FROM CALL POINT DELAYED 48 ZONE 8 ALARM FROM CALL POINT DELAYED 49 ZONE 7 ALARM FROM CALL POINT DELAYED 49 ZONE 8 ALARM FROM CALL POINT DELAYED 40 ZONE 0 ALARM FROM CALL POINT DELAYED 51 COINCIDENCE ZONE 1 52 COINCIDENCE ZONE 2 53 COINCIDENCE ZONE 2 54 COINCIDENCE ZONE 3 55 COINCIDENCE ZONE 4 55 COINCIDENCE ZONE 4 55 COINCIDENCE ZONE 6 56 COINCIDENCE ZONE 6 57 COINCIDENCE ZONE 8 58 COINCIDENCE ZONE 8 59 COINCIDENCE ZONE 8 50 COINCIDENCE ZONE 8 51 FULL ALARM MODE ZONE 1 52 FULL ALARM MODE ZONE 1 53 FULL ALARM MODE ZONE 1 54 FULL ALARM MODE ZONE 1 55 FULL ALARM MODE ZONE 8 56 FULL ALARM MODE ZONE 8 57 FULL ALARM MODE ZONE 8 58 FULL ALARM MODE ZONE 8 59 FULL ALARM MODE ZONE 8 50 FULL ALARM MODE ZONE 9 50 FULL ALARM MODE ZONE 8 50 FULL ALARM MODE ZONE 9 50 FULL ALARM MODE			
45 ZONE 5 ALARM FROM CALL POINT DELAYED 46 ZONE 6 ALARM FROM CALL POINT DELAYED 47 ZONE 7 ALARM FROM CALL POINT DELAYED 48 ZONE 8 ALARM FROM CALL POINT DELAYED 48 ZONE 8 ALARM FROM CALL POINT DELAYED 48 ZONE 8 ALARM FROM CALL POINT DELAYED 49 ZONE 1 ALARM FROM CALL POINT DELAYED 49 ZONE 1 ALARM FROM CALL POINT DELAYED 40 ZONE 2 CONCIDENCE ZONE 2 51 COINCIDENCE ZONE 3 52 COINCIDENCE ZONE 3 53 COINCIDENCE ZONE 3 54 COINCIDENCE ZONE 5 55 COINCIDENCE ZONE 5 56 COINCIDENCE ZONE 5 57 COINCIDENCE ZONE 7 58 COINCIDENCE ZONE 7 59 COINCIDENCE ZONE 7 50 COINCIDENCE ZONE 8 51 FULL ALARM MODE ZONE 7 52 COINCIDENCE ZONE 8 53 FULL ALARM MODE ZONE 7 54 FULL ALARM MODE ZONE 8 55 FULL ALARM MODE ZONE 8 56 FULL ALARM MODE ZONE 8 57 FULL ALARM MODE ZONE 8 58 FULL ALARM MODE ZONE 8 59 FULL ALARM MODE ZONE 8 50 FULL ALARM MO	42	ZONE 2 ALARM FROM CALL POINT DELAYED	
45 ZONE 5 ALARM FROM CALL POINT DELAYED 46 ZONE 6 ALARM FROM CALL POINT DELAYED 47 ZONE 7 ALARM FROM CALL POINT DELAYED 48 ZONE 8 ALARM FROM CALL POINT DELAYED 48 ZONE 8 ALARM FROM CALL POINT DELAYED 48 ZONE 8 ALARM FROM CALL POINT DELAYED 51 COINCIDENCE ZONE 1 52 COINCIDENCE ZONE 2 53 COINCIDENCE ZONE 3 54 COINCIDENCE ZONE 3 55 COINCIDENCE ZONE 3 56 COINCIDENCE ZONE 5 56 COINCIDENCE ZONE 5 57 COINCIDENCE ZONE 5 58 COINCIDENCE ZONE 6 59 COINCIDENCE ZONE 7 59 COINCIDENCE ZONE 7 50 COINCIDENCE ZONE 7 50 COINCIDENCE ZONE 7 50 COINCIDENCE ZONE 8 51 COINCIDENCE ZONE 8 52 COINCIDENCE ZONE 8 53 COINCIDENCE ZONE 9 54 COINCIDENCE ZONE 9 55 COINCIDENCE ZONE 9 56 COINCIDENCE ZONE 9 57 COINCIDENCE ZONE 9 58 COINCIDENCE ZONE 9 59 COINCIDENCE ZONE 9 50 COINCIDENCE ZONE 9 50 COINCIDENCE ZONE 9 51 COINCIDENCE ZONE 9 52 COINCIDENCE ZONE 9 53 COINCIDENCE ZONE 9 54 COINCIDENCE ZONE 9 55 COINCIDENCE ZONE 9 56 COINCIDENCE ZONE 9 57 COINCIDENCE ZONE 9 58 COINCIDENCE ZONE 9 59 FULL ALARM MODE ZONE 7 50 FULL ALARM MODE ZONE 2 50 FULL ALARM MODE ZONE 9 50 FULL ALARM MODE ZONE 9 50 FULL ALARM MODE ZONE 9 51 FULL ALARM MODE ZONE 9 52 FULL ALARM MODE ZONE 9 53 CONE 3 SHORT CIRCUIT INDICATES ALARM 73 CONE 9 SHORT CIRCUIT INDICATES ALARM 77 CONE 7 SHORT CI	43	ZONE 3 ALARM FROM CALL POINT DELAYED	Note access level 2 function Ad must be set for this to take
46 ZONE 6 ALARM FROM CALL POINT DELAYED 47 ZONE 7 ALARM FROM CALL POINT DELAYED 48 ZONE 8 ALARM FROM CALL POINT DELAYED 49 ZONE 8 ALARM FROM CALL POINT DELAYED 40 ZONE 8 ALARM FROM CALL POINT DELAYED 51 COINCIDENCE ZONE 2 53 COINCIDENCE ZONE 2 53 COINCIDENCE ZONE 4 55 COINCIDENCE ZONE 4 55 COINCIDENCE ZONE 4 55 COINCIDENCE ZONE 6 57 COINCIDENCE ZONE 6 58 COINCIDENCE ZONE 6 59 COINCIDENCE ZONE 8 60 FULL ALARM MODE ZONE 1 62 FULL ALARM MODE ZONE 1 63 FULL ALARM MODE ZONE 1 64 FULL ALARM MODE ZONE 1 65 FULL ALARM MODE ZONE 8 66 FULL ALARM MODE ZONE 8 67 FULL ALARM MODE ZONE 8 68 FULL ALARM MODE ZONE 8 69 FULL ALARM MODE ZONE 8 60 FULL ALARM MODE ZONE 8 61 FULL ALARM MODE ZONE 8 62 FULL ALARM MODE ZONE 8 63 FULL ALARM MODE ZONE 8 64 FULL ALARM MODE ZONE 8 65 FULL ALARM MODE ZONE 8 66 FULL ALARM MODE ZONE 8 67 FULL ALARM MODE ZONE 8 68 FULL ALARM MODE ZONE 8 69 FULL ALARM MODE ZONE 8 60 FULL ALARM MODE ZONE 9 61 FUNCTION COMMENTS 62 FULL ALARM MODE ZONE 9 63 FULL ALARM MODE ZONE 9 64 FULL ALARM MODE ZONE 9 65 FULL ALARM MODE ZONE 9 66 FULL ALARM MODE ZONE 9 66 FULL ALARM MODE ZONE 9 67 FULL ALARM MODE ZONE 9 68 FULL ALARM MODE ZONE 9 68 FULL ALARM MODE ZONE 9 69 FUNCTION COMMENTS 60 FULL ALARM MODE ZONE 9 61 FULL ALARM MODE ZONE 9 62 FULL ALARM MODE ZONE 9 63 FULL ALARM MODE ZONE 9 64 FULL ALARM MODE ZONE 9 65 FULL ALARM MODE ZONE 9 66 FULL ALARM MODE ZONE 9 67 FULL ALARM MODE ZONE 9 68 FULL ALARM MODE ZONE 9 69 FUNCTION COMMENTS 60 FULL ALARM MODE ZONE 9	-		
46 ZONE 6 ALARM FROM CALL POINT DELAYED 47 ZONE 7 ALARM FROM CALL POINT DELAYED 48 ZONE 8 ALARM FROM CALL POINT DELAYED 49 ZONE 8 ALARM FROM CALL POINT DELAYED 51 COINCIDENCE ZONE 1 ZONE COINCIDENCE ZONE 2 52 COINCIDENCE ZONE 3 54 COINCIDENCE ZONE 5 55 COINCIDENCE ZONE 5 55 COINCIDENCE ZONE 6 57 COINCIDENCE ZONE 6 57 COINCIDENCE ZONE 7 58 COINCIDENCE ZONE 8 56 COINCIDENCE ZONE 8 57 COINCIDENCE ZONE 8 61 FULL ALARM MODE ZONE 1 ZONE MILL ALARM MODE ZONE 2 ZONE WILL ALARM MODE ZONE 3 64 FULL ALARM MODE ZONE 3 ZONE MILL ALARM MODE ZONE 5 65 FULL ALARM MODE ZONE 5 ZONE 6 ZONE MILL ALARM MODE ZONE 5 66 FULL ALARM MODE ZONE 6 ZONE 6 ZONE MILL ALARM MODE ZONE 6 ZONE MILL ALARM MODE ZONE 7 68 FULL ALARM MODE ZONE 8 ZONE SONE 7 ZONE 5 SHORT CIRCUIT INDICATES ALARM ZONE 4 SHORT CIRCUIT INDICATES ALARM ZONE 6 SHORT CIRCUIT INDICATES ALARM ZONE 7 SHORT CIRCUIT INDICATES ALARM ZONE 8 SHORT C			circui.
48 ZONE 8 ALARM RROM CALL POINT DELAYED 50 COINCIDENCE ZONE 1 51 COINCIDENCE ZONE 1 52 COINCIDENCE ZONE 2 53 COINCIDENCE ZONE 3 54 COINCIDENCE ZONE 3 55 COINCIDENCE ZONE 6 56 COINCIDENCE ZONE 6 57 COINCIDENCE ZONE 6 58 COINCIDENCE ZONE 6 59 COINCIDENCE ZONE 8 61 FULL ALARM MODE ZONE 8 61 FULL ALARM MODE ZONE 8 62 FULL ALARM MODE ZONE 9 63 FULL ALARM MODE ZONE 9 64 FULL ALARM MODE ZONE 4 65 FULL ALARM MODE ZONE 4 66 FULL ALARM MODE ZONE 4 67 FULL ALARM MODE ZONE 5 66 FULL ALARM MODE ZONE 5 66 FULL ALARM MODE ZONE 8 67 FULL ALARM MODE ZONE 8 68 FULL ALARM MODE ZONE 8 69 FULL ALARM MODE ZONE 8 60 FULL ALARM MODE ZONE 8 61 FULL ALARM MODE ZONE 8 62 FULL ALARM MODE ZONE 8 63 FULL ALARM MODE ZONE 8 64 FULL ALARM MODE ZONE 8 65 FULL ALARM MODE ZONE 8 66 FULL ALARM MODE ZONE 8 67 FULL ALARM MODE ZONE 8 68 FULL ALARM MODE ZONE 8 69 ZONE 5 SHORT CIRCUIT INDICATES ALARM 79 ZONE 7 SHORT CIRCUIT INDICATES ALARM 79 ZONE 5 SHORT CIRCUIT INDICATES ALARM 79 ZONE 7 SHORT CIRCUIT INDICATES ALARM 70 ZONE	45		
48 ZONE 8 ALARM FROM CALL POINT DELAYED 50 COINCIDENCE ZONE 1 51 COINCIDENCE ZONE 1 52 COINCIDENCE ZONE 2 53 COINCIDENCE ZONE 3 54 COINCIDENCE ZONE 3 55 COINCIDENCE ZONE 6 56 COINCIDENCE ZONE 6 57 COINCIDENCE ZONE 6 58 COINCIDENCE ZONE 6 59 COINCIDENCE ZONE 8 61 FULL ALARM MODE ZONE 8 61 FULL ALARM MODE ZONE 8 62 FULL ALARM MODE ZONE 9 63 FULL ALARM MODE ZONE 9 64 FULL ALARM MODE ZONE 4 65 FULL ALARM MODE ZONE 4 66 FULL ALARM MODE ZONE 4 67 FULL ALARM MODE ZONE 5 66 FULL ALARM MODE ZONE 5 66 FULL ALARM MODE ZONE 5 67 FULL ALARM MODE ZONE 6 67 FULL ALARM MODE ZONE 8 CONDENS SHORT CIRCUIT INDICATES ALARM 72 ZONE 3 SHORT CIRCUIT INDICATES ALARM 73 ZONE 3 SHORT CIRCUIT INDICATES ALARM 74 ZONE 3 SHORT CIRCUIT INDICATES ALARM 75 ZONE 5 SHORT CIRCUIT INDICATES ALARM 77 ZONE 5 SHORT CIRCUIT INDICATES ALARM 78 ZONE 5 SHORT CIRCUIT INDICATES ALARM 78 ZONE 5 SHORT CIRCUIT INDICATES ALARM 79 ZONE 5 SHORT CIRCUIT INDICATES ALARM 79 ZONE 7 SHORT CIRCUIT INDICATES ALARM 79 ZONE 5 SHORT CIRCUIT INDICATES ALARM 71 ZONE 5 SHORT CIRCUIT INDICATES ALARM 72 ZONE 5 SHORT CIRCUIT INDICATES ALARM 73 ZONE 5 SHORT CIRCUIT INDICATES ALARM 74 ZONE 5 SHORT CIRCUIT INDICATES ALARM 75 ZONE 5 SHORT CIRCUIT INDICATES ALARM 77 ZONE 7 SHORT CIRCUIT INDICATES ALARM 78 ZONE 5 SHORT CIRCUIT INDICATES ALARM 79 ZONE 7 SHORT CIRCUIT INDICATES ALARM 79 ZONE 7 SHORT CIRCUIT INDICATES ALARM 81 ZONE 1 NON-LATCHING 82 ZONE 5 SHORT CIRCUIT INDICATES ALARM 83 ZONE 5 SHORT CIRCUIT INDICATES ALARM 84 ZONE 6 NON-LATCHING 85 ZONE 5 NON-LATCHING 86 ZONE 6 NON-LATCHING 87 ZONE 7 NON-LATCHING 88 ZONE 8 NON-LATCHING 89 ZONE 7 NON-LATCHING 80 ZONE 6 NOS DOUND ALARMS 90 ZONE 7 DOES NOT SOUND ALARMS 91 ZONE 7 DOES NOT SOUND ALARMS 92 ZONE 8 DOES NOT SOUND ALARMS 93 ZONE 8 DOES NOT SOUND ALARMS 94 ZONE 8 DOES NOT SOUND ALARMS 95 ZONE 8 DOES NOT SOUND ALARMS 96 ZONE 6 DOES NOT SOUND ALARMS 97 ZONE 7 DOES NOT SOUND ALARMS 98 ZONE 8 ANY ALARM DELAYED DEFORM ANY ALARM DELAYED DEFORM ANY ALARM DELAYED DEFORM ANY	46	ZONE 6 ALARM FROM CALL POINT DELAYED	
AB ZONE B ALARM FROM CALL POINT DELAYED	47		
Source Councilibrace Zone Source Sourc	-		
S2 COINCIDENCE ZONE 2 S3 COINCIDENCE ZONE 3	48	ZONE 8 ALARM FROM CALL POINT DELAYED	
S2 COINCIDENCE ZONE 2 S3 COINCIDENCE ZONE 3			
S2 COINCIDENCE ZONE 2 S3 COINCIDENCE ZONE 3	51	COINCIDENCE ZONE 1	Zone contributes to ancillary board coincidence O/P. Any
53 COINCIDENCE ZONE 3 54 COINCIDENCE ZONE 4 55 COINCIDENCE ZONE 5 56 COINCIDENCE ZONE 6 57 COINCIDENCE ZONE 7 58 COINCIDENCE ZONE 8 61 FULL ALARM MODE ZONE 1 62 FULL ALARM MODE ZONE 1 63 FULL ALARM MODE ZONE 2 63 FULL ALARM MODE ZONE 3 64 FULL ALARM MODE ZONE 3 65 FULL ALARM MODE ZONE 5 66 FULL ALARM MODE ZONE 5 67 FULL ALARM MODE ZONE 5 68 FULL ALARM MODE ZONE 8 CODE FULL ALARM MODE ZONE 8 CODE FULL ALARM MODE ZONE 6 67 FULL ALARM MODE ZONE 8 CODE SHORT CIRCUIT INDICATES ALARM 200 200 200 200 200 200 200 200 200 20	52		
Section Control Control Section Sect			Transper of Zones can be selected to contribute.
SECONDICIDENCE ZONE 5 SECONDICIDENCE ZONE 6 SECONDICIDENCE ZONE 7 SECONDICIDENCE ZONE 8 SECONDICIDENCE ZONE 1 SECONDICIDENCE ZONE 1 SECONDICIDENCE ZONE 1 ZONE 2 Z			
Section Control Cont	54	COINCIDENCE ZONE 4	
Section Control Cont	55	COINCIDENCE ZONE 5	
SR COINCIDENCE ZONE 7			
61 FULL ALARM MODE ZONE 1 62 FULL ALARM MODE ZONE 2 63 FULL ALARM MODE ZONE 3 64 FULL ALARM MODE ZONE 3 65 FULL ALARM MODE ZONE 5 66 FULL ALARM MODE ZONE 6 67 FULL ALARM MODE ZONE 6 68 FULL ALARM MODE ZONE 8 COD FULL ALARM MODE ZONE 8 CONE 5 SHORT CIRCUIT INDICATES ALARM ZONE 8 SHORT CIRCUIT INDICATES ALARM CIRCUIT INDICATES ALARM ZONE 8 SHORT CIRCUIT INDICAT			1
61 FULL ALARM MODE ZONE 1 62 FULL ALARM MODE ZONE 2 63 FULL ALARM MODE ZONE 3 64 FULL ALARM MODE ZONE 3 65 FULL ALARM MODE ZONE 4 65 FULL ALARM MODE ZONE 5 66 FULL ALARM MODE ZONE 5 66 FULL ALARM MODE ZONE 6 67 FULL ALARM MODE ZONE 7 68 FULL ALARM MODE ZONE 8 67 FULL ALARM MODE ZONE 8 68 FULL ALARM MODE ZONE 8 69 FULL ALARM MODE ZONE 8 60 FULL ALARM MODE ZONE 8 61 FULL ALARM MODE ZONE 8 62 ZONE 2 SHORT CIRCUIT INDICATES ALARM 63 ZONE 3 SHORT CIRCUIT INDICATES ALARM 64 ZONE 4 SHORT CIRCUIT INDICATES ALARM 65 ZONE 6 SHORT CIRCUIT INDICATES ALARM 66 ZONE 8 SHORT CIRCUIT INDICATES ALARM 67 ZONE 7 SHORT CIRCUIT INDICATES ALARM 67 ZONE 8 SHORT CIRCUIT INDICATES ALARM 68 ZONE 8 NON-LATCHING 68 ZONE 8 NON-LATCHING 68 ZONE 8 NON-LATCHING 68 ZONE 8 NON-LATCHING 68 ZONE 6 NON-LATCHING 68 ZONE 6 NON-LATCHING 68 ZONE 6 NON-LATCHING 68 ZONE 6 NON-LATCHING 69 ZONE 6 NON-LATCHING 69 ZONE 6 NON-LATCHING 60 ZONE 6 NON-LATCHING 61 ZONE 7 NON-LATCHING 62 ZONE 2 DOES NOT SOUND ALARMS 64 ZONE 8 DOES NOT SOUND ALARMS 65 ZONE 5 DOES NOT SOUND ALARMS 66 ZONE 6 DOES NOT SOUND ALARMS 67 ZONE 6 DOES NOT SOUND ALARMS 68 ZONE 6 DOES NOT SOUND ALARMS 69 ZONE 6 DOES NOT SOUND ALARMS 60 ZONE 6 DOES NOT SOUND ALARMS 60 ZONE 6 DOES NOT SOUND ALARMS 60 ZONE 6 DOES NOT SOUND ALARMS 61 ZONE 6 DOES NOT SOUND ALARMS 62 ZONE 6 DOES NOT SOUND ALARMS 63 ZONE 6 NOR-LATCHING 64 ZONE 6 DOES NOT SOUND ALARMS 65 ZONE 6 NOR-LATCHING 65 ZONE 6 DOES NOT SOUND ALARMS 66 ZONE 6 DOES NOT SOUND ALARMS 67 ZONE 7 DOES NOT SOUND ALARMS 67 ZONE 7 DOES NOT SOUND ALARMS 68 ZONE 8 DOES NOT SOUND ALARMS 69 ZONE 8 DOES NOT SOUND ALARMS 60 ZONE 6 DOES NOT SOUND ALARMS 60 ZONE 6 DOES NOT SOUND ALARMS 61 ZONE 6 NOR-LATCHING 61 ZONE 6 NOR-LATCHING 62 ZONE 6 NOR-LATCHING 63 ZONE 8 DOES NOT SOUND ALARMS 64 ZONE 8 DOES NOT SOUND ALARMS 65 ZONE 8 DOES NOT SOUND ALARMS 66 ZONE 8	_		
61 FULL ALARM MODE ZONE 1 62 FULL ALARM MODE ZONE 2 63 FULL ALARM MODE ZONE 3 64 FULL ALARM MODE ZONE 3 65 FULL ALARM MODE ZONE 4 65 FULL ALARM MODE ZONE 5 66 FULL ALARM MODE ZONE 5 66 FULL ALARM MODE ZONE 6 67 FULL ALARM MODE ZONE 7 68 FULL ALARM MODE ZONE 8 67 FULL ALARM MODE ZONE 8 68 FULL ALARM MODE ZONE 8 69 FULL ALARM MODE ZONE 8 60 FULL ALARM MODE ZONE 8 61 FULL ALARM MODE ZONE 8 62 ZONE 2 SHORT CIRCUIT INDICATES ALARM 63 ZONE 3 SHORT CIRCUIT INDICATES ALARM 64 ZONE 4 SHORT CIRCUIT INDICATES ALARM 65 ZONE 6 SHORT CIRCUIT INDICATES ALARM 66 ZONE 8 SHORT CIRCUIT INDICATES ALARM 67 ZONE 7 SHORT CIRCUIT INDICATES ALARM 67 ZONE 8 SHORT CIRCUIT INDICATES ALARM 68 ZONE 8 NON-LATCHING 68 ZONE 8 NON-LATCHING 68 ZONE 8 NON-LATCHING 68 ZONE 8 NON-LATCHING 68 ZONE 6 NON-LATCHING 68 ZONE 6 NON-LATCHING 68 ZONE 6 NON-LATCHING 68 ZONE 6 NON-LATCHING 69 ZONE 6 NON-LATCHING 69 ZONE 6 NON-LATCHING 60 ZONE 6 NON-LATCHING 61 ZONE 7 NON-LATCHING 62 ZONE 2 DOES NOT SOUND ALARMS 64 ZONE 8 DOES NOT SOUND ALARMS 65 ZONE 5 DOES NOT SOUND ALARMS 66 ZONE 6 DOES NOT SOUND ALARMS 67 ZONE 6 DOES NOT SOUND ALARMS 68 ZONE 6 DOES NOT SOUND ALARMS 69 ZONE 6 DOES NOT SOUND ALARMS 60 ZONE 6 DOES NOT SOUND ALARMS 60 ZONE 6 DOES NOT SOUND ALARMS 60 ZONE 6 DOES NOT SOUND ALARMS 61 ZONE 6 DOES NOT SOUND ALARMS 62 ZONE 6 DOES NOT SOUND ALARMS 63 ZONE 6 NOR-LATCHING 64 ZONE 6 DOES NOT SOUND ALARMS 65 ZONE 6 NOR-LATCHING 65 ZONE 6 DOES NOT SOUND ALARMS 66 ZONE 6 DOES NOT SOUND ALARMS 67 ZONE 7 DOES NOT SOUND ALARMS 67 ZONE 7 DOES NOT SOUND ALARMS 68 ZONE 8 DOES NOT SOUND ALARMS 69 ZONE 8 DOES NOT SOUND ALARMS 60 ZONE 6 DOES NOT SOUND ALARMS 60 ZONE 6 DOES NOT SOUND ALARMS 61 ZONE 6 NOR-LATCHING 61 ZONE 6 NOR-LATCHING 62 ZONE 6 NOR-LATCHING 63 ZONE 8 DOES NOT SOUND ALARMS 64 ZONE 8 DOES NOT SOUND ALARMS 65 ZONE 8 DOES NOT SOUND ALARMS 66 ZONE 8	58	COINCIDENCE ZONE 8	
63 FULL ALARM MODE ZONE 2 63 FULL ALARM MODE ZONE 3 64 FULL ALARM MODE ZONE 4 65 FULL ALARM MODE ZONE 5 66 FULL ALARM MODE ZONE 5 66 FULL ALARM MODE ZONE 6 67 FULL ALARM MODE ZONE 6 67 FULL ALARM MODE ZONE 8 CODE FUNCTION E FUNCTION E 71* ZONE 1 SHORT CIRCUIT INDICATES ALARM 72* ZONE 2 SHORT CIRCUIT INDICATES ALARM 73* ZONE 3 SHORT CIRCUIT INDICATES ALARM 73* ZONE 3 SHORT CIRCUIT INDICATES ALARM 75* ZONE 6 SHORT CIRCUIT INDICATES ALARM 76* ZONE 6 SHORT CIRCUIT INDICATES ALARM 77* ZONE 7 SHORT CIRCUIT INDICATES ALARM 78* ZONE 8 SHORT CIRCUIT INDICATES ALARM 81* ZONE 1 NON-LATCHING 82* ZONE 2 NON-LATCHING 83* ZONE 3 NON-LATCHING 84* ZONE 4 NON-LATCHING 85* ZONE 5 NON-LATCHING 85* ZONE 6 NON-LATCHING 85* ZONE 6 NON-LATCHING 85* ZONE 6 NON-LATCHING 87* ZONE 7 NON-LATCHING 88* ZONE 8 NON-LATCHING 97* ZONE 7 NON-LATCHING 98* ZONE 8 NON-LATCHING 99 ZONE 8 DOES NOT SOUND ALARMS 99 ZONE 6 DOES NOT SOUND ALARMS 99 ZONE 6 DOES NOT SOUND ALARMS 99 ZONE 6 DOES NOT SOUND ALARMS 90 ZONE 6 ANY ALARM DELAYED A* ZONE 6 ANY ALARM DELAYED ONE OF THE PROPERTY			
63 FULL ALARM MODE ZONE 2 63 FULL ALARM MODE ZONE 3 64 FULL ALARM MODE ZONE 4 65 FULL ALARM MODE ZONE 5 66 FULL ALARM MODE ZONE 5 66 FULL ALARM MODE ZONE 6 67 FULL ALARM MODE ZONE 6 67 FULL ALARM MODE ZONE 8 CODE FUNCTION E FUNCTION E 71* ZONE 1 SHORT CIRCUIT INDICATES ALARM 72* ZONE 2 SHORT CIRCUIT INDICATES ALARM 73* ZONE 3 SHORT CIRCUIT INDICATES ALARM 73* ZONE 3 SHORT CIRCUIT INDICATES ALARM 75* ZONE 6 SHORT CIRCUIT INDICATES ALARM 76* ZONE 6 SHORT CIRCUIT INDICATES ALARM 77* ZONE 7 SHORT CIRCUIT INDICATES ALARM 78* ZONE 8 SHORT CIRCUIT INDICATES ALARM 81* ZONE 1 NON-LATCHING 82* ZONE 2 NON-LATCHING 83* ZONE 3 NON-LATCHING 84* ZONE 4 NON-LATCHING 85* ZONE 5 NON-LATCHING 85* ZONE 6 NON-LATCHING 85* ZONE 6 NON-LATCHING 85* ZONE 6 NON-LATCHING 87* ZONE 7 NON-LATCHING 88* ZONE 8 NON-LATCHING 97* ZONE 7 NON-LATCHING 98* ZONE 8 NON-LATCHING 99 ZONE 8 DOES NOT SOUND ALARMS 99 ZONE 6 DOES NOT SOUND ALARMS 99 ZONE 6 DOES NOT SOUND ALARMS 99 ZONE 6 DOES NOT SOUND ALARMS 90 ZONE 6 ANY ALARM DELAYED A* ZONE 6 ANY ALARM DELAYED ONE OF THE PROPERTY	41	FILL ALADM MODE 70NE 1	When this option is set any detector activating on the
64 FULL ALARM MODE ZONE 3 65 FULL ALARM MODE ZONE 5 66 FULL ALARM MODE ZONE 5 67 FULL ALARM MODE ZONE 6 68 FULL ALARM MODE ZONE 8 COD FUNCTION COMMENTS E TI* ZONE 1 SHORT CIRCUIT INDICATES ALARM 73* ZONE 3 SHORT CIRCUIT INDICATES ALARM 73* ZONE 3 SHORT CIRCUIT INDICATES ALARM 74* ZONE 4 SHORT CIRCUIT INDICATES ALARM 75* ZONE 5 SHORT CIRCUIT INDICATES ALARM 77* ZONE 6 SHORT CIRCUIT INDICATES ALARM 77* ZONE 6 SHORT CIRCUIT INDICATES ALARM 77* ZONE 7 SHORT CIRCUIT INDICATES ALARM 78* ZONE 8 SHORT CIRCUIT INDICATES ALARM 28* ZONE 8 SHORT CIRCUIT INDICATES ALARM 28* ZONE 8 SHORT CIRCUIT INDICATES ALARM 28*			
G4 FULL ALARM MODE ZONE 4	-		
64 FULL ALARM MODE ZONE 5 65 FULL ALARM MODE ZONE 5 66 FULL ALARM MODE ZONE 6 67 FULL ALARM MODE ZONE 7 68 FULL ALARM MODE ZONE 8 COD FUNCTION COMMENTS E ZONE 1 SHORT CIRCUIT INDICATES ALARM 22* ZONE 2 SHORT CIRCUIT INDICATES ALARM 33* ZONE 3 SHORT CIRCUIT INDICATES ALARM 34* ZONE 4 SHORT CIRCUIT INDICATES ALARM 35* ZONE 5 SHORT CIRCUIT INDICATES ALARM 36* ZONE 6 SHORT CIRCUIT INDICATES ALARM 36* ZONE 6 SHORT CIRCUIT INDICATES ALARM 36* ZONE 6 SHORT CIRCUIT INDICATES ALARM 37* ZONE 6 SHORT CIRCUIT INDICATES ALARM 36* ZONE 8 SHORT CIRCUIT INDICATES ALARM 36* ZONE 8 SHORT CIRCUIT INDICATES ALARM 37* ZONE 6 SHORT CIRCUIT INDICATES ALARM 37* ZONE 6 SHORT CIRCUIT INDICATES ALARM 36* ZONE 8 SHORT CIRCUIT INDICATES ALARM 37* ZONE 7 SHORT CIRCUIT INDICATES ALARM 37* ZONE 7 SHORT CIRCUIT INDICATES ALARM 37* ZONE 8 SHORT CIRCUIT INDICATES ALARM 38* ZONE 8 NON-LATCHING 38* ZONE 8 NON-LATCHING 38* ZONE 8 NON-LATCHING 38* ZONE 8 NON-LATCHING 38* ZONE 6 NON-LATCHING 38* ZONE 8 NON-LATCHI	63	FULL ALARM MODE ZONE 3	on sounder or sounder beacon bases will be ignored.
65 FULL ALARM MODE ZONE 5]
66 FULL ALARM MODE ZONE 6 67 FULL ALARM MODE ZONE 8 68 FULL ALARM MODE ZONE 8 68 FULL ALARM MODE ZONE 8 68 FULL ALARM MODE ZONE 8 69 CONE FUNCTION E 60 FUNCTION E 60 COMMENTS 60 COMMENTS 61 ZONE 1 SHORT CIRCUIT INDICATES ALARM 22 ZONE 2 SHORT CIRCUIT INDICATES ALARM 23* ZONE 3 SHORT CIRCUIT INDICATES ALARM 25* ZONE 5 SHORT CIRCUIT INDICATES ALARM 25* ZONE 6 SHORT CIRCUIT INDICATES ALARM 25* ZONE 6 SHORT CIRCUIT INDICATES ALARM 25* ZONE 7 SHORT CIRCUIT INDICATES ALARM 25* ZONE 8 SHORT CIRCUIT INDICATES ALARM 25* ZONE 2 NON-LATCHING 25* ZONE 5 ZONE 5 NON-LATCHING 25* ZONE 5 ZONE			
FULL ALARM MODE ZONE 7			
COD FUNCTION COMMENTS 71* ZONE 1 SHORT CIRCUIT INDICATES ALARM 72* ZONE 3 SHORT CIRCUIT INDICATES ALARM 73* ZONE 3 SHORT CIRCUIT INDICATES ALARM 75* ZONE 4 SHORT CIRCUIT INDICATES ALARM 76* ZONE 6 SHORT CIRCUIT INDICATES ALARM 77* ZONE 6 SHORT CIRCUIT INDICATES ALARM 77* ZONE 7 SHORT CIRCUIT INDICATES ALARM 77* ZONE 8 SHORT CIRCUIT INDICATES ALARM 77* ZONE 8 SHORT CIRCUIT INDICATES ALARM 77* ZONE 8 SHORT CIRCUIT INDICATES ALARM 78* ZONE 8 NON-LATCHING 78* ZONE 8 SHORT CIRCUIT INDICATES ALARM 78* ZONE 8 NON-LATCHING 78* ZONE 8 SHORT CIRCUIT INDICATES ALARM 78* ZONE 8 NON-LATCHING 78* ZONE 8 SHORT CIRCUIT INDICATES ALARM 78* ZONE 8 NON-LATCHING 79* ZONE 7 NON-LATCHING 79* ZONE 7 NON-LATCHING 79* ZONE 7 NON-LATCHING 79* ZONE 7 DOES NOT SOUND ALARMS 79* ZONE 8 DOES NO	66	FULL ALARM MODE ZONE 6	
COD FUNCTION COMMENTS 71* ZONE 1 SHORT CIRCUIT INDICATES ALARM 72* ZONE 3 SHORT CIRCUIT INDICATES ALARM 73* ZONE 3 SHORT CIRCUIT INDICATES ALARM 75* ZONE 4 SHORT CIRCUIT INDICATES ALARM 76* ZONE 6 SHORT CIRCUIT INDICATES ALARM 77* ZONE 6 SHORT CIRCUIT INDICATES ALARM 77* ZONE 7 SHORT CIRCUIT INDICATES ALARM 77* ZONE 8 SHORT CIRCUIT INDICATES ALARM 77* ZONE 8 SHORT CIRCUIT INDICATES ALARM 77* ZONE 8 SHORT CIRCUIT INDICATES ALARM 78* ZONE 8 NON-LATCHING 78* ZONE 8 SHORT CIRCUIT INDICATES ALARM 78* ZONE 8 NON-LATCHING 78* ZONE 8 SHORT CIRCUIT INDICATES ALARM 78* ZONE 8 NON-LATCHING 78* ZONE 8 SHORT CIRCUIT INDICATES ALARM 78* ZONE 8 NON-LATCHING 79* ZONE 7 NON-LATCHING 79* ZONE 7 NON-LATCHING 79* ZONE 7 NON-LATCHING 79* ZONE 7 DOES NOT SOUND ALARMS 79* ZONE 8 DOES NO	67	FULL ALARM MODE ZONE 7	
COD FUNCTION E 71* ZONE 1 SHORT CIRCUIT INDICATES ALARM 72* ZONE 2 SHORT CIRCUIT INDICATES ALARM 73* ZONE 3 SHORT CIRCUIT INDICATES ALARM 74* ZONE 4 SHORT CIRCUIT INDICATES ALARM 75* ZONE 5 SHORT CIRCUIT INDICATES ALARM 76* ZONE 6 SHORT CIRCUIT INDICATES ALARM 77* ZONE 6 SHORT CIRCUIT INDICATES ALARM 77* ZONE 7 SHORT CIRCUIT INDICATES ALARM 78* ZONE 8 SHORT CIRCUIT INDICATES ALARM 78* ZONE 8 SHORT CIRCUIT INDICATES ALARM 81* ZONE 1 NON-LATCHING 82* ZONE 2 NON-LATCHING 83* ZONE 3 NON-LATCHING 84* ZONE 3 NON-LATCHING 85* ZONE 5 NON-LATCHING 86* ZONE 5 NON-LATCHING 87* ZONE 7 NON-LATCHING 88* ZONE 8 NON-LATCHING 89* ZONE 1 DOES NOT SOUND ALARMS 91 ZONE 1 DOES NOT SOUND ALARMS 92 ZONE 2 DOES NOT SOUND ALARMS 93 ZONE 8 DOES NOT SOUND ALARMS 94 ZONE 8 DOES NOT SOUND ALARMS 95 ZONE 6 DOES NOT SOUND ALARMS 96 ZONE 6 DOES NOT SOUND ALARMS 97 ZONE 7 DOES NOT SOUND ALARMS 98 ZONE 8 DOES NOT SOUND ALARMS 99 ZONE 8 DOES NOT SOUND ALARMS 90 ZONE 6 DOES NOT SOUND ALARMS 91 ZONE 1 ANY ALARM DELAYED A1* ZONE 3 ANY ALARM DELAYED A3* ZONE 3 ANY ALARM DELAYED A4* ZONE 4 ANY ALARM DELAYED A4* ZONE 6 ANY ALARM DELAYED A5* ZONE 6 ANY ALARM DELAYED A6* ZONE 6 ANY ALARM DELAYED A7* Z			
E 71* ZONE 1 SHORT CIRCUIT INDICATES ALARM 72* ZONE 2 SHORT CIRCUIT INDICATES ALARM 73* ZONE 3 SHORT CIRCUIT INDICATES ALARM 74* ZONE 4 SHORT CIRCUIT INDICATES ALARM 75* ZONE 5 SHORT CIRCUIT INDICATES ALARM 76* ZONE 6 SHORT CIRCUIT INDICATES ALARM 77* ZONE 7 SHORT CIRCUIT INDICATES ALARM 78* ZONE 8 SHORT CIRCUIT INDICATES ALARM 78* ZONE 8 SHORT CIRCUIT INDICATES ALARM 78* ZONE 8 SHORT CIRCUIT INDICATES ALARM 78* ZONE 1 NON-LATCHING 81* ZONE 1 NON-LATCHING 83* ZONE 2 NON-LATCHING 83* ZONE 3 NON-LATCHING 85* ZONE 6 NON-LATCHING 85* ZONE 6 NON-LATCHING 86* ZONE 6 NON-LATCHING 87* ZONE 7 NON-LATCHING 88* ZONE 8 NON-LATCHING 88* ZONE 8 NON-LATCHING 88* ZONE 8 NON-LATCHING 88* ZONE 8 NON-LATCHING 89* ZONE 8 NON-LATCHING 89* ZONE 7 NON-LATCHING 80* ZONE 7 NON-LATCHING 80* ZONE 8 NON-LATCHING 80* ZONE 8 NON-LATCHING 80* ZONE 7 NON-LATCHING 80* ZONE 7 NON-LATCHING 80* ZONE 8 NON-LATCHING 80* ZONE 7 NON-LATCHING 80* ZONE 8 NON-LATCHING 80	00	FULL ALARIVI WIODE ZONE 8	
E 71* ZONE 1 SHORT CIRCUIT INDICATES ALARM 72* ZONE 2 SHORT CIRCUIT INDICATES ALARM 73* ZONE 3 SHORT CIRCUIT INDICATES ALARM 74* ZONE 4 SHORT CIRCUIT INDICATES ALARM 75* ZONE 5 SHORT CIRCUIT INDICATES ALARM 76* ZONE 6 SHORT CIRCUIT INDICATES ALARM 77* ZONE 7 SHORT CIRCUIT INDICATES ALARM 78* ZONE 8 SHORT CIRCUIT INDICATES ALARM 78* ZONE 8 SHORT CIRCUIT INDICATES ALARM 78* ZONE 8 SHORT CIRCUIT INDICATES ALARM 78* ZONE 7 SHORT CIRCUIT INDICATES ALARM 78* ZONE 8 SHORT CIRCUIT INDICATES ALARM 81* ZONE 1 NON-LATCHING 82* ZONE 2 NON-LATCHING 83* ZONE 3 NON-LATCHING 84* ZONE 4 NON-LATCHING 85* ZONE 6 NON-LATCHING 86* ZONE 6 NON-LATCHING 88* ZONE 7 NON-LATCHING 88* ZONE 8 NON-LATCHING 88* ZONE 8 NON-LATCHING 88* ZONE 8 NON-LATCHING 88* ZONE 8 NON-LATCHING 89* ZONE 8 NON-LATCHING 80* ZONE 8 NON-LATCHING 80* ZONE 7 NON-LATCHING 80* ZONE 8 NON-L			
E 71* ZONE 1 SHORT CIRCUIT INDICATES ALARM 72* ZONE 2 SHORT CIRCUIT INDICATES ALARM 73* ZONE 3 SHORT CIRCUIT INDICATES ALARM 74* ZONE 4 SHORT CIRCUIT INDICATES ALARM 75* ZONE 5 SHORT CIRCUIT INDICATES ALARM 76* ZONE 6 SHORT CIRCUIT INDICATES ALARM 77* ZONE 7 SHORT CIRCUIT INDICATES ALARM 78* ZONE 8 SHORT CIRCUIT INDICATES ALARM 78* ZONE 8 SHORT CIRCUIT INDICATES ALARM 78* ZONE 8 SHORT CIRCUIT INDICATES ALARM 78* ZONE 7 SHORT CIRCUIT INDICATES ALARM 78* ZONE 8 SHORT CIRCUIT INDICATES ALARM 81* ZONE 1 NON-LATCHING 82* ZONE 2 NON-LATCHING 83* ZONE 3 NON-LATCHING 84* ZONE 4 NON-LATCHING 85* ZONE 6 NON-LATCHING 86* ZONE 6 NON-LATCHING 88* ZONE 7 NON-LATCHING 88* ZONE 8 NON-LATCHING 88* ZONE 8 NON-LATCHING 88* ZONE 8 NON-LATCHING 88* ZONE 8 NON-LATCHING 89* ZONE 8 NON-LATCHING 80* ZONE 8 NON-LATCHING 80* ZONE 7 NON-LATCHING 80* ZONE 8 NON-L			
E 71* ZONE 1 SHORT CIRCUIT INDICATES ALARM 72* ZONE 2 SHORT CIRCUIT INDICATES ALARM 73* ZONE 3 SHORT CIRCUIT INDICATES ALARM 74* ZONE 4 SHORT CIRCUIT INDICATES ALARM 75* ZONE 5 SHORT CIRCUIT INDICATES ALARM 76* ZONE 6 SHORT CIRCUIT INDICATES ALARM 77* ZONE 7 SHORT CIRCUIT INDICATES ALARM 78* ZONE 8 SHORT CIRCUIT INDICATES ALARM 78* ZONE 8 SHORT CIRCUIT INDICATES ALARM 78* ZONE 8 SHORT CIRCUIT INDICATES ALARM 78* ZONE 7 SHORT CIRCUIT INDICATES ALARM 78* ZONE 8 SHORT CIRCUIT INDICATES ALARM 81* ZONE 1 NON-LATCHING 82* ZONE 2 NON-LATCHING 83* ZONE 3 NON-LATCHING 84* ZONE 4 NON-LATCHING 85* ZONE 6 NON-LATCHING 86* ZONE 6 NON-LATCHING 88* ZONE 7 NON-LATCHING 88* ZONE 8 NON-LATCHING 88* ZONE 8 NON-LATCHING 88* ZONE 8 NON-LATCHING 88* ZONE 8 NON-LATCHING 89* ZONE 8 NON-LATCHING 80* ZONE 8 NON-LATCHING 80* ZONE 7 NON-LATCHING 80* ZONE 8 NON-L			
E 71* ZONE 1 SHORT CIRCUIT INDICATES ALARM 72* ZONE 2 SHORT CIRCUIT INDICATES ALARM 73* ZONE 3 SHORT CIRCUIT INDICATES ALARM 74* ZONE 4 SHORT CIRCUIT INDICATES ALARM 75* ZONE 5 SHORT CIRCUIT INDICATES ALARM 76* ZONE 6 SHORT CIRCUIT INDICATES ALARM 77* ZONE 7 SHORT CIRCUIT INDICATES ALARM 78* ZONE 8 SHORT CIRCUIT INDICATES ALARM 78* ZONE 8 SHORT CIRCUIT INDICATES ALARM 78* ZONE 8 SHORT CIRCUIT INDICATES ALARM 78* ZONE 1 NON-LATCHING 81* ZONE 1 NON-LATCHING 83* ZONE 2 NON-LATCHING 83* ZONE 3 NON-LATCHING 85* ZONE 6 NON-LATCHING 85* ZONE 6 NON-LATCHING 86* ZONE 6 NON-LATCHING 87* ZONE 7 NON-LATCHING 88* ZONE 8 NON-LATCHING 88* ZONE 8 NON-LATCHING 88* ZONE 8 NON-LATCHING 88* ZONE 8 NON-LATCHING 89* ZONE 8 NON-LATCHING 89* ZONE 7 NON-LATCHING 80* ZONE 7 NON-LATCHING 80* ZONE 8 NON-LATCHING 80* ZONE 8 NON-LATCHING 80* ZONE 7 NON-LATCHING 80* ZONE 7 NON-LATCHING 80* ZONE 8 NON-LATCHING 80* ZONE 7 NON-LATCHING 80* ZONE 8 NON-LATCHING 80			
E 71* ZONE 1 SHORT CIRCUIT INDICATES ALARM 72* ZONE 2 SHORT CIRCUIT INDICATES ALARM 73* ZONE 3 SHORT CIRCUIT INDICATES ALARM 74* ZONE 4 SHORT CIRCUIT INDICATES ALARM 75* ZONE 5 SHORT CIRCUIT INDICATES ALARM 76* ZONE 6 SHORT CIRCUIT INDICATES ALARM 77* ZONE 7 SHORT CIRCUIT INDICATES ALARM 78* ZONE 8 SHORT CIRCUIT INDICATES ALARM 78* ZONE 8 SHORT CIRCUIT INDICATES ALARM 78* ZONE 8 SHORT CIRCUIT INDICATES ALARM 78* ZONE 1 NON-LATCHING 81* ZONE 1 NON-LATCHING 83* ZONE 2 NON-LATCHING 83* ZONE 3 NON-LATCHING 85* ZONE 6 NON-LATCHING 85* ZONE 6 NON-LATCHING 86* ZONE 6 NON-LATCHING 87* ZONE 7 NON-LATCHING 88* ZONE 8 NON-LATCHING 88* ZONE 8 NON-LATCHING 88* ZONE 8 NON-LATCHING 88* ZONE 8 NON-LATCHING 89* ZONE 8 NON-LATCHING 89* ZONE 7 NON-LATCHING 80* ZONE 7 NON-LATCHING 80* ZONE 8 NON-LATCHING 80* ZONE 8 NON-LATCHING 80* ZONE 7 NON-LATCHING 80* ZONE 7 NON-LATCHING 80* ZONE 8 NON-LATCHING 80* ZONE 7 NON-LATCHING 80* ZONE 8 NON-LATCHING 80		F1111071011	
T1* ZONE 1 SHORT CIRCUIT INDICATES ALARM T2* ZONE 2 SHORT CIRCUIT INDICATES ALARM T3* ZONE 3 SHORT CIRCUIT INDICATES ALARM T4* ZONE 4 SHORT CIRCUIT INDICATES ALARM T5* ZONE 5 SHORT CIRCUIT INDICATES ALARM T6* ZONE 5 SHORT CIRCUIT INDICATES ALARM T7* ZONE 5 SHORT CIRCUIT INDICATES ALARM T7* ZONE 7 SHORT CIRCUIT INDICATES ALARM ZONE 8 SHORT CIRCUIT INDICATES ALARM T7* ZONE 7 SHORT CIRCUIT INDICATES ALARM ZONE 8 NON-LATCHING ZONE 2 NON-LATCHING ZONE 2 NON-LATCHING ZONE 5 NON-LATCHING ZONE 6 NON-LATCHING ZONE 6 NON-LATCHING ZONE 6 NON-LATCHING ZONE 8 ZONE 8 NON-LATCHING ZONE 8 ZONE 8 NON-LATCHING ZONE 8 ZONE 8 NON-LATCHING ZONE 9 ZONE 8 DOES NOT SOUND ALARMS ZONE 6 DOES NOT SOUND ALARMS ZONE 6 DOES NOT SOUND ALARMS ZONE 6 DOES NOT SOUND ALARMS ZONE 8 DOES NOT SOUND ALA	$\sim \sim \sim$		
T2* ZONE 2 SHORT CIRCUIT INDICATES ALARM T3* ZONE 3 SHORT CIRCUIT INDICATES ALARM circuit monitoring. (Not for use if Alarmsense devices are connected to the zone)		FUNCTION	COMMENTS
T2* ZONE 2 SHORT CIRCUIT INDICATES ALARM T3* ZONE 3 SHORT CIRCUIT INDICATES ALARM circuit monitoring. (Not for use if Alarmsense devices are connected to the zone)	E		
T3* ZONE 3 SHORT CIRCUIT INDICATES ALARM	E		
T4* ZONE 4 SHORT CIRCUIT INDICATES ALARM 75* ZONE 5 SHORT CIRCUIT INDICATES ALARM 76* ZONE 6 SHORT CIRCUIT INDICATES ALARM 77* ZONE 7 SHORT CIRCUIT INDICATES ALARM 78* ZONE 8 SHORT CIRCUIT INDICATES ALARM 78* ZONE 8 SHORT CIRCUIT INDICATES ALARM 78* ZONE 8 SHORT CIRCUIT INDICATES ALARM 81* ZONE 1 NON-LATCHING 82* ZONE 2 NON-LATCHING 83* ZONE 3 NON-LATCHING 84* ZONE 4 NON-LATCHING 85* ZONE 5 NON-LATCHING 86* ZONE 6 NON-LATCHING 87* ZONE 7 NON-LATCHING 88* ZONE 7 NON-LATCHING 88* ZONE 8 NON-LATCHING 88* ZONE 8 NON-LATCHING 88* ZONE 8 NON-LATCHING 88* ZONE 8 NON-LATCHING 89* ZONE 9 DOES NOT SOUND ALARMS 94 ZONE 1 DOES NOT SOUND ALARMS 95 ZONE 2 DOES NOT SOUND ALARMS 96 ZONE 6 DOES NOT SOUND ALARMS 97 ZONE 7 DOES NOT SOUND ALARMS 98 ZONE 8 DOES NOT SOUND ALARMS 99 ZONE 8 DOES NOT SOUND ALARMS 99 ZONE 9 DOES NOT SOUND ALARMS 90 ZONE 1 ANY ALARM DELAYED A3* ZONE 2 ANY ALARM DELAYED A4* ZONE 4 ANY ALARM DELAYED A5* ZONE 6 ANY ALARM DELAYED A6* ZONE 6 ANY ALARM DELAYED A7* ZONE 6 ANY ALARM DELAYED A7* ZONE 6 ANY ALARM DELAYED A8* ZONE 6 ANY ALARM DELAYED A	E 71*	ZONE 1 SHORT CIRCUIT INDICATES ALARM	Changes the trigger threshold of the
75* ZONE 5 SHORT CIRCUIT INDICATES ALARM 76* ZONE 6 SHORT CIRCUIT INDICATES ALARM 77* ZONE 7 SHORT CIRCUIT INDICATES ALARM 78* ZONE 8 SHORT CIRCUIT INDICATES ALARM 78* ZONE 2 NON-LATCHING 1t can be used to receive signals from other systems and will reset when the input is removed. Note: It can take up to 20 seconds for zone to reset itself when sounders are operating. Note: It can take up to 20 seconds for zone to reset itself when sounders are operating. Note: It can take up to 20 seconds for zone to reset itself when sounders are operating. Note: It can take up to 20 seconds for zone to reset itself when sounders are operating. Note: It can take up to 20 seconds for zone to reset itself when sounders are operating. Note: It can take up to 20 seconds for zone to reset itself when sounders are operating. Note: It can take up to 20 seconds for zone to reset itself when sounders are operating. Note: It can take up to 20 seconds for zone to reset itself when sounders are operating. Note: It can take up to 20 seconds for zone to reset itself when sounders are operating. Note: It can take up to 20 seconds for zone to reset itself when sounders are operating. Note: It can take up to 20 seconds for zone to reset itself when sounders are operating. Note: It can take up to 20 seconds for zone to reset itself when sounders are operating. Note: It can take up to 20 seconds for zone to reset itself when sounders are operating. Note: It can take up to 20 seconds for zone to reset itself when sounders are operating. Note: It can take up to 20 seconds for zone to reset itself when sounders are operating. Note: It can take up to 20 seconds for zone to reset itself when sounders are operating. Note: It can take up to 20 seconds for zone to reset itself when sounders are operating. Note: It can take up to 20 seconds for zone to 20 seconds for zone to 20	71* 72*	ZONE 1 SHORT CIRCUIT INDICATES ALARM ZONE 2 SHORT CIRCUIT INDICATES ALARM	Changes the trigger threshold of the zone so that the control panel can be
76* ZONE 6 SHORT CIRCUIT INDICATES ALARM 77* ZONE 7 SHORT CIRCUIT INDICATES ALARM 78* ZONE 8 SHORT CIRCUIT INDICATES ALARM 81* ZONE 1 NON-LATCHING 82* ZONE 2 NON-LATCHING 83* ZONE 3 NON-LATCHING 84* ZONE 4 NON-LATCHING 85* ZONE 5 NON-LATCHING 86* ZONE 5 NON-LATCHING 86* ZONE 6 NON-LATCHING 87* ZONE 7 NON-LATCHING 88* ZONE 8 NON-LATCHING 88* ZONE 8 NON-LATCHING 89* ZONE 8 NON-LATCHING 80* ZONE 9 NON-LATCHING 80* ZONE 1 DOES NOT SOUND ALARMS 91 ZONE 1 DOES NOT SOUND ALARMS 92 ZONE 2 DOES NOT SOUND ALARMS 93 ZONE 3 DOES NOT SOUND ALARMS 94 ZONE 4 DOES NOT SOUND ALARMS 95 ZONE 5 DOES NOT SOUND ALARMS 96 ZONE 6 DOES NOT SOUND ALARMS 97 ZONE 7 DOES NOT SOUND ALARMS 98 ZONE 8 DOES NOT SOUND ALARMS 99 ZONE 6 DOES NOT SOUND ALARMS 90 ZONE 7 DOES NOT SOUND ALARMS 91 ZONE 7 DOES NOT SOUND ALARMS 92 ZONE 8 DOES NOT SOUND ALARMS 93 ZONE 8 DOES NOT SOUND ALARMS 94 ZONE 8 DOES NOT SOUND ALARMS 95 ZONE 6 DOES NOT SOUND ALARMS 96 ZONE 6 DOES NOT SOUND ALARMS 97 ZONE 7 DOES NOT SOUND ALARMS 98 ZONE 8 DOES NOT SOUND ALARMS 99 ZONE 8 DOES NOT SOUND ALARMS 90 ZONE 8 DOES NOT SOUND ALARMS 91 ZONE 2 ANY ALARM DELAYED A2* ZONE 2 ANY ALARM DELAYED A3* ZONE 3 ANY ALARM DELAYED A4* ZONE 4 ANY ALARM DELAYED A4* ZONE 4 ANY ALARM DELAYED A5* ZONE 4 ANY ALARM DELAYED A6* ZONE 4 ANY ALARM DELAYED	71* 72* 73*	ZONE 1 SHORT CIRCUIT INDICATES ALARM ZONE 2 SHORT CIRCUIT INDICATES ALARM ZONE 3 SHORT CIRCUIT INDICATES ALARM	Changes the trigger threshold of the zone so that the control panel can be used on older systems that had no short
T7* ZONE 7 SHORT CIRCUIT INDICATES ALARM	71* 72* 73* 74*	ZONE 1 SHORT CIRCUIT INDICATES ALARM ZONE 2 SHORT CIRCUIT INDICATES ALARM ZONE 3 SHORT CIRCUIT INDICATES ALARM ZONE 4 SHORT CIRCUIT INDICATES ALARM	Changes the trigger threshold of the zone so that the control panel can be used on older systems that had no short circuit monitoring. (Not for use if Alarmsense devices are
T7* ZONE 7 SHORT CIRCUIT INDICATES ALARM	71* 72* 73* 74*	ZONE 1 SHORT CIRCUIT INDICATES ALARM ZONE 2 SHORT CIRCUIT INDICATES ALARM ZONE 3 SHORT CIRCUIT INDICATES ALARM ZONE 4 SHORT CIRCUIT INDICATES ALARM	Changes the trigger threshold of the zone so that the control panel can be used on older systems that had no short circuit monitoring. (Not for use if Alarmsense devices are
Renders the zone self-resetting so that	71* 72* 73* 74* 75*	ZONE 1 SHORT CIRCUIT INDICATES ALARM ZONE 2 SHORT CIRCUIT INDICATES ALARM ZONE 3 SHORT CIRCUIT INDICATES ALARM ZONE 4 SHORT CIRCUIT INDICATES ALARM ZONE 5 SHORT CIRCUIT INDICATES ALARM	Changes the trigger threshold of the zone so that the control panel can be used on older systems that had no short circuit monitoring. (Not for use if Alarmsense devices are
81* ZONE 1 NON-LATCHING 82* ZONE 2 NON-LATCHING 83* ZONE 3 NON-LATCHING 84* ZONE 4 NON-LATCHING 85* ZONE 5 NON-LATCHING 85* ZONE 6 NON-LATCHING 86* ZONE 6 NON-LATCHING 87* ZONE 7 NON-LATCHING 88* ZONE 8 NON-LATCHING 88* ZONE 8 NON-LATCHING 88* ZONE 8 NON-LATCHING 89* ZONE 1 DOES NOT SOUND ALARMS 91 ZONE 2 DOES NOT SOUND ALARMS 92 ZONE 2 DOES NOT SOUND ALARMS 93 ZONE 3 DOES NOT SOUND ALARMS 94 ZONE 4 DOES NOT SOUND ALARMS 95 ZONE 5 DOES NOT SOUND ALARMS 96 ZONE 6 DOES NOT SOUND ALARMS 97 ZONE 7 DOES NOT SOUND ALARMS 98 ZONE 8 DOES NOT SOUND ALARMS 99 ZONE 8 DOES NOT SOUND ALARMS 90 ZONE 8 DOES NOT SOUND ALARMS 91 ZONE 9 DOES NOT SOUND ALARMS 92 ZONE 9 DOES NOT SOUND ALARMS 93 ZONE 9 DOES NOT SOUND ALARMS 94 ZONE 9 DOES NOT SOUND ALARMS 95 ZONE 9 DOES NOT SOUND ALARMS 96 ZONE 9 DOES NOT SOUND ALARMS 97 ZONE 7 DOES NOT SOUND ALARMS 98 ZONE 8 DOES NOT SOUND ALARMS 99 ZONE 8 DOES NOT SOUND ALARMS 90 ZONE 9 DOES NOT SOUND ALARMS 90 ZONE 9 DOES NOT SOUND ALARMS 91 ZONE 9 DOES NOT SOUND ALARMS 92 ZONE 9 DOES NOT SOUND ALARMS 93 ZONE 9 DOES NOT SOUND ALARMS 94 ZONE 9 DOES NOT SOUND ALARMS 95 ZONE 9 DOES NOT SOUND ALARMS 96 ZONE 9 DOES NOT SOUND ALARMS 97 ZONE 9 DOES NOT SOUND ALARMS 98 ZONE 9 DOES NOT SOUND ALARMS 99 ZONE 9 DOES NOT SOUND ALARMS 90 ZONE 9 DOES NOT SOUND ALARMS 90 ZONE 9 DOES NOT SOUND ALARMS 91 ZONE 9 DOES NOT SOUND ALARMS 92 ZONE 9 DOES NOT SOUND ALARMS 93 ZONE 9 DOES NOT SOUND ALARMS 94 ZONE 9 DOES NOT SOUND ALARMS 95 ZONE 9 DOES NOT SOUND ALARMS 96 ZONE 9 DOES NOT SOUND ALARMS 97 ZONE 9 DOES NOT SOUND ALARMS 98 ZONE 9 DOES NOT SOUND ALARMS 99 ZONE 9 DOES NOT SOUND ALARMS 90 ZONE 9 DOES NOT SOUND ALARMS 90 ZONE 9 DOES NOT SOUND ALARMS 90 ZONE 9 DOES NOT SOUND ALARMS 91 ZONE 9 DOES NOT SOUND ALARMS 92 ZONE 9 DOES NOT SOUND ALARMS 93 ZONE 9 DOES NOT SOUND ALARMS 94 ZONE 9 DOES NOT SOUND ALARMS 95 ZONE 9 DOES NOT SOUND ALARMS 96 ZONE 9 DOES NOT SOUND ALARMS 97 ZONE 9 DOES NOT SOUND ALARMS 98 ZONE 9 DOES NOT SOUND ALARMS 99 ZONE 9 DOES NOT SOUND ALARMS 99 ZONE 9 DOES NOT SOUND ALARMS 90 ZONE 9 DOES NOT SO	E 71* 72* 73* 74* 75* 76*	ZONE 1 SHORT CIRCUIT INDICATES ALARM ZONE 2 SHORT CIRCUIT INDICATES ALARM ZONE 3 SHORT CIRCUIT INDICATES ALARM ZONE 4 SHORT CIRCUIT INDICATES ALARM ZONE 5 SHORT CIRCUIT INDICATES ALARM ZONE 6 SHORT CIRCUIT INDICATES ALARM	Changes the trigger threshold of the zone so that the control panel can be used on older systems that had no short circuit monitoring. (Not for use if Alarmsense devices are
B2* ZONE 2 NON-LATCHING B3* ZONE 3 NON-LATCHING Other systems and will reset when the input is removed. Note: It can take up to 20 seconds for zone to reset itself when sounders are operating. (Not for use if Alarmsense devices are connected to the zone)	E 71* 72* 73* 74* 75* 76* 77*	ZONE 1 SHORT CIRCUIT INDICATES ALARM ZONE 2 SHORT CIRCUIT INDICATES ALARM ZONE 3 SHORT CIRCUIT INDICATES ALARM ZONE 4 SHORT CIRCUIT INDICATES ALARM ZONE 5 SHORT CIRCUIT INDICATES ALARM ZONE 6 SHORT CIRCUIT INDICATES ALARM ZONE 7 SHORT CIRCUIT INDICATES ALARM	Changes the trigger threshold of the zone so that the control panel can be used on older systems that had no short circuit monitoring. (Not for use if Alarmsense devices are
B2* ZONE 2 NON-LATCHING B3* ZONE 3 NON-LATCHING Other systems and will reset when the input is removed. Note: It can take up to 20 seconds for zone to reset itself when sounders are operating. (Not for use if Alarmsense devices are connected to the zone)	E 71* 72* 73* 74* 75* 76* 77*	ZONE 1 SHORT CIRCUIT INDICATES ALARM ZONE 2 SHORT CIRCUIT INDICATES ALARM ZONE 3 SHORT CIRCUIT INDICATES ALARM ZONE 4 SHORT CIRCUIT INDICATES ALARM ZONE 5 SHORT CIRCUIT INDICATES ALARM ZONE 6 SHORT CIRCUIT INDICATES ALARM ZONE 7 SHORT CIRCUIT INDICATES ALARM	Changes the trigger threshold of the zone so that the control panel can be used on older systems that had no short circuit monitoring. (Not for use if Alarmsense devices are
B2* ZONE 2 NON-LATCHING B3* ZONE 3 NON-LATCHING Other systems and will reset when the input is removed. Note: It can take up to 20 seconds for zone to reset itself when sounders are operating. (Not for use if Alarmsense devices are connected to the zone)	E 71* 72* 73* 74* 75* 76* 77*	ZONE 1 SHORT CIRCUIT INDICATES ALARM ZONE 2 SHORT CIRCUIT INDICATES ALARM ZONE 3 SHORT CIRCUIT INDICATES ALARM ZONE 4 SHORT CIRCUIT INDICATES ALARM ZONE 5 SHORT CIRCUIT INDICATES ALARM ZONE 6 SHORT CIRCUIT INDICATES ALARM ZONE 7 SHORT CIRCUIT INDICATES ALARM	Changes the trigger threshold of the zone so that the control panel can be used on older systems that had no short circuit monitoring. (Not for use if Alarmsense devices are
83* ZONE 3 NON-LATCHING 84* ZONE 4 NON-LATCHING 85* ZONE 5 NON-LATCHING 86* ZONE 6 NON-LATCHING 87* ZONE 7 NON-LATCHING 88* ZONE 8 NON-LATCHING 88* ZONE 8 NON-LATCHING 91 ZONE 1 DOES NOT SOUND ALARMS 92 ZONE 2 DOES NOT SOUND ALARMS 93 ZONE 3 DOES NOT SOUND ALARMS 94 ZONE 4 DOES NOT SOUND ALARMS 95 ZONE 5 DOES NOT SOUND ALARMS 96 ZONE 6 DOES NOT SOUND ALARMS 97 ZONE 7 DOES NOT SOUND ALARMS 98 ZONE 8 DOES NOT SOUND ALARMS 99 ZONE 8 DOES NOT SOUND ALARMS 90 ZONE 8 DOES NOT SOUND ALARMS 91 ZONE 8 DOES NOT SOUND ALARMS 92 ZONE 8 DOES NOT SOUND ALARMS 93 ZONE 8 DOES NOT SOUND ALARMS 94 ZONE 8 DOES NOT SOUND ALARMS 95 ZONE 8 DOES NOT SOUND ALARMS 96 ZONE 8 DOES NOT SOUND ALARMS 97 ZONE 7 DOES NOT SOUND ALARMS 98 ZONE 8 DOES NOT SOUND ALARMS 99 ZONE 8 DOES NOT SOUND ALARMS 20NE 8 DOES NOT SOUND A	E 71* 72* 73* 74* 75* 76* 77* 78*	ZONE 1 SHORT CIRCUIT INDICATES ALARM ZONE 2 SHORT CIRCUIT INDICATES ALARM ZONE 3 SHORT CIRCUIT INDICATES ALARM ZONE 4 SHORT CIRCUIT INDICATES ALARM ZONE 5 SHORT CIRCUIT INDICATES ALARM ZONE 6 SHORT CIRCUIT INDICATES ALARM ZONE 7 SHORT CIRCUIT INDICATES ALARM ZONE 8 SHORT CIRCUIT INDICATES ALARM	Changes the trigger threshold of the zone so that the control panel can be used on older systems that had no short circuit monitoring. (Not for use if Alarmsense devices are connected to the zone)
S4* ZONE 4 NON-LATCHING S5* ZONE 5 NON-LATCHING Note: It can take up to 20 seconds for zone to reset itself S6* ZONE 6 NON-LATCHING When sounders are operating. (Not for use if Alarmsense devices are connected to the zone)	E 71* 72* 73* 74* 75* 76* 77* 78*	ZONE 1 SHORT CIRCUIT INDICATES ALARM ZONE 2 SHORT CIRCUIT INDICATES ALARM ZONE 3 SHORT CIRCUIT INDICATES ALARM ZONE 4 SHORT CIRCUIT INDICATES ALARM ZONE 5 SHORT CIRCUIT INDICATES ALARM ZONE 6 SHORT CIRCUIT INDICATES ALARM ZONE 7 SHORT CIRCUIT INDICATES ALARM ZONE 8 SHORT CIRCUIT INDICATES ALARM ZONE 1 NON-LATCHING	Changes the trigger threshold of the zone so that the control panel can be used on older systems that had no short circuit monitoring. (Not for use if Alarmsense devices are connected to the zone) Renders the zone self-resetting so that
Note: It can take up to 20 seconds for zone to reset itself	E 71* 72* 73* 74* 75* 76* 77* 78*	ZONE 1 SHORT CIRCUIT INDICATES ALARM ZONE 2 SHORT CIRCUIT INDICATES ALARM ZONE 3 SHORT CIRCUIT INDICATES ALARM ZONE 4 SHORT CIRCUIT INDICATES ALARM ZONE 5 SHORT CIRCUIT INDICATES ALARM ZONE 6 SHORT CIRCUIT INDICATES ALARM ZONE 7 SHORT CIRCUIT INDICATES ALARM ZONE 8 SHORT CIRCUIT INDICATES ALARM ZONE 8 SHORT CIRCUIT INDICATES ALARM ZONE 1 NON-LATCHING ZONE 2 NON-LATCHING	Changes the trigger threshold of the zone so that the control panel can be used on older systems that had no short circuit monitoring. (Not for use if Alarmsense devices are connected to the zone) Renders the zone self-resetting so that it can be used to receive signals from
Note: It can take up to 20 seconds for zone to reset itself when sounders are operating. (Not for use if Alarmsense devices are connected to the zone) Sone	E 71* 72* 73* 74* 75* 76* 77* 78* 81* 82* 83*	ZONE 1 SHORT CIRCUIT INDICATES ALARM ZONE 2 SHORT CIRCUIT INDICATES ALARM ZONE 3 SHORT CIRCUIT INDICATES ALARM ZONE 4 SHORT CIRCUIT INDICATES ALARM ZONE 5 SHORT CIRCUIT INDICATES ALARM ZONE 6 SHORT CIRCUIT INDICATES ALARM ZONE 7 SHORT CIRCUIT INDICATES ALARM ZONE 8 SHORT CIRCUIT INDICATES ALARM ZONE 1 NON-LATCHING ZONE 2 NON-LATCHING ZONE 3 NON-LATCHING	Changes the trigger threshold of the zone so that the control panel can be used on older systems that had no short circuit monitoring. (Not for use if Alarmsense devices are connected to the zone) Renders the zone self-resetting so that it can be used to receive signals from other systems and will reset when the
86* ZONE 6 NON-LATCHING 87* ZONE 7 NON-LATCHING 88* ZONE 8 NON-LATCHING 91 ZONE 1 DOES NOT SOUND ALARMS 92 ZONE 2 DOES NOT SOUND ALARMS 93 ZONE 3 DOES NOT SOUND ALARMS 94 ZONE 4 DOES NOT SOUND ALARMS 95 ZONE 5 DOES NOT SOUND ALARMS 96 ZONE 6 DOES NOT SOUND ALARMS 97 ZONE 7 DOES NOT SOUND ALARMS 98 ZONE 8 DOES NOT SOUND ALARMS 99 ZONE 9 DOES NOT SOUND ALARMS 90 ZONE 8 DOES NOT SOUND ALARMS 91 ZONE 9 DOES NOT SOUND ALARMS 92 ZONE 9 DOES NOT SOUND ALARMS 93 ZONE 9 DOES NOT SOUND ALARMS 94 ZONE 9 DOES NOT SOUND ALARMS 95 ZONE 9 DOES NOT SOUND ALARMS 96 ZONE 9 DOES NOT SOUND ALARMS 97 ZONE 9 DOES NOT SOUND ALARMS 98 ZONE 9 DOES NOT SOUND ALARMS 200 LANY ALARM DELAYED 200 LANY ALARM DELAYED 201 LANY ALARM DELAYED 202 LANY ALARM DELAYED 203 LARMS SOUND ALARMS 204 LANY ALARM DELAYED 205 LANY ALARM DELAYED 206 LANY ALARM DELAYED 207 LORD SOUND ALARMS 208 LANY ALARM DELAYED 208 LANY ALARM DELAYED 209 LANY ALARM DELAYED 209 LANY ALARM DELAYED 200 LARMS SOUND ALARMS 200 LANY ALARM DELAYED 200 LARMS SOUND ALARMS 200 LARMS SOUND ALARMS 200 LANY ALARM DELAYED 200 LARMS SOUND ALARMS 200 LANY ALARM DELAYED 200 LARMS SOUND ALARMS SOUND ALARMS 200 LARMS SOUND ALARMS 200 LARMS SOUND ALARMS SOUND ALARMS 200 LARMS SOUND ALARMS SOU	E 71* 72* 73* 74* 75* 76* 77* 78* 81* 82* 83*	ZONE 1 SHORT CIRCUIT INDICATES ALARM ZONE 2 SHORT CIRCUIT INDICATES ALARM ZONE 3 SHORT CIRCUIT INDICATES ALARM ZONE 4 SHORT CIRCUIT INDICATES ALARM ZONE 5 SHORT CIRCUIT INDICATES ALARM ZONE 6 SHORT CIRCUIT INDICATES ALARM ZONE 7 SHORT CIRCUIT INDICATES ALARM ZONE 8 SHORT CIRCUIT INDICATES ALARM ZONE 1 NON-LATCHING ZONE 2 NON-LATCHING ZONE 3 NON-LATCHING	Changes the trigger threshold of the zone so that the control panel can be used on older systems that had no short circuit monitoring. (Not for use if Alarmsense devices are connected to the zone) Renders the zone self-resetting so that it can be used to receive signals from other systems and will reset when the input is removed.
87* ZONE 7 NON-LATCHING 88* ZONE 8 NON-LATCHING 91 ZONE 1 DOES NOT SOUND ALARMS 92 ZONE 2 DOES NOT SOUND ALARMS 93 ZONE 3 DOES NOT SOUND ALARMS 94 ZONE 4 DOES NOT SOUND ALARMS 95 ZONE 5 DOES NOT SOUND ALARMS 96 ZONE 6 DOES NOT SOUND ALARMS 97 ZONE 7 DOES NOT SOUND ALARMS 98 ZONE 8 DOES NOT SOUND ALARMS 98 ZONE 8 DOES NOT SOUND ALARMS 98 ZONE 8 DOES NOT SOUND ALARMS A1* ZONE 1 ANY ALARM DELAYED A2* ZONE 2 ANY ALARM DELAYED A3* ZONE 3 ANY ALARM DELAYED A4* ZONE 4 ANY ALARM DELAYED A6* ZONE 4 ANY ALARM DELAYED A1* ZONE 4 ANY ALARM DELAYED A2* ZONE 3 ANY ALARM DELAYED A4* ZONE 4 ANY ALARM DELAYED A6* ZONE 4 ANY ALARM DELAYED A1* ZONE 4 ANY ALARM DELAYED A4* ZONE 4 ANY ALARM DELAYED A6* ZONE 4 ANY ALARM DELAYED	E 71* 72* 73* 74* 75* 76* 77* 78* 81* 82* 83* 84*	ZONE 1 SHORT CIRCUIT INDICATES ALARM ZONE 2 SHORT CIRCUIT INDICATES ALARM ZONE 3 SHORT CIRCUIT INDICATES ALARM ZONE 4 SHORT CIRCUIT INDICATES ALARM ZONE 5 SHORT CIRCUIT INDICATES ALARM ZONE 6 SHORT CIRCUIT INDICATES ALARM ZONE 7 SHORT CIRCUIT INDICATES ALARM ZONE 8 SHORT CIRCUIT INDICATES ALARM ZONE 1 NON-LATCHING ZONE 2 NON-LATCHING ZONE 3 NON-LATCHING ZONE 4 NON-LATCHING	Changes the trigger threshold of the zone so that the control panel can be used on older systems that had no short circuit monitoring. (Not for use if Alarmsense devices are connected to the zone) Renders the zone self-resetting so that it can be used to receive signals from other systems and will reset when the input is removed.
88* ZONE 8 NON-LATCHING 91 ZONE 1 DOES NOT SOUND ALARMS 92 ZONE 2 DOES NOT SOUND ALARMS 93 ZONE 3 DOES NOT SOUND ALARMS 94 ZONE 4 DOES NOT SOUND ALARMS 95 ZONE 5 DOES NOT SOUND ALARMS 96 ZONE 6 DOES NOT SOUND ALARMS 97 ZONE 7 DOES NOT SOUND ALARMS 98 ZONE 8 DOES NOT SOUND ALARMS 98 ZONE 8 DOES NOT SOUND ALARMS A1* ZONE 1 ANY ALARM DELAYED A2* ZONE 2 ANY ALARM DELAYED A3* ZONE 3 ANY ALARM DELAYED A4* ZONE 4 ANY ALARM DELAYED A6* ZONE 4 ANY ALARM DELAYED A1* ZONE 3 ANY ALARM DELAYED A1* ZONE 3 ANY ALARM DELAYED A2* ZONE 3 ANY ALARM DELAYED A4* ZONE 4 ANY ALARM DELAYED A1* ZONE 4 ANY ALARM DELAYED A1* ZONE 3 ANY ALARM DELAYED A1* ZONE 4 ANY ALARM DELAYED A2* ZONE 3 ANY ALARM DELAYED A4* ZONE 4 ANY ALARM DELAYED A4* ZONE 4 ANY ALARM DELAYED A1* ZONE 4 ANY ALARM DELAYED A1* ZONE 3 ANY ALARM DELAYED A2* ZONE 3 ANY ALARM DELAYED A4* ZONE 4 ANY ALARM DELAYED A4* ZONE 4 ANY ALARM DELAYED	E 71* 72* 73* 74* 75* 76* 77* 78* 81* 82* 83* 84* 85*	ZONE 1 SHORT CIRCUIT INDICATES ALARM ZONE 2 SHORT CIRCUIT INDICATES ALARM ZONE 3 SHORT CIRCUIT INDICATES ALARM ZONE 4 SHORT CIRCUIT INDICATES ALARM ZONE 5 SHORT CIRCUIT INDICATES ALARM ZONE 6 SHORT CIRCUIT INDICATES ALARM ZONE 7 SHORT CIRCUIT INDICATES ALARM ZONE 8 SHORT CIRCUIT INDICATES ALARM ZONE 8 SHORT CIRCUIT INDICATES ALARM ZONE 1 NON-LATCHING ZONE 2 NON-LATCHING ZONE 3 NON-LATCHING ZONE 4 NON-LATCHING ZONE 5 NON-LATCHING	Changes the trigger threshold of the zone so that the control panel can be used on older systems that had no short circuit monitoring. (Not for use if Alarmsense devices are connected to the zone) Renders the zone self-resetting so that it can be used to receive signals from other systems and will reset when the input is removed. Note: It can take up to 20 seconds for zone to reset itself
91 ZONE 1 DOES NOT SOUND ALARMS 92 ZONE 2 DOES NOT SOUND ALARMS 93 ZONE 3 DOES NOT SOUND ALARMS 94 ZONE 4 DOES NOT SOUND ALARMS 95 ZONE 5 DOES NOT SOUND ALARMS 96 ZONE 6 DOES NOT SOUND ALARMS 97 ZONE 7 DOES NOT SOUND ALARMS 98 ZONE 8 DOES NOT SOUND ALARMS 98 ZONE 8 DOES NOT SOUND ALARMS A1* ZONE 1 ANY ALARM DELAYED A2* ZONE 2 ANY ALARM DELAYED A3* ZONE 3 ANY ALARM DELAYED A4* ZONE 4 ANY ALARM DELAYED A6* ONE 5 NOT SOUND ALARMS CODE 6 DOES NOT SOUND ALARMS Prevents the zone from operating any sounders whether connected the two common sounder outputs or to detection zones. Prevents the zone from operating any sounders whether connected the two common sounder outputs or to detection zones. Prevents the zone from operating any sounders whether connected the two common sounder outputs or to detection zones. Prevents the zone from operating any sounders whether connected the two common sounder outputs or to detection zones.	E 71* 72* 73* 74* 75* 76* 77* 78* 81* 82* 83* 84* 85* 86*	ZONE 1 SHORT CIRCUIT INDICATES ALARM ZONE 2 SHORT CIRCUIT INDICATES ALARM ZONE 3 SHORT CIRCUIT INDICATES ALARM ZONE 4 SHORT CIRCUIT INDICATES ALARM ZONE 5 SHORT CIRCUIT INDICATES ALARM ZONE 6 SHORT CIRCUIT INDICATES ALARM ZONE 7 SHORT CIRCUIT INDICATES ALARM ZONE 8 SHORT CIRCUIT INDICATES ALARM ZONE 1 NON-LATCHING ZONE 2 NON-LATCHING ZONE 3 NON-LATCHING ZONE 5 NON-LATCHING ZONE 5 NON-LATCHING ZONE 6 NON-LATCHING ZONE 6 NON-LATCHING	Changes the trigger threshold of the zone so that the control panel can be used on older systems that had no short circuit monitoring. (Not for use if Alarmsense devices are connected to the zone) Renders the zone self-resetting so that it can be used to receive signals from other systems and will reset when the input is removed. Note: It can take up to 20 seconds for zone to reset itself when sounders are operating.
91 ZONE 1 DOES NOT SOUND ALARMS 92 ZONE 2 DOES NOT SOUND ALARMS 93 ZONE 3 DOES NOT SOUND ALARMS 94 ZONE 4 DOES NOT SOUND ALARMS 95 ZONE 5 DOES NOT SOUND ALARMS 96 ZONE 6 DOES NOT SOUND ALARMS 97 ZONE 7 DOES NOT SOUND ALARMS 98 ZONE 8 DOES NOT SOUND ALARMS 99 ZONE 1 ANY ALARM DELAYED A2* ZONE 2 ANY ALARM DELAYED A3* ZONE 3 ANY ALARM DELAYED A4* ZONE 4 ANY ALARM DELAYED A4* ZONE 4 ANY ALARM DELAYED A4* ZONE 4 ANY ALARM DELAYED A6 ZONE 4 ANY ALARM DELAYED A6 ZONE 3 ANY ALARM DELAYED A6 ZONE 3 ANY ALARM DELAYED A6 ZONE 4 ANY ALARM DELAYED A6 ZONE 5 DOES NOT SOUND ALARMS CONE 7 DOES NOT SOUND ALARMS AND CONE 7 DOES NOT SOUND ALARMS CONE 7 DOES NOT SOUND ALARMS AND CONE 7 DOES NOT SOUND ALARMS CONE 7 DOES NOT SOUND ALARMS AND CONE 7 DOES NOT	E 71* 72* 73* 74* 75* 76* 77* 78* 81* 82* 83* 84* 85* 86* 87*	ZONE 1 SHORT CIRCUIT INDICATES ALARM ZONE 2 SHORT CIRCUIT INDICATES ALARM ZONE 3 SHORT CIRCUIT INDICATES ALARM ZONE 4 SHORT CIRCUIT INDICATES ALARM ZONE 5 SHORT CIRCUIT INDICATES ALARM ZONE 6 SHORT CIRCUIT INDICATES ALARM ZONE 7 SHORT CIRCUIT INDICATES ALARM ZONE 8 SHORT CIRCUIT INDICATES ALARM ZONE 1 NON-LATCHING ZONE 2 NON-LATCHING ZONE 3 NON-LATCHING ZONE 4 NON-LATCHING ZONE 5 NON-LATCHING ZONE 6 NON-LATCHING ZONE 7 NON-LATCHING	Changes the trigger threshold of the zone so that the control panel can be used on older systems that had no short circuit monitoring. (Not for use if Alarmsense devices are connected to the zone) Renders the zone self-resetting so that it can be used to receive signals from other systems and will reset when the input is removed. Note: It can take up to 20 seconds for zone to reset itself when sounders are operating. (Not for use if Alarmsense devices are connected to the
92ZONE 2 DOES NOT SOUND ALARMSconnected the two common sounder outputs or to93ZONE 3 DOES NOT SOUND ALARMSdetection zones.94ZONE 4 DOES NOT SOUND ALARMS95ZONE 5 DOES NOT SOUND ALARMS96ZONE 6 DOES NOT SOUND ALARMS97ZONE 7 DOES NOT SOUND ALARMS98ZONE 8 DOES NOT SOUND ALARMS98ZONE 1 ANY ALARM DELAYEDA2*ZONE 2 ANY ALARM DELAYEDA3*ZONE 3 ANY ALARM DELAYEDA4*ZONE 4 ANY ALARM DELAYEDA4*ZONE 4 ANY ALARM DELAYED (Detectors fitted to Alarmsense non-priority sounders are not delayed)	E 71* 72* 73* 74* 75* 76* 77* 78* 81* 82* 83* 84* 85* 86* 87*	ZONE 1 SHORT CIRCUIT INDICATES ALARM ZONE 2 SHORT CIRCUIT INDICATES ALARM ZONE 3 SHORT CIRCUIT INDICATES ALARM ZONE 4 SHORT CIRCUIT INDICATES ALARM ZONE 5 SHORT CIRCUIT INDICATES ALARM ZONE 6 SHORT CIRCUIT INDICATES ALARM ZONE 7 SHORT CIRCUIT INDICATES ALARM ZONE 8 SHORT CIRCUIT INDICATES ALARM ZONE 1 NON-LATCHING ZONE 2 NON-LATCHING ZONE 3 NON-LATCHING ZONE 4 NON-LATCHING ZONE 5 NON-LATCHING ZONE 6 NON-LATCHING ZONE 7 NON-LATCHING	Changes the trigger threshold of the zone so that the control panel can be used on older systems that had no short circuit monitoring. (Not for use if Alarmsense devices are connected to the zone) Renders the zone self-resetting so that it can be used to receive signals from other systems and will reset when the input is removed. Note: It can take up to 20 seconds for zone to reset itself when sounders are operating. (Not for use if Alarmsense devices are connected to the
92ZONE 2 DOES NOT SOUND ALARMSconnected the two common sounder outputs or to93ZONE 3 DOES NOT SOUND ALARMSdetection zones.94ZONE 4 DOES NOT SOUND ALARMS95ZONE 5 DOES NOT SOUND ALARMS96ZONE 6 DOES NOT SOUND ALARMS97ZONE 7 DOES NOT SOUND ALARMS98ZONE 8 DOES NOT SOUND ALARMS98ZONE 1 ANY ALARM DELAYEDA2*ZONE 2 ANY ALARM DELAYEDA3*ZONE 3 ANY ALARM DELAYEDA4*ZONE 4 ANY ALARM DELAYEDA4*ZONE 4 ANY ALARM DELAYED (Detectors fitted to Alarmsense non-priority sounders are not delayed)	E 71* 72* 73* 74* 75* 76* 77* 78* 81* 82* 83* 84* 85* 86* 87*	ZONE 1 SHORT CIRCUIT INDICATES ALARM ZONE 2 SHORT CIRCUIT INDICATES ALARM ZONE 3 SHORT CIRCUIT INDICATES ALARM ZONE 4 SHORT CIRCUIT INDICATES ALARM ZONE 5 SHORT CIRCUIT INDICATES ALARM ZONE 6 SHORT CIRCUIT INDICATES ALARM ZONE 7 SHORT CIRCUIT INDICATES ALARM ZONE 8 SHORT CIRCUIT INDICATES ALARM ZONE 1 NON-LATCHING ZONE 2 NON-LATCHING ZONE 3 NON-LATCHING ZONE 4 NON-LATCHING ZONE 5 NON-LATCHING ZONE 6 NON-LATCHING ZONE 7 NON-LATCHING	Changes the trigger threshold of the zone so that the control panel can be used on older systems that had no short circuit monitoring. (Not for use if Alarmsense devices are connected to the zone) Renders the zone self-resetting so that it can be used to receive signals from other systems and will reset when the input is removed. Note: It can take up to 20 seconds for zone to reset itself when sounders are operating. (Not for use if Alarmsense devices are connected to the
93 ZONE 3 DOES NOT SOUND ALARMS 94 ZONE 4 DOES NOT SOUND ALARMS 95 ZONE 5 DOES NOT SOUND ALARMS 96 ZONE 6 DOES NOT SOUND ALARMS 97 ZONE 7 DOES NOT SOUND ALARMS 98 ZONE 8 DOES NOT SOUND ALARMS A1* ZONE 1 ANY ALARM DELAYED A2* ZONE 2 ANY ALARM DELAYED A3* ZONE 3 ANY ALARM DELAYED A4* ZONE 4 ANY ALARM DELAYED A6* ANY ALARM DELAYED	E 71* 72* 73* 74* 75* 76* 77* 78* 81* 82* 83* 84* 85* 86* 87* 88*	ZONE 1 SHORT CIRCUIT INDICATES ALARM ZONE 2 SHORT CIRCUIT INDICATES ALARM ZONE 3 SHORT CIRCUIT INDICATES ALARM ZONE 4 SHORT CIRCUIT INDICATES ALARM ZONE 5 SHORT CIRCUIT INDICATES ALARM ZONE 6 SHORT CIRCUIT INDICATES ALARM ZONE 7 SHORT CIRCUIT INDICATES ALARM ZONE 8 SHORT CIRCUIT INDICATES ALARM ZONE 1 NON-LATCHING ZONE 2 NON-LATCHING ZONE 3 NON-LATCHING ZONE 4 NON-LATCHING ZONE 5 NON-LATCHING ZONE 6 NON-LATCHING ZONE 7 NON-LATCHING ZONE 7 NON-LATCHING ZONE 8 NON-LATCHING	Changes the trigger threshold of the zone so that the control panel can be used on older systems that had no short circuit monitoring. (Not for use if Alarmsense devices are connected to the zone) Renders the zone self-resetting so that it can be used to receive signals from other systems and will reset when the input is removed. Note: It can take up to 20 seconds for zone to reset itself when sounders are operating. (Not for use if Alarmsense devices are connected to the zone)
94 ZONE 4 DOES NOT SOUND ALARMS 95 ZONE 5 DOES NOT SOUND ALARMS 96 ZONE 6 DOES NOT SOUND ALARMS 97 ZONE 7 DOES NOT SOUND ALARMS 98 ZONE 8 DOES NOT SOUND ALARMS A1* ZONE 1 ANY ALARM DELAYED A2* ZONE 2 ANY ALARM DELAYED A3* ZONE 3 ANY ALARM DELAYED A4* ZONE 4 ANY ALARM DELAYED A4* ZONE 4 ANY ALARM DELAYED A4* ZONE 4 ANY ALARM DELAYED A6 ZONE 4 ANY ALARM DELAYED A1 ZONE 4 ANY ALARM DELAYED A2 ZONE 4 ANY ALARM DELAYED A3 ZONE 4 ANY ALARM DELAYED A4 ZONE 4 ANY ALARM DELAYED A5 ZONE 5 DOES NOT SOUND ALARMS ZONE 7 DOES NOT SOUND ALARMS ZONE 8 DOES NOT SOUND ALARMS ZONE 9 Z	E 71* 72* 73* 74* 75* 76* 77* 78* 81* 82* 83* 84* 85* 86* 87* 88*	ZONE 1 SHORT CIRCUIT INDICATES ALARM ZONE 2 SHORT CIRCUIT INDICATES ALARM ZONE 3 SHORT CIRCUIT INDICATES ALARM ZONE 4 SHORT CIRCUIT INDICATES ALARM ZONE 5 SHORT CIRCUIT INDICATES ALARM ZONE 6 SHORT CIRCUIT INDICATES ALARM ZONE 7 SHORT CIRCUIT INDICATES ALARM ZONE 8 SHORT CIRCUIT INDICATES ALARM ZONE 1 NON-LATCHING ZONE 2 NON-LATCHING ZONE 3 NON-LATCHING ZONE 4 NON-LATCHING ZONE 5 NON-LATCHING ZONE 6 NON-LATCHING ZONE 7 NON-LATCHING ZONE 7 NON-LATCHING ZONE 8 NON-LATCHING ZONE 8 NON-LATCHING ZONE 8 NON-LATCHING	Changes the trigger threshold of the zone so that the control panel can be used on older systems that had no short circuit monitoring. (Not for use if Alarmsense devices are connected to the zone) Renders the zone self-resetting so that it can be used to receive signals from other systems and will reset when the input is removed. Note: It can take up to 20 seconds for zone to reset itself when sounders are operating. (Not for use if Alarmsense devices are connected to the zone) Prevents the zone from operating any sounders whether
94 ZONE 4 DOES NOT SOUND ALARMS 95 ZONE 5 DOES NOT SOUND ALARMS 96 ZONE 6 DOES NOT SOUND ALARMS 97 ZONE 7 DOES NOT SOUND ALARMS 98 ZONE 8 DOES NOT SOUND ALARMS A1* ZONE 1 ANY ALARM DELAYED A2* ZONE 2 ANY ALARM DELAYED A3* ZONE 3 ANY ALARM DELAYED A4* ZONE 4 ANY ALARM DELAYED A4* ZONE 4 ANY ALARM DELAYED A4* ZONE 4 ANY ALARM DELAYED A6 ZONE 3 ANY ALARM DELAYED A6 ZONE 4 ANY ALARM DELAYED A6 ZONE 4 ANY ALARM DELAYED A7 ZONE 4 ANY ALARM DELAYED A8 ZONE 4 ANY ALARM DELAYED A8 ZONE 4 ANY ALARM DELAYED A9 ZONE 4 ANY ALARM DELAYED A9 ZONE 5 DOES NOT SOUND ALARMS ZONE 6 DOES NOT SOUND ALARMS ZONE 7 DOES NOT SOUND ALARMS ZONE 8 DOES NOT SOUND ALARMS ZONE 9	E 71* 72* 73* 74* 75* 76* 77* 78* 81* 82* 83* 84* 85* 86* 87* 88*	ZONE 1 SHORT CIRCUIT INDICATES ALARM ZONE 2 SHORT CIRCUIT INDICATES ALARM ZONE 3 SHORT CIRCUIT INDICATES ALARM ZONE 4 SHORT CIRCUIT INDICATES ALARM ZONE 5 SHORT CIRCUIT INDICATES ALARM ZONE 6 SHORT CIRCUIT INDICATES ALARM ZONE 7 SHORT CIRCUIT INDICATES ALARM ZONE 8 SHORT CIRCUIT INDICATES ALARM ZONE 1 NON-LATCHING ZONE 2 NON-LATCHING ZONE 2 NON-LATCHING ZONE 4 NON-LATCHING ZONE 5 NON-LATCHING ZONE 6 NON-LATCHING ZONE 7 NON-LATCHING ZONE 7 NON-LATCHING ZONE 8 NON-LATCHING ZONE 8 NON-LATCHING ZONE 8 NON-LATCHING ZONE 1 DOES NOT SOUND ALARMS ZONE 2 DOES NOT SOUND ALARMS	Changes the trigger threshold of the zone so that the control panel can be used on older systems that had no short circuit monitoring. (Not for use if Alarmsense devices are connected to the zone) Renders the zone self-resetting so that it can be used to receive signals from other systems and will reset when the input is removed. Note: It can take up to 20 seconds for zone to reset itself when sounders are operating. (Not for use if Alarmsense devices are connected to the zone) Prevents the zone from operating any sounders whether connected the two common sounder outputs or to
95 ZONE 5 DOES NOT SOUND ALARMS 96 ZONE 6 DOES NOT SOUND ALARMS 97 ZONE 7 DOES NOT SOUND ALARMS 98 ZONE 8 DOES NOT SOUND ALARMS A1* ZONE 1 ANY ALARM DELAYED A2* ZONE 2 ANY ALARM DELAYED A3* ZONE 3 ANY ALARM DELAYED A4* ZONE 4 ANY ALARM DELAYED A4* ZONE 4 ANY ALARM DELAYED A6 CONE 1 ANY ALARM DELAYED CONE 2 ANY ALARM DELAYED CONE 3 ANY ALARM DELAYED CONE 4 ANY ALARM DELAYED CONE 4 ANY ALARM DELAYED CONE 5	E 71* 72* 73* 74* 75* 76* 77* 78* 81* 82* 83* 84* 85* 86* 87* 88*	ZONE 1 SHORT CIRCUIT INDICATES ALARM ZONE 2 SHORT CIRCUIT INDICATES ALARM ZONE 3 SHORT CIRCUIT INDICATES ALARM ZONE 4 SHORT CIRCUIT INDICATES ALARM ZONE 5 SHORT CIRCUIT INDICATES ALARM ZONE 6 SHORT CIRCUIT INDICATES ALARM ZONE 7 SHORT CIRCUIT INDICATES ALARM ZONE 8 SHORT CIRCUIT INDICATES ALARM ZONE 1 NON-LATCHING ZONE 2 NON-LATCHING ZONE 2 NON-LATCHING ZONE 4 NON-LATCHING ZONE 5 NON-LATCHING ZONE 6 NON-LATCHING ZONE 7 NON-LATCHING ZONE 7 NON-LATCHING ZONE 8 NON-LATCHING ZONE 8 NON-LATCHING ZONE 8 NON-LATCHING ZONE 1 DOES NOT SOUND ALARMS ZONE 2 DOES NOT SOUND ALARMS	Changes the trigger threshold of the zone so that the control panel can be used on older systems that had no short circuit monitoring. (Not for use if Alarmsense devices are connected to the zone) Renders the zone self-resetting so that it can be used to receive signals from other systems and will reset when the input is removed. Note: It can take up to 20 seconds for zone to reset itself when sounders are operating. (Not for use if Alarmsense devices are connected to the zone) Prevents the zone from operating any sounders whether connected the two common sounder outputs or to
96 ZONE 6 DOES NOT SOUND ALARMS 97 ZONE 7 DOES NOT SOUND ALARMS 98 ZONE 8 DOES NOT SOUND ALARMS A1* ZONE 1 ANY ALARM DELAYED A2* ZONE 2 ANY ALARM DELAYED A3* ZONE 3 ANY ALARM DELAYED A4* ZONE 4 ANY ALARM DELAYED A4* ZONE 4 ANY ALARM DELAYED A6 DOES NOT SOUND ALARMS Zone needs to be triggered for 30 seconds continuously before an alarm is generated. (Detectors fitted to Alarmsense non-priority sounders are not delayed)	E 71* 72* 73* 74* 75* 76* 77* 78* 81* 82* 83* 84* 85* 86* 87* 88* 91 92 93	ZONE 1 SHORT CIRCUIT INDICATES ALARM ZONE 2 SHORT CIRCUIT INDICATES ALARM ZONE 3 SHORT CIRCUIT INDICATES ALARM ZONE 4 SHORT CIRCUIT INDICATES ALARM ZONE 5 SHORT CIRCUIT INDICATES ALARM ZONE 6 SHORT CIRCUIT INDICATES ALARM ZONE 7 SHORT CIRCUIT INDICATES ALARM ZONE 8 SHORT CIRCUIT INDICATES ALARM ZONE 1 NON-LATCHING ZONE 2 NON-LATCHING ZONE 2 NON-LATCHING ZONE 4 NON-LATCHING ZONE 5 NON-LATCHING ZONE 6 NON-LATCHING ZONE 7 NON-LATCHING ZONE 7 NON-LATCHING ZONE 8 NON-LATCHING ZONE 8 NON-LATCHING ZONE 1 DOES NOT SOUND ALARMS ZONE 2 DOES NOT SOUND ALARMS ZONE 3 DOES NOT SOUND ALARMS	Changes the trigger threshold of the zone so that the control panel can be used on older systems that had no short circuit monitoring. (Not for use if Alarmsense devices are connected to the zone) Renders the zone self-resetting so that it can be used to receive signals from other systems and will reset when the input is removed. Note: It can take up to 20 seconds for zone to reset itself when sounders are operating. (Not for use if Alarmsense devices are connected to the zone) Prevents the zone from operating any sounders whether connected the two common sounder outputs or to
97 ZONE 7 DOES NOT SOUND ALARMS 98 ZONE 8 DOES NOT SOUND ALARMS A1* ZONE 1 ANY ALARM DELAYED A2* ZONE 2 ANY ALARM DELAYED A3* ZONE 3 ANY ALARM DELAYED A4* ZONE 4 ANY ALARM DELAYED A4* ZONE 4 ANY ALARM DELAYED A4* ZONE 4 ANY ALARM DELAYED A6* DOES NOT SOUND ALARMS ZONE 1 ANY ALARM DELAYED CDETECTOR 10 Zone needs to be triggered for 30 seconds continuously before an alarm is generated. (Detectors fitted to Alarmsense non-priority sounders are not delayed)	E 71* 72* 73* 74* 75* 76* 77* 78* 81* 82* 83* 84* 85* 86* 87* 88*	ZONE 1 SHORT CIRCUIT INDICATES ALARM ZONE 2 SHORT CIRCUIT INDICATES ALARM ZONE 3 SHORT CIRCUIT INDICATES ALARM ZONE 4 SHORT CIRCUIT INDICATES ALARM ZONE 5 SHORT CIRCUIT INDICATES ALARM ZONE 6 SHORT CIRCUIT INDICATES ALARM ZONE 7 SHORT CIRCUIT INDICATES ALARM ZONE 8 SHORT CIRCUIT INDICATES ALARM ZONE 8 SHORT CIRCUIT INDICATES ALARM ZONE 1 NON-LATCHING ZONE 2 NON-LATCHING ZONE 3 NON-LATCHING ZONE 4 NON-LATCHING ZONE 5 NON-LATCHING ZONE 6 NON-LATCHING ZONE 7 NON-LATCHING ZONE 7 NON-LATCHING ZONE 8 NON-LATCHING ZONE 8 NON-LATCHING ZONE 1 DOES NOT SOUND ALARMS ZONE 2 DOES NOT SOUND ALARMS ZONE 3 DOES NOT SOUND ALARMS ZONE 4 DOES NOT SOUND ALARMS	Changes the trigger threshold of the zone so that the control panel can be used on older systems that had no short circuit monitoring. (Not for use if Alarmsense devices are connected to the zone) Renders the zone self-resetting so that it can be used to receive signals from other systems and will reset when the input is removed. Note: It can take up to 20 seconds for zone to reset itself when sounders are operating. (Not for use if Alarmsense devices are connected to the zone) Prevents the zone from operating any sounders whether connected the two common sounder outputs or to
98 ZONE 8 DOES NOT SOUND ALARMS A1* ZONE 1 ANY ALARM DELAYED A2* ZONE 2 ANY ALARM DELAYED A3* ZONE 3 ANY ALARM DELAYED A4* ZONE 4 ANY ALARM DELAYED A4* ZONE 4 ANY ALARM DELAYED A6 CONE 1 ANY ALARM DELAYED A6 CONE 1 ANY ALARM DELAYED A6 CONE 1 ANY ALARM DELAYED A7 CONE 1 ANY ALARM DELAYED A8 CONE 2 ANY ALARM DELAYED A8 CONE 3 ANY ALARM DELAYED A8 CONE 4 ANY ALARM DELAYED	E 71* 72* 73* 74* 75* 76* 77* 78* 81* 82* 83* 84* 85* 86* 87* 88* 91 92 93 94	ZONE 1 SHORT CIRCUIT INDICATES ALARM ZONE 2 SHORT CIRCUIT INDICATES ALARM ZONE 3 SHORT CIRCUIT INDICATES ALARM ZONE 4 SHORT CIRCUIT INDICATES ALARM ZONE 5 SHORT CIRCUIT INDICATES ALARM ZONE 6 SHORT CIRCUIT INDICATES ALARM ZONE 7 SHORT CIRCUIT INDICATES ALARM ZONE 8 SHORT CIRCUIT INDICATES ALARM ZONE 8 SHORT CIRCUIT INDICATES ALARM ZONE 1 NON-LATCHING ZONE 2 NON-LATCHING ZONE 3 NON-LATCHING ZONE 4 NON-LATCHING ZONE 5 NON-LATCHING ZONE 6 NON-LATCHING ZONE 7 NON-LATCHING ZONE 7 NON-LATCHING ZONE 8 NON-LATCHING ZONE 8 NON-LATCHING ZONE 1 DOES NOT SOUND ALARMS ZONE 2 DOES NOT SOUND ALARMS ZONE 3 DOES NOT SOUND ALARMS ZONE 4 DOES NOT SOUND ALARMS ZONE 5 DOES NOT SOUND ALARMS	Changes the trigger threshold of the zone so that the control panel can be used on older systems that had no short circuit monitoring. (Not for use if Alarmsense devices are connected to the zone) Renders the zone self-resetting so that it can be used to receive signals from other systems and will reset when the input is removed. Note: It can take up to 20 seconds for zone to reset itself when sounders are operating. (Not for use if Alarmsense devices are connected to the zone) Prevents the zone from operating any sounders whether connected the two common sounder outputs or to
98 ZONE 8 DOES NOT SOUND ALARMS A1* ZONE 1 ANY ALARM DELAYED A2* ZONE 2 ANY ALARM DELAYED A3* ZONE 3 ANY ALARM DELAYED A4* ZONE 4 ANY ALARM DELAYED A4* ZONE 4 ANY ALARM DELAYED A6 CONE 1 ANY ALARM DELAYED A6 CONE 1 ANY ALARM DELAYED A6 CONE 1 ANY ALARM DELAYED A7 CONE 1 ANY ALARM DELAYED A8 CONE 2 ANY ALARM DELAYED A8 CONE 3 ANY ALARM DELAYED A8 CONE 4 ANY ALARM DELAYED	E 71* 72* 73* 74* 75* 76* 77* 78* 81* 82* 83* 84* 85* 86* 91 92 93 94 95 96	ZONE 1 SHORT CIRCUIT INDICATES ALARM ZONE 2 SHORT CIRCUIT INDICATES ALARM ZONE 3 SHORT CIRCUIT INDICATES ALARM ZONE 4 SHORT CIRCUIT INDICATES ALARM ZONE 5 SHORT CIRCUIT INDICATES ALARM ZONE 6 SHORT CIRCUIT INDICATES ALARM ZONE 7 SHORT CIRCUIT INDICATES ALARM ZONE 8 SHORT CIRCUIT INDICATES ALARM ZONE 8 SHORT CIRCUIT INDICATES ALARM ZONE 1 NON-LATCHING ZONE 2 NON-LATCHING ZONE 3 NON-LATCHING ZONE 4 NON-LATCHING ZONE 5 NON-LATCHING ZONE 6 NON-LATCHING ZONE 7 NON-LATCHING ZONE 7 NON-LATCHING ZONE 8 NON-LATCHING ZONE 8 NON-LATCHING ZONE 1 DOES NOT SOUND ALARMS ZONE 2 DOES NOT SOUND ALARMS ZONE 3 DOES NOT SOUND ALARMS ZONE 4 DOES NOT SOUND ALARMS ZONE 5 DOES NOT SOUND ALARMS ZONE 6 DOES NOT SOUND ALARMS ZONE 6 DOES NOT SOUND ALARMS	Changes the trigger threshold of the zone so that the control panel can be used on older systems that had no short circuit monitoring. (Not for use if Alarmsense devices are connected to the zone) Renders the zone self-resetting so that it can be used to receive signals from other systems and will reset when the input is removed. Note: It can take up to 20 seconds for zone to reset itself when sounders are operating. (Not for use if Alarmsense devices are connected to the zone) Prevents the zone from operating any sounders whether connected the two common sounder outputs or to
A1* ZONE 1 ANY ALARM DELAYED A2* ZONE 2 ANY ALARM DELAYED A3* ZONE 3 ANY ALARM DELAYED A4* ZONE 4 ANY ALARM DELAYED A4* ZONE 4 ANY ALARM DELAYED A6 ZONE 4 ANY ALARM DELAYED A7 ZONE 4 ANY ALARM DELAYED A8 ZONE 4 ANY ALARM DELAYED A8 ZONE 4 ANY ALARM DELAYED	E 71* 72* 73* 74* 75* 76* 77* 78* 81* 82* 83* 84* 85* 86* 87* 88* 91 92 93 94 95 96	ZONE 1 SHORT CIRCUIT INDICATES ALARM ZONE 2 SHORT CIRCUIT INDICATES ALARM ZONE 3 SHORT CIRCUIT INDICATES ALARM ZONE 4 SHORT CIRCUIT INDICATES ALARM ZONE 5 SHORT CIRCUIT INDICATES ALARM ZONE 6 SHORT CIRCUIT INDICATES ALARM ZONE 7 SHORT CIRCUIT INDICATES ALARM ZONE 8 SHORT CIRCUIT INDICATES ALARM ZONE 8 SHORT CIRCUIT INDICATES ALARM ZONE 1 NON-LATCHING ZONE 2 NON-LATCHING ZONE 3 NON-LATCHING ZONE 4 NON-LATCHING ZONE 5 NON-LATCHING ZONE 6 NON-LATCHING ZONE 7 NON-LATCHING ZONE 7 NON-LATCHING ZONE 8 NON-LATCHING ZONE 8 NON-LATCHING ZONE 1 DOES NOT SOUND ALARMS ZONE 2 DOES NOT SOUND ALARMS ZONE 3 DOES NOT SOUND ALARMS ZONE 4 DOES NOT SOUND ALARMS ZONE 5 DOES NOT SOUND ALARMS ZONE 6 DOES NOT SOUND ALARMS ZONE 6 DOES NOT SOUND ALARMS	Changes the trigger threshold of the zone so that the control panel can be used on older systems that had no short circuit monitoring. (Not for use if Alarmsense devices are connected to the zone) Renders the zone self-resetting so that it can be used to receive signals from other systems and will reset when the input is removed. Note: It can take up to 20 seconds for zone to reset itself when sounders are operating. (Not for use if Alarmsense devices are connected to the zone) Prevents the zone from operating any sounders whether connected the two common sounder outputs or to
A2*ZONE 2 ANY ALARM DELAYEDbefore an alarm is generated.A3*ZONE 3 ANY ALARM DELAYED(Detectors fitted to Alarmsense non-priority sounders are not delayed)	E 71* 72* 73* 74* 75* 76* 77* 78* 81* 82* 83* 84* 85* 86* 87* 88* 91 92 93 94 95 96	ZONE 1 SHORT CIRCUIT INDICATES ALARM ZONE 2 SHORT CIRCUIT INDICATES ALARM ZONE 3 SHORT CIRCUIT INDICATES ALARM ZONE 4 SHORT CIRCUIT INDICATES ALARM ZONE 5 SHORT CIRCUIT INDICATES ALARM ZONE 6 SHORT CIRCUIT INDICATES ALARM ZONE 7 SHORT CIRCUIT INDICATES ALARM ZONE 8 SHORT CIRCUIT INDICATES ALARM ZONE 8 SHORT CIRCUIT INDICATES ALARM ZONE 1 NON-LATCHING ZONE 2 NON-LATCHING ZONE 3 NON-LATCHING ZONE 4 NON-LATCHING ZONE 5 NON-LATCHING ZONE 6 NON-LATCHING ZONE 7 NON-LATCHING ZONE 7 NON-LATCHING ZONE 8 NON-LATCHING ZONE 1 DOES NOT SOUND ALARMS ZONE 2 DOES NOT SOUND ALARMS ZONE 4 DOES NOT SOUND ALARMS ZONE 5 DOES NOT SOUND ALARMS ZONE 6 DOES NOT SOUND ALARMS ZONE 7 DOES NOT SOUND ALARMS ZONE 7 DOES NOT SOUND ALARMS ZONE 6 DOES NOT SOUND ALARMS ZONE 7 DOES NOT SOUND ALARMS	Changes the trigger threshold of the zone so that the control panel can be used on older systems that had no short circuit monitoring. (Not for use if Alarmsense devices are connected to the zone) Renders the zone self-resetting so that it can be used to receive signals from other systems and will reset when the input is removed. Note: It can take up to 20 seconds for zone to reset itself when sounders are operating. (Not for use if Alarmsense devices are connected to the zone) Prevents the zone from operating any sounders whether connected the two common sounder outputs or to
A2*ZONE 2 ANY ALARM DELAYEDbefore an alarm is generated.A3*ZONE 3 ANY ALARM DELAYED(Detectors fitted to Alarmsense non-priority sounders are not delayed)	E 71* 72* 73* 74* 75* 76* 77* 78* 81* 82* 83* 84* 85* 86* 87* 88* 91 92 93 94 95 96	ZONE 1 SHORT CIRCUIT INDICATES ALARM ZONE 2 SHORT CIRCUIT INDICATES ALARM ZONE 3 SHORT CIRCUIT INDICATES ALARM ZONE 4 SHORT CIRCUIT INDICATES ALARM ZONE 5 SHORT CIRCUIT INDICATES ALARM ZONE 6 SHORT CIRCUIT INDICATES ALARM ZONE 7 SHORT CIRCUIT INDICATES ALARM ZONE 8 SHORT CIRCUIT INDICATES ALARM ZONE 8 SHORT CIRCUIT INDICATES ALARM ZONE 1 NON-LATCHING ZONE 2 NON-LATCHING ZONE 3 NON-LATCHING ZONE 4 NON-LATCHING ZONE 5 NON-LATCHING ZONE 6 NON-LATCHING ZONE 7 NON-LATCHING ZONE 7 NON-LATCHING ZONE 8 NON-LATCHING ZONE 1 DOES NOT SOUND ALARMS ZONE 2 DOES NOT SOUND ALARMS ZONE 4 DOES NOT SOUND ALARMS ZONE 5 DOES NOT SOUND ALARMS ZONE 6 DOES NOT SOUND ALARMS ZONE 7 DOES NOT SOUND ALARMS ZONE 7 DOES NOT SOUND ALARMS ZONE 6 DOES NOT SOUND ALARMS ZONE 7 DOES NOT SOUND ALARMS	Changes the trigger threshold of the zone so that the control panel can be used on older systems that had no short circuit monitoring. (Not for use if Alarmsense devices are connected to the zone) Renders the zone self-resetting so that it can be used to receive signals from other systems and will reset when the input is removed. Note: It can take up to 20 seconds for zone to reset itself when sounders are operating. (Not for use if Alarmsense devices are connected to the zone) Prevents the zone from operating any sounders whether connected the two common sounder outputs or to
A3* ZONE 3 ANY ALARM DELAYED (Detectors fitted to Alarmsense non-priority sounders are not delayed)	E 71* 72* 73* 74* 75* 76* 77* 78* 81* 82* 83* 84* 85* 86* 87* 88* 91 92 93 94 95 96 97 98	ZONE 1 SHORT CIRCUIT INDICATES ALARM ZONE 2 SHORT CIRCUIT INDICATES ALARM ZONE 3 SHORT CIRCUIT INDICATES ALARM ZONE 4 SHORT CIRCUIT INDICATES ALARM ZONE 5 SHORT CIRCUIT INDICATES ALARM ZONE 6 SHORT CIRCUIT INDICATES ALARM ZONE 7 SHORT CIRCUIT INDICATES ALARM ZONE 8 SHORT CIRCUIT INDICATES ALARM ZONE 8 SHORT CIRCUIT INDICATES ALARM ZONE 1 NON-LATCHING ZONE 2 NON-LATCHING ZONE 3 NON-LATCHING ZONE 4 NON-LATCHING ZONE 5 NON-LATCHING ZONE 6 NON-LATCHING ZONE 7 NON-LATCHING ZONE 8 NON-LATCHING ZONE 1 DOES NOT SOUND ALARMS ZONE 2 DOES NOT SOUND ALARMS ZONE 3 DOES NOT SOUND ALARMS ZONE 4 DOES NOT SOUND ALARMS ZONE 5 DOES NOT SOUND ALARMS ZONE 6 DOES NOT SOUND ALARMS ZONE 6 DOES NOT SOUND ALARMS ZONE 7 DOES NOT SOUND ALARMS ZONE 7 DOES NOT SOUND ALARMS ZONE 8 DOES NOT SOUND ALARMS	Changes the trigger threshold of the zone so that the control panel can be used on older systems that had no short circuit monitoring. (Not for use if Alarmsense devices are connected to the zone) Renders the zone self-resetting so that it can be used to receive signals from other systems and will reset when the input is removed. Note: It can take up to 20 seconds for zone to reset itself when sounders are operating. (Not for use if Alarmsense devices are connected to the zone) Prevents the zone from operating any sounders whether connected the two common sounder outputs or to detection zones.
A3* ZONE 3 ANY ALARM DELAYED (Detectors fitted to Alarmsense non-priority sounders are not delayed)	E 71* 72* 73* 74* 75* 76* 77* 78* 81* 82* 83* 84* 85* 86* 87* 88* 91 92 93 94 95 96 97 98	ZONE 1 SHORT CIRCUIT INDICATES ALARM ZONE 2 SHORT CIRCUIT INDICATES ALARM ZONE 3 SHORT CIRCUIT INDICATES ALARM ZONE 4 SHORT CIRCUIT INDICATES ALARM ZONE 5 SHORT CIRCUIT INDICATES ALARM ZONE 6 SHORT CIRCUIT INDICATES ALARM ZONE 7 SHORT CIRCUIT INDICATES ALARM ZONE 8 SHORT CIRCUIT INDICATES ALARM ZONE 8 SHORT CIRCUIT INDICATES ALARM ZONE 1 NON-LATCHING ZONE 2 NON-LATCHING ZONE 3 NON-LATCHING ZONE 4 NON-LATCHING ZONE 5 NON-LATCHING ZONE 6 NON-LATCHING ZONE 7 NON-LATCHING ZONE 8 NON-LATCHING ZONE 8 NON-LATCHING ZONE 1 DOES NOT SOUND ALARMS ZONE 2 DOES NOT SOUND ALARMS ZONE 3 DOES NOT SOUND ALARMS ZONE 4 DOES NOT SOUND ALARMS ZONE 5 DOES NOT SOUND ALARMS ZONE 6 DOES NOT SOUND ALARMS ZONE 7 DOES NOT SOUND ALARMS ZONE 7 DOES NOT SOUND ALARMS ZONE 8 DOES NOT SOUND ALARMS ZONE 7 DOES NOT SOUND ALARMS ZONE 8 DOES NOT SOUND ALARMS	Changes the trigger threshold of the zone so that the control panel can be used on older systems that had no short circuit monitoring. (Not for use if Alarmsense devices are connected to the zone) Renders the zone self-resetting so that it can be used to receive signals from other systems and will reset when the input is removed. Note: It can take up to 20 seconds for zone to reset itself when sounders are operating. (Not for use if Alarmsense devices are connected to the zone) Prevents the zone from operating any sounders whether connected the two common sounder outputs or to detection zones.
A4* ZONE 4 ANY ALARM DELAYED not delayed)	E 71* 72* 73* 74* 75* 76* 77* 78* 81* 82* 83* 84* 85* 86* 87* 88* 91 92 93 94 95 96 97 98	ZONE 1 SHORT CIRCUIT INDICATES ALARM ZONE 2 SHORT CIRCUIT INDICATES ALARM ZONE 3 SHORT CIRCUIT INDICATES ALARM ZONE 4 SHORT CIRCUIT INDICATES ALARM ZONE 5 SHORT CIRCUIT INDICATES ALARM ZONE 6 SHORT CIRCUIT INDICATES ALARM ZONE 7 SHORT CIRCUIT INDICATES ALARM ZONE 8 SHORT CIRCUIT INDICATES ALARM ZONE 8 SHORT CIRCUIT INDICATES ALARM ZONE 1 NON-LATCHING ZONE 2 NON-LATCHING ZONE 3 NON-LATCHING ZONE 4 NON-LATCHING ZONE 5 NON-LATCHING ZONE 6 NON-LATCHING ZONE 7 NON-LATCHING ZONE 8 NON-LATCHING ZONE 8 NON-LATCHING ZONE 1 DOES NOT SOUND ALARMS ZONE 2 DOES NOT SOUND ALARMS ZONE 3 DOES NOT SOUND ALARMS ZONE 4 DOES NOT SOUND ALARMS ZONE 5 DOES NOT SOUND ALARMS ZONE 6 DOES NOT SOUND ALARMS ZONE 7 DOES NOT SOUND ALARMS ZONE 7 DOES NOT SOUND ALARMS ZONE 8 DOES NOT SOUND ALARMS ZONE 7 DOES NOT SOUND ALARMS ZONE 8 DOES NOT SOUND ALARMS	Changes the trigger threshold of the zone so that the control panel can be used on older systems that had no short circuit monitoring. (Not for use if Alarmsense devices are connected to the zone) Renders the zone self-resetting so that it can be used to receive signals from other systems and will reset when the input is removed. Note: It can take up to 20 seconds for zone to reset itself when sounders are operating. (Not for use if Alarmsense devices are connected to the zone) Prevents the zone from operating any sounders whether connected the two common sounder outputs or to detection zones.
	E 71* 72* 73* 74* 75* 76* 77* 78* 81* 82* 83* 84* 85* 86* 87* 88* 91 92 93 94 95 96 97 98 A1* A2*	ZONE 1 SHORT CIRCUIT INDICATES ALARM ZONE 2 SHORT CIRCUIT INDICATES ALARM ZONE 3 SHORT CIRCUIT INDICATES ALARM ZONE 4 SHORT CIRCUIT INDICATES ALARM ZONE 5 SHORT CIRCUIT INDICATES ALARM ZONE 6 SHORT CIRCUIT INDICATES ALARM ZONE 7 SHORT CIRCUIT INDICATES ALARM ZONE 8 SHORT CIRCUIT INDICATES ALARM ZONE 8 SHORT CIRCUIT INDICATES ALARM ZONE 1 NON-LATCHING ZONE 2 NON-LATCHING ZONE 3 NON-LATCHING ZONE 4 NON-LATCHING ZONE 5 NON-LATCHING ZONE 6 NON-LATCHING ZONE 7 NON-LATCHING ZONE 8 NON-LATCHING ZONE 1 DOES NOT SOUND ALARMS ZONE 2 DOES NOT SOUND ALARMS ZONE 2 DOES NOT SOUND ALARMS ZONE 3 DOES NOT SOUND ALARMS ZONE 4 DOES NOT SOUND ALARMS ZONE 5 DOES NOT SOUND ALARMS ZONE 6 DOES NOT SOUND ALARMS ZONE 7 DOES NOT SOUND ALARMS ZONE 7 DOES NOT SOUND ALARMS ZONE 8 DOES NOT SOUND ALARMS ZONE 7 DOES NOT SOUND ALARMS ZONE 8 DOES NOT SOUND ALARMS ZONE 8 DOES NOT SOUND ALARMS	Changes the trigger threshold of the zone so that the control panel can be used on older systems that had no short circuit monitoring. (Not for use if Alarmsense devices are connected to the zone) Renders the zone self-resetting so that it can be used to receive signals from other systems and will reset when the input is removed. Note: It can take up to 20 seconds for zone to reset itself when sounders are operating. (Not for use if Alarmsense devices are connected to the zone) Prevents the zone from operating any sounders whether connected the two common sounder outputs or to detection zones. Zone needs to be triggered for 30 seconds continuously before an alarm is generated.
A5^ ZUNE 5 ANY ALARM DELAYED	E 71* 72* 73* 74* 75* 76* 77* 78* 81* 82* 83* 84* 85* 86* 87* 88* 91 92 93 94 95 96 97 98 A1* A2* A3*	ZONE 1 SHORT CIRCUIT INDICATES ALARM ZONE 2 SHORT CIRCUIT INDICATES ALARM ZONE 3 SHORT CIRCUIT INDICATES ALARM ZONE 4 SHORT CIRCUIT INDICATES ALARM ZONE 5 SHORT CIRCUIT INDICATES ALARM ZONE 6 SHORT CIRCUIT INDICATES ALARM ZONE 7 SHORT CIRCUIT INDICATES ALARM ZONE 8 SHORT CIRCUIT INDICATES ALARM ZONE 8 SHORT CIRCUIT INDICATES ALARM ZONE 1 NON-LATCHING ZONE 2 NON-LATCHING ZONE 3 NON-LATCHING ZONE 4 NON-LATCHING ZONE 5 NON-LATCHING ZONE 6 NON-LATCHING ZONE 7 NON-LATCHING ZONE 8 NON-LATCHING ZONE 8 NON-LATCHING ZONE 1 DOES NOT SOUND ALARMS ZONE 2 DOES NOT SOUND ALARMS ZONE 3 DOES NOT SOUND ALARMS ZONE 4 DOES NOT SOUND ALARMS ZONE 5 DOES NOT SOUND ALARMS ZONE 6 DOES NOT SOUND ALARMS ZONE 7 DOES NOT SOUND ALARMS ZONE 6 DOES NOT SOUND ALARMS ZONE 7 DOES NOT SOUND ALARMS ZONE 8 DOES NOT SOUND ALARMS	Changes the trigger threshold of the zone so that the control panel can be used on older systems that had no short circuit monitoring. (Not for use if Alarmsense devices are connected to the zone) Renders the zone self-resetting so that it can be used to receive signals from other systems and will reset when the input is removed. Note: It can take up to 20 seconds for zone to reset itself when sounders are operating. (Not for use if Alarmsense devices are connected to the zone) Prevents the zone from operating any sounders whether connected the two common sounder outputs or to detection zones. Zone needs to be triggered for 30 seconds continuously before an alarm is generated. (Detectors fitted to Alarmsense non-priority sounders are
	E 71* 72* 73* 74* 75* 76* 77* 78* 81* 82* 83* 84* 85* 86* 87* 88* 91 92 93 94 95 96 97 98 A1* A2* A3* A4*	ZONE 1 SHORT CIRCUIT INDICATES ALARM ZONE 2 SHORT CIRCUIT INDICATES ALARM ZONE 3 SHORT CIRCUIT INDICATES ALARM ZONE 4 SHORT CIRCUIT INDICATES ALARM ZONE 5 SHORT CIRCUIT INDICATES ALARM ZONE 6 SHORT CIRCUIT INDICATES ALARM ZONE 7 SHORT CIRCUIT INDICATES ALARM ZONE 8 SHORT CIRCUIT INDICATES ALARM ZONE 8 SHORT CIRCUIT INDICATES ALARM ZONE 1 NON-LATCHING ZONE 2 NON-LATCHING ZONE 3 NON-LATCHING ZONE 4 NON-LATCHING ZONE 5 NON-LATCHING ZONE 6 NON-LATCHING ZONE 7 NON-LATCHING ZONE 8 NON-LATCHING ZONE 8 NON-LATCHING ZONE 1 DOES NOT SOUND ALARMS ZONE 2 DOES NOT SOUND ALARMS ZONE 2 DOES NOT SOUND ALARMS ZONE 3 DOES NOT SOUND ALARMS ZONE 4 DOES NOT SOUND ALARMS ZONE 5 DOES NOT SOUND ALARMS ZONE 6 DOES NOT SOUND ALARMS ZONE 7 DOES NOT SOUND ALARMS ZONE 7 DOES NOT SOUND ALARMS ZONE 8 DOES NOT SOUND ALARMS ZONE 7 DOES NOT SOUND ALARMS ZONE 8 DOES NOT SOUND ALARMS ZONE 8 DOES NOT SOUND ALARMS ZONE 1 ANY ALARM DELAYED ZONE 2 ANY ALARM DELAYED ZONE 3 ANY ALARM DELAYED ZONE 4 ANY ALARM DELAYED	Changes the trigger threshold of the zone so that the control panel can be used on older systems that had no short circuit monitoring. (Not for use if Alarmsense devices are connected to the zone) Renders the zone self-resetting so that it can be used to receive signals from other systems and will reset when the input is removed. Note: It can take up to 20 seconds for zone to reset itself when sounders are operating. (Not for use if Alarmsense devices are connected to the zone) Prevents the zone from operating any sounders whether connected the two common sounder outputs or to detection zones. Zone needs to be triggered for 30 seconds continuously before an alarm is generated. (Detectors fitted to Alarmsense non-priority sounders are

A6*	ZONE 6 ANY ALARM DELAYED	
A7*	ZONE 7 ANY ALARM DELAYED	
A8*	ZONE 8 ANY ALARM DELAYED	
C1	ZONE 1 SOUNDERS INHIBITED	Enables individual zones to be configured not to operate
C2	ZONE 2 SOUNDERS INHIBITED	zonal sounders.
C3	ZONE 3 SOUNDERS INHIBITED	
C4	ZONE 4 SOUNDERS INHIBITED	
C5	ZONE 5 SOUNDERS INHIBITED	
C6	ZONE 6 SOUNDERS INHIBITED	
C7	ZONE 7 SOUNDERS INHIBITED	
C8	ZONE 8 SOUNDERS INHIBITED	
E1*	ZONE 1 WILL NOT OPERTATE FIRE RELAY	Enables individual zones to be selected to not operate the
E2*	ZONE 2 WILL NOT OPERTATE FIRE RELAY	fire relay. This is sometimes combined with the non-
E3*	ZONE 3 WILL NOT OPERTATE FIRE RELAY	latching function to prevent ring around on interconnected
E4*	ZONE 4 WILL NOT OPERTATE FIRE RELAY	panels.
E5*	ZONE 5 WILL NOT OPERTATE FIRE RELAY	
E6*	ZONE 6 WILL NOT OPERTATE FIRE RELAY	
E7*	ZONE 7 WILL NOT OPERTATE FIRE RELAY	
E8*	ZONE 8 WILL NOT OPERTATE FIRE RELAY	

NOTE: Setting the options marked with asterisks does not comply with EN54-2

Once the required configuration options have been set, the Write enable switch **must** be returned to its normal position to the right. The General fault indicator will remain lit if the Write enable switch is not turned off.

19. Watchdog reset switch

If for any reason the microprocessor in the control panel fails to carry out its operation correctly it will attempt to restart itself. This process is called a "watchdog" and the control panel must record and indicate these events.

If a watchdog event occurs, the control panel will show the FAULT and SYSTEM FAULT LEDs on the front panel, the CPU fault LED inside the panel.

This fault can only be cleared by pressing the WATCHDOG RESET button on the PCB inside the control panel. The control panel buzzer cannot be silenced and will continue to sound until the watchdog activation is reset.

20. Processor reset switch

Once started, the microprocessor controlling the panel should continue to run continuously without interruption. If the microprocessor fails to run correctly it can be reset by pressing the PROCESSOR RESET button on the PCB inside the control panel.

This should not normally be necessary but should be done as a matter of course if the system is behaving abnormally. The system should resume normal operation within a couple of seconds of pressing the processor reset button.

21. Internal indications - troubleshooting

To assist in identifying fault conditions, which are not detailed on the front of the control panel, a number of internal indicators are visible with the front cover removed as follows:

21.1 Mains fail

Indicates that the 230V AC supply is not present and the system is running on standby batteries. If there is not a power cut, check the panels mains fuse.

21.2 Batt fail

Indicates that the standby battery has become disconnected or that the charging circuit of the control panel has a high resistance or has failed. Check that both batteries are connected and linked together. Test battery. Disconnect battery and ensure that 28 Volts can be measured on battery charger leads.

21.3 CPU fault

Indicates that the central processor unit has failed to correctly execute code and has been re-started by the system watchdog. The watchdog reset switch must be pressed to clear the CPU fault condition.

Press watchdog reset. If system does not return to normal then the panel is probably damaged and needs the circuit board replacing. (See maintenance section).

21.4 Aux 24V fault

The Aux 24V and R0V terminals provide a 500 milliamp, 24V DC power supply for power fire alarm ancillary equipment. This LED indicates that fuse protecting the R0V output has operated and the rating of this output has been exceeded. The fuse is a self resetting type and the supply will resume when the fault condition is removed.

21.5 Batt low

Illuminates when the system is running on batteries and the battery voltage is lower than 21V +/-2% (the minimum battery voltage).

21.6 Earth fault

Indicates that part of the system wiring is connected to earth. Remove all system wiring and re-connect cables one at a time until the earth fault returns. This will indicate which cable the earth fault is present on.

21.7 Sys fuse fault

Indicates that the total power rating of the power supply has been exceeded and that the system fuse has come into operation. Remove and review all loads and re-connect one at a time until over rated circuit trips fuse to identify troublesome circuit.

21.8 S1 fault and S2 fault

Indicates a short or open circuit on the standard 24V DC sounder outputs. Remove wiring and refit end of line resistors. Check sounder circuit wiring.

21.9 Comms fault

Indicates that communication has been lost with a repeater panel or Ancillary board. Check for comms fault at all repeaters and ancillary boards to identify the source of the problem.

22. Power supply

The control panel requires a 230V (+10%/-15%), 50/60Hz, AC mains power supply, which connects to the fused terminal block labelled "230V".

The fused terminal block contains a 20mm, F1.6A L250V fuse which should only be replaced with a similar type.

The output voltage of the power supply is 28V DC +/- 2V and the total current rating including a maximum 0.7A for battery charging is 3 Amps. Fuse F12 mounted on the circuit board is a self-resetting electronic fuse rated at 4 Amps.

The incoming mains cable should be routed well away from other lower voltage wiring by a distance of at least 50mm.

Mains wiring should include an earth conductor, which is securely bonded to the building earth and should enter the enclosure as close as possible to the mains terminal block. Mains wires should be kept very short inside the enclosure and secured together close to the mains terminal block with a cable tie.

The control panel can accept sealed lead acid rechargeable batteries of up to 7Ah maximum capacity (see table 2 for battery size required for each model).

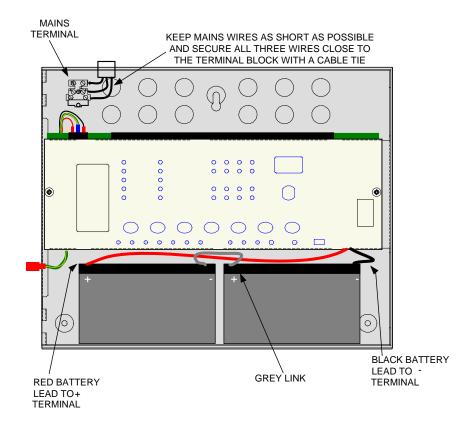
The maximum current drawn from the batteries when the main power source is disconnected is 3 Amps.

Battery leads are supplied wired to the PCB along with a link to connect the two batteries in series. The PCB is fitted with a 20mm, 3.15A T1 glass fuse (F13) in the battery charging circuit, which must only be replaced with one of the same type.

It is most important that the polarity of the batteries is carefully observed when connecting.

When the batteries are discharged to a level at which a low battery indication is given, the BATT FAIL indicator will also be lit.

Wrongly connected batteries could cause damage to the control panel.



23. Maintenance

The control panels do not require any specific maintenance but should the control panel become dirty it can be wiped over with a damp cloth and should then be dried with a dry, lint free cloth. Detergents or solvents should not be used to clean the panel and care must be taken that water does not enter the enclosure.

The control panel contains sealed lead acid batteries to provide standby power in the event of a mains failure. The control panel monitors the condition of the batteries and will announce a fault if the battery impedance becomes too high.

It is recommended that these batteries be tested in accordance with the battery manufacturer's recommendations annually to determine their suitability for continued standby applications.

Routine testing of the fire alarm system in accordance with BS5839: Part 1: 2002 will identify any malfunction of the control panel and any malfunction should be reported to the fire alarm maintenance company immediately.

Should the control panel become faulty the complete electronic assembly can be replaced.

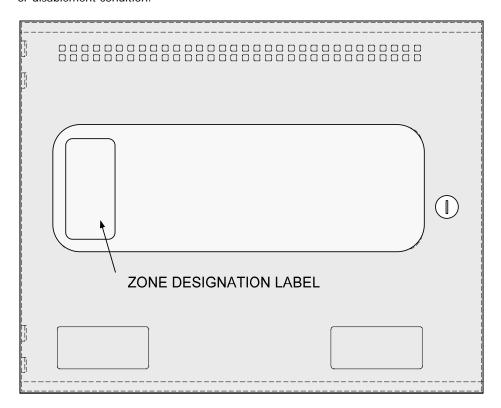
To do this, any configured options should be noted then both mains and battery power should be removed before the work is started.

The field wiring should be carefully labelled and removed from the terminals.

The PCB can now be taken out of the panel by removing the 2 M4 screws holding the plate in position. Fitting the new PCB is the reverse of the procedure for removing the board.

24. Zone designation label

The control panels are supplied with a zone designation label onto which zone designations can be written. This enables each zone to be given a text description allowing easier identification of any zones showing an alarm, fault or disablement condition.



25. Record of Configuration

Use the table below to record the configuration codes that have been set on the control panel for future reference. Place

a tick in the grey band for any configuration options that are set.

It is recommended that a copy of this table is left with the control panel under the supervision of the person responsible for the fire detection system.

CODE	FUNCTION	TICK IF THIS OPTION IS SET
LO	NON-PRIORITY ALARM CONFORMATION TIME 30S	
L1	NON-PRIORITY ALARM CONFORMATION TIME 60S	
L2	NON-PRIORITY ALARM CONFORMATION TIME 120S	
00	SOUNDER DELAY TIME = 30 SECONDS	
01	SOUNDER DELAY TIME = 1 MINUTE	
02	SOUNDER DELAY TIME = 2 MINUTES	
03	SOUNDER DELAY TIME = 3 MINUTES	
04	SOUNDER DELAY TIME = 4 MINUTES	
05	SOUNDER DELAY TIME = 5 MINUTES	
06	SOUNDER DELAY TIME = 6 MINUTES	
07	SOUNDER DELAY TIME = 7 MINUTES	
80	SOUNDER DELAY TIME = 8 MINUTES	
09	SOUNDER DELAY TIME = 9 MINUTES	
10	COMMON ALARM MODE (default)	
11	TWO-STAGE ALARM MODE	
12	ZONED ALARM MODE	
21*	DISABLE FIRE BUZZER	
22*	DISABLE FAULT OUTPUT	
23	DISABLE EARTH FAULT MONITORING	
24	PULSED REMOTE CONTROL OUTPUT	
26	DISABLE FIRE OUTPUT	
27	REMOVE AUX 24 UPON PANEL RESET	
28	INDICATE CALL POINT ACTIVATION	
29	DO NOT RE-SOUND ALARMS FROM ANOTHER ZONE	
31	ZONE 1 ALARM FROM DETECTOR DELAYED	
32	ZONE 2 ALARM FROM DETECTOR DELAYED	
33	ZONE 3 ALARM FROM DETECTOR DELAYED	
34	ZONE 4 ALARM FROM DETECTOR DELAYED	
35	ZONE 5 ALARM FROM DETECTOR DELAYED	
36	ZONE 6 ALARM FROM DETECTOR DELAYED	
37	ZONE 7 ALARM FROM DETECTOR DELAYED	
38	ZONE 8 ALARM FROM DETECTOR DELAYED	
41	ZONE 1 ALARM FROM CALL POINT DELAYED	
42	ZONE 2 ALARM FROM CALL POINT DELAYED	
43	ZONE 3 ALARM FROM CALL POINT DELAYED	
44	ZONE 4 ALARM FROM CALL POINT DELAYED	
45	ZONE 5 ALARM FROM CALL POINT DELAYED	
46	ZONE 6 ALARM FROM CALL POINT DELAYED	
47 48	ZONE 7 ALARM FROM CALL POINT DELAYED ZONE 8 ALARM FROM CALL POINT DELAYED	
40	ZONE 6 ALARWI FROW CALL POINT DELATED	
51	COINCIDENCE ZONE 1	
52	COINCIDENCE ZONE 2	
53	COINCIDENCE ZONE 4	
54 55	COINCIDENCE ZONE 5	
55 56	COINCIDENCE ZONE 5 COINCIDENCE ZONE 6	
57	COINCIDENCE ZONE 6 COINCIDENCE ZONE 7	
58	COINCIDENCE ZONE 8	
۷1	EIII ALADM MODE 70NE 1	
61 62	FULL ALARM MODE ZONE 1 FULL ALARM MODE ZONE 2	
63	FULL ALARM MODE ZONE 3	
64	FULL ALARM MODE ZONE 4	
65	FULL ALARM MODE ZONE 5	
66	FULL ALARM MODE ZONE 6	
	FULL ALARM MODE ZONE 7	
67	. 022 / 123 11 11 11 11 11 12 2 2 11 2 1	
67 68	FULL ALARM MODE ZONE 8	

CODE	FUNCTION	TICK IF THIS OPTION IS SET
71*	ZONE 1 SHORT CIRCUIT INDICATES ALARM	
72*	ZONE 2 SHORT CIRCUIT INDICATES ALARM	
73*	ZONE 3 SHORT CIRCUIT INDICATES ALARM	
74*	ZONE 4 SHORT CIRCUIT INDICATES ALARM	
75*	ZONE 5 SHORT CIRCUIT INDICATES ALARM	
76*	ZONE 6 SHORT CIRCUIT INDICATES ALARM	
77*	ZONE 7 SHORT CIRCUIT INDICATES ALARM	
78*	ZONE 8 SHORT CIRCUIT INDICATES ALARM	
81*	ZONE 1 NON-LATCHING	
82*	ZONE 2 NON-LATCHING	
83*	ZONE 3 NON-LATCHING	
84*	ZONE 4 NON-LATCHING	
85*	ZONE 5 NON-LATCHING	
86*	ZONE 6 NON-LATCHING	
87*	ZONE 7 NON-LATCHING	
88*	ZONE 8 NON-LATCHING	
91	ZONE 1 DOES NOT SOUND ALARMS	
92	ZONE 2 DOES NOT SOUND ALARMS	
93	ZONE 3 DOES NOT SOUND ALARMS	
94	ZONE 4 DOES NOT SOUND ALARMS	
95	ZONE 5 DOES NOT SOUND ALARMS	
96	ZONE 6 DOES NOT SOUND ALARMS	
97	ZONE 7 DOES NOT SOUND ALARMS	
98	ZONE 8 DOES NOT SOUND ALARMS	
A1*	ZONE 1 ANY ALARM DELAYED	
A2*	ZONE 2 ANY ALARM DELAYED	
A3*	ZONE 3 ANY ALARM DELAYED	
A4*	ZONE 4 ANY ALARM DELAYED	
A5*	ZONE 5 ANY ALARM DELAYED	
A6*	ZONE 6 ANY ALARM DELAYED	
A7*	ZONE 7 ANY ALARM DELAYED	
A8*	ZONE 8 ANY ALARM DELAYED	
C1	ZONE 1 SOUNDERS INHIBITED	
C2	ZONE 2 SOUNDERS INHIBITED	
C3	ZONE 3 SOUNDERS INHIBITED	
C4	ZONE 4 SOUNDERS INHIBITED	
C5	ZONE 5 SOUNDERS INHIBITED	
C6	ZONE 6 SOUNDERS INHIBITED	
C7	ZONE 7 SOUNDERS INHIBITED	
C8	ZONE 8 SOUNDERS INHIBITED	
E1*	ZONE 1 WILL NOT OPERATE FIRE RELAY	
E2*	ZONE 2 WILL NOT OPERATE FIRE RELAY	
E3*	ZONE 3 WILL NOT OPERATE FIRE RELAY	
E4*	ZONE 4 WILL NOT OPERATE FIRE RELAY	
E5*	ZONE 5 WILL NOT OPERATE FIRE RELAY	
E6*	ZONE 6 WILL NOT OPERATE FIRE RELAY	
E7*	ZONE 7 WILL NOT OPERATE FIRE RELAY	
E8*	ZONE 8 WILL NOT OPERATE FIRE RELAY	

E8* ZONE 8 WILL NOT OPERATE FIRE RELAY

NOTE: Setting the options marked with asterisks does not comply with EN54-2