

Contents

Features 1
Installation Design 2
Fixing the panel 3
Wiring the system 4
Tamper network 4
Connecting Remote Keypads /
Lighting controllers 5
Fitting the Remote Keypad 5
Security zones 5
Push to set zone 6
Remote kevswitch zone 6
Fire zone 7
PA circuit 7
Extension speaker 7
External siren (Bell) and Strobe 8
Set
Eactory set condition 9
First Power up a second to the second s
Mains Connection
Testing the system
Engineer program mode 11
Engineer program mode 11
To exit 11
System Indications 11
To enter Engineer program mode 11
To Exit Engineer program mode 11
To reset panel to Factory settings 11
Access Codes 12
Programs 15
Zone function
Exit Modes 15
Programs 1,2 and 3 16
Alarm and Walk tests 17
'Flag A' Options 18
'Flag B' options 19
Viewing the event log 19
External siren (Bell) and Service Timers 20
Re-arm and Anticode reset code 21
Lighting controller 22
Faults 23
Specification 24
Servicing organisation Details 27
Parts 27
Quick Reference 28

Installation Design

The purchase of this alarm system represents a major step forward in the protection of the property and its occupants. It is important to plan the installation before proceeding and then follow the procedures and advice contained in this manual.



Plan the position of each part of the alarm system and the cable runs. **Detectors** should be sited with particular regard to the degree of coverage required and the

function of each of the zones.



All of the system wiring is connected directly to the **panel**. The panel may be concealed inside a cupboard or loft space, but it must be installed within the protected premises and in a

position which is convenient for a mains supply.



The **Remote keypads** (RKPs) should be mounted in positions which allows ease of operation for the system users, typically within the entry/exit route close to the

final door and the master bedroom.



Additional internal **sound speakers** are recommended, these will provide high volume alarm tones and low volume entry/exit tones. Speakers should be positioned to provide good

sound distribution throughout the building and so that the exit tone is audible outside the main entry / exit door. This will enable the system operator to check that the system is setting correctly.



Finally note that the total current output of this control system (in alarm condition) is 1Amp when supported by a fully charged battery. Calculate

the total current consumption of every part of the system including the panel, remote kounade, sizen (bell) with stropes and detectors to

every part of the system including the panel, remoti keypads, siren (bell) with strobes and detectors to ensure that this rating is not exceeded.



Depending on which area you live, you may be required, by law to notify the **Local Authority** and Police of the new security alarm installation. The local

authority requirements may differ from area to area, therefore, it is advisable to contact local environmental officer to obtain full details of your area requirements.

Fixing the panel



a. Remove the front cover(s) from the panel.



Disconnect the transformer wires from the transformer marked AC terminals on the board. Carefully remove the board by gently pushing down the holding clips on the bottom edge of the board and withdraw it from the base.



SL8 G3 Intruder system

When replacing the board, align it on the round support pillars to the bottom and allow it to click down past the clips at the top of the case. Refit the transformer wires into the terminal.

- b. Fit the panel to the wall with suitable fixings. Ensure the wall surface is flat to prevent base distortion. There are cable entry holes provided in the rear of the base and around the outside edges through the thinned out plastic sections which may be cut away as required.
- c. The hole provided adjacent to the mains transformer is a dedicated mains cable entry point.



Board

There are four fuses mounted on the circuit board, all are 20mm quick blow.

- F1 1.6A to protect the +ve line of 12V battery
- F2 1A to protect the RKP 13V supply
- F3 1A to protect the Speaker 13V supply
- F5 1A to protect the Bell and Strobe supply

As supplied, wire links are fitted across the PA and Tamper terminals to represent a closed circuit.



Wiring the system

Always power-down the panel when wiring external circuits, to prevent damage to the panel electronics.

Systematically wire and test each circuit:

- Zone, Tamper circuit and PA circuits
- ☐ Finish by wiring any additional extension speaker sounders, external siren (bell), strobe and the 13V supply.

Tamper network

The Tamper circuit is used to protect all cables and detectors in the system from unauthorised access including the panel and RKP covers.

The zone and PA tampers should be series wired and connected to the TAMP terminals. Terminals T & A are for the external siren (bell) tamper. The TAMP terminals at the bottom left of the board are for the RKP tampers.

Tamper alarms that occur in the Day mode operate internal sounders only. Tamper alarms in Set mode cause a full alarm condition. Tamper is indicated on the control panel and RKPs by the **Tamper** indicator.



Connecting Remote Keypads /

Lighting controllers

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Ensure there is at least one remote keypad wired to the panel before first power up.

A combination of up to four remote keypads and lighting controller can be connected to the panel. The cable length between RKP and panel must not exceed 100m.

Fitting the Remote Keypad

If a remote keypad is fitted in the installation.

- a. Separate the RKP baseplate from the main assembly by slackening the retaining screw.
- b. Cut away the required thin wall sections around the edges of the baseplate for cable entry.
- c. The baseplate mounting holes are 60mm centres which allow it to be fixed to a single gang electrical metal box. As an alternative the baseplate may be fitted directly to the wall using the screws and wall plugs supplied, if these are not appropriate for the wall then use suitable alternative fixings.

The board must not be removed from the front moulding and doing so may invalidate the warranty.

- d. Bring the cables into the baseplate and wire to the terminal block on the baseplate, see diagram on the next page.
- e. Refit the RKP main assembly to the baseplate by hooking it onto the top holding clips. Check that the wiring does not foul the tamper switch/spring or the PCB support pillars. Resecure the screw in the bottom of the case.

Security zones



The panel is not supplied with wire links for unused zones. All unused zones must be programmed out by setting them to *disabled* using the Zone Type function see page 13.

It is recommended that no more than 10 magnetic contacts are connected to the same zone.

Push to set zone

Any zone can be wired and configured as a Push to Set input. This can be a standard door bell push located outside the premises. After starting the exit timer the building is vacated. As the switch is then momentaraily closed, a chime tone is produced and the system Sets. Sometimes referred to as 'Terminate Set' this facility is mandatory for communicating systems installed to NACOSS guidelines



Remote keyswitch zone

Any zone can be wired and programmed as a keyswitch input and used with a remote keyswitch or lock switch. For security reasons it is recommended that a tamper proof switch is used and that the switch wiring is not accessible from outside the premises.



The keyswitch may be used to Set (open contacts) or Unset (closed contacts) independently of RKPs. However in this situation the keyswitch may have to 'catch up' with the system. For example if the system is Set via an RKP and Unset with the keyswitch, it would have to be momentarily turned to its Set position then returned to its Unset position.

The keyswitch will always Set program 1. It will also Unset the system or switch off an alarm activation. To Reset after an alarm and return to Day mode, the Reset key on the RKP will have to be pressed. Any zone may be programmed as a fire zone. This will automatically exclude the availability of the zone from programs and normal security applications.



There are two types of fire zone, **Standard** and **24 hour** type. The **Standard fire** zone detects fires only when the system is Set, where as the **24 hour fire** zone detects fires all the time and will operate whether the system is Set or Unset. A fire will cause a distinctive internal sounder tone. The external siren will pulse on and off at 2 second intervals and all RKP indicators will flash the affected zone.

PA circuit

Any quantity of normally closed type personal attack button may be wired in series and then connected to the PA circuit. Operational in Day and Set, the PA circuit will cause a full alarm condition when activated. PA is indicated on the control panel or RKP as Attack.



PA buttons may be fitted near the front door, or in a bedroom.

SL8 G3 Intruder system

Extension speaker

Extension speaker may be connected to the loudspeaker terminals to produce high volume alarm tones and low volume entry / exit / fault tones.



Up to two 16 ohms extension speakers may also be wired across the speaker terminals. Mounted in convenient positions within the installation the extension speakers will reproduce all of the alarm tones generated by the control panel.

A control marked VOLUME in the centre of the board may be used to adjust the low volume entry/exit tones to suit environmental conditions.

External siren (Bell) and Strobe

The bell is usually installed in a high position from where the bell could be seen and heard. Terminal T A D B are for connection to the external siren (bell). These terminals provide a power/hold-off supply, sounder trigger and tamper circuit to protect the external siren housing.

The terminals are summarised as follows:

- T -Ve tamper return
- A -Ve supply (0V)
- D +Ve supply (12V)
- B- -Ve Sounder trigger

For ease of installation, Sonade sounders and modules use the same markings.

Where a discrete bell sounder is used, it should be connected to terminals D & B. Terminals T & A are then used for tamper protection for the sounder housing.



Sonade



Where self contained / powered sounders are used, carefully follow the manufacturers instructions, match each of the terminals to those above.

13V Supply output

The 13V output is to power detectors which require a voltage supply (PIR detectors etc). The supply is present at all times and may be used to supply a total load of 350mA.

Set

The output, marked SET, is used with latching detectors. The output becomes positive on correct Set of the system and is removed at the commencement of entry time or entry of the valid user code.

Jser code I 0123	
User code 2 Not programmed	
Engineer Code 9999	
Bell Duration 20 minutes	
Bell Delay No delay	

Program 1

Zone 1 Timed
Zone 2
Zones 38 Immediate
Exit time 30seconds
Entry 30seconds
Exit mode timed

Program 2

Zonel Timed
Zone 2
Zone 38 Immediate
Exit time 30seconds
Entry time 30seconds
Exit mode Disabled

Program 3

Zone 1 Timed
Zone 2 Time Inhibited
Zone38 Immediate
Exit time 30seconds
Entry time 30seconds
Exit modé Disabled

Security Zones Zones 18
Standard Fire zones None programmed
24 hour Fire zones None programmed
Push to set zones None programmed
Keyswitch zones None programmed
Double Knock zones None programmed
Omit prevent zones None programmed
Zone debounce period 300mS ALL zones

Flag A
Silent PA No
RKP PA Enable Yes
Engineer Reset No
Anti Code Reset No
Door bell on push to set No
Single key setting No
Strobe on setting No
External siren (bell) on Fire- No

Flag B

•									
User Reset PA	-	-	-	-	-	-	-	-	No
User Reset Fire	-	-	-	-	-	-	-	-	No
Rearm counter	-	-	-	-	-	-	-	-	3 (re-arms)
Service counter	-	-	-	-	-	-	-	-	Off
Site Code	-	-	-	-	-	-	-	-	00

Light Controller

Light Threshold 50%
Light Hold Time 30 seconds
Light Channel 1 No zones assigned
Light Channel 2 No zones assigned
Light Channel 3 No zones assigned
Light Channel 4 No zones assigned
Light Channel 5 No zones assigned
Light Channel 6 No zones assigned
Light Channel 7 No zones assigned
Light Channel 8 No zones assigned

First Power up

Powering up the panel for the first time.

- a. Check that the factory fitted links are connected to terminals PA, TAMP and T-A.
- b. Fit the battery wires to the BATT terminals on the board, Red to + and Black to -.



c. On connecting the battery the system will now go into alarm condition and Tamper is indicated

Tamper and there is an audible

indication.

d. Fit the cover to hold down the tamper spring at the bottom centre of the board.

e. Enter the user code: 0 1 2 3 (factory set code). The alarm condition will cease and the system will go to Day mode

f. Immediately enter the engineer code (Prog) (9) (9) (9)

The system is now in Engineer program mode and can be programmed. Note the

Tamper Tamper indicator is lit.

The panel is not supplied with wire links for unused zones. All unused zones must be programmed out by setting them to *disabled* using the Zone Type function see page 13.

Mains Connection

The mains power should be connected using a 3 core cable of not less than 1mm sq. from a fused spur to the mains connector inside the control panel. The 2 Amp fused spur must be located close to the control panel.



The mains supply must be connected by a technically competent person and according to current IEE regulations.



☐ Mains Input Fuse rating: 125mA, 250V type T (anti surge) and of a type approved to IEC 127 part 2 sheet III. On connecting the mains supply to the panel the power indicator is lit.

Power

Testing the system

Complete the wiring of the system and then:

- □ Fully test the system and ensure it is fault free.
- □ Fully program the system.
- ☐ Fill in the installation log at the back of the manual and retain if for future reference.
- □ Finally explain the operation of the system to the end user. The Operating Instructions are attached to the centre of this manual. Detach them and leave them with the user.

Engineer program mode

The panel may be programmed to suit a wide variety of installations. $\ensuremath{\boldsymbol{.}}$

Once the *engineer program mode* has been accessed, each configuration may be changed in any order. As each configuration is completed the system will automatically return to top level of engineer program mode.

Before entering *engineer program mode* the system should be in the Day mode, with the Day and Power indicators lit.

Key:

- LED steady On indication
- • LED flashing indication
- o LED Off

Internal sound

NOTE: In general a flat beep is an indication of an incorrect key press.

External devices



External siren (bell)

To exit

Quit the current function Leave program menu Down one menu level

System indications

Day 🔅 Power - Unset system indication

Power - Set system indication

To enter Engineer program mode

The factory configured engineer's access code is 9999. If however this code is changed then enter the appropriate code.

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Image: Second state sta
```

To Exit Engineer program mode Reset To Day

To reset panel to Factory settings



Access Codes

There are three codes used in the system, all are 4 digits in length and can be set to any number from 0000 to 9999. The access codes ensure that only authorised users can operate the system.

User 1 and 2 codes

The User 1 and User 2 codes have the same operation for testing, Setting and Unsetting, but User 1 code which is usually considered to be the Managers code has the authority to add, change or delete the User 2 code and duress code.

Engineer code

Accesses the Engineer Program mode to allow the system to be programmed. The engineer code will not set or unset the system.

If configured the Engineers access code can be used to reset the system after an alarm.

Entering an invalid User code will operate the code tamper. After nineteen incorrect key pushes a full alarm condition will be generated.

Exan Press	nple: s:	lo cha	ange	User	1 cod	e to 3457
Prog	9	9	9	9	8	1
3		5		Reset	Reset	

Enter Engineer program mode

8)	Codes
6	Attack

-(1) Change User code 1 -(2) Change User code 2

(9) Change Engineer code

Day

(n) (n) (n) New code (n)

NOTE - The sounder will produce a flat beep if the code is rejected. The Code is rejected if it is already in use.

C ZONE 1-4

O Day

Reset Exit codes O Attack

Reset) Leave engineer mode

Day Acknowledge O Tamper

Zone Type

The G3 panel is **not supplied with wire links** to terminate unused zones. Therefore all unused zones must be programmed out by setting them to *disabled* using the **Zone Type** function.



Zone Attributes



Zone attribute descriptions

Double knock: The panel will require 2 activations of the same detector before causing an alarm condition. This setting is used as a false alarm measure.

Double knock must not be used on zones having magnetic door/window contacts. **Omit Prevent:** The panel will prevent the zone from being omitted by the user when setting the system.

Zone Delay: The panel programs a zone delay to 800mS to give extra immunity to false alarms.

Programs

The panel uses 3 Part Set routines known as Programs. In each Program the exit mode can be changed and the zone may be set up to have a different function.

The examples below show how 3 typical Programs could be used in a house.

Program 1 : To arm all of the zones and become Set as the user leaves the property and closes the final door.

□ **Program 2** : To protect the perimeter of the property in the evening and become Set after say 20 seconds.

□ **Program 3**; To protect the downstairs areas of the house at night and become Set instantly and silently.

The above are purely examples. The installer must program the panel to configure all the circuits to the customer's exact requirements.

Zone function

Timed : This function would be used to protect the main entry/exit door of the entry route.

Time inhibited: This is a zone which, on setting the panel, allows access to the Entry / Exit zone. However, if the panel is set and an time inhibited zone is triggered before an Entry /Exit zone then an alarm will be generated immediately.

Immediate: This is a zone which will, when entered, go into alarm when the panel is set.

Unused : A zone that is programmed as an Unused zone by the Engineer is ignored by the panel. Primarily used for Part set options.

Exit Modes

Timed: A timed Program will become Set as the Exit timer expires.

Terminated Set:

This sets an infinite time out, which will only set once the PTS input is operated.

Final Door: A final door program will be Set 5 seconds after a timed zone has opened and closed.

Silent Set: This operates exactly the same as 'Timed' but completely silent without the internal sounder signal.

If a program is not selected when the user Sets the system, Program 1 will automatically Set. Therefore Program 1 is usually considered as the Full Set Program containing all of the zones.

Programs 1,2 and 3



Alarm and Walk tests



The alarm test function allows you to test the Strobe (Bell), Low and high volume sounders of the system.

The walk test function allows each detector to be checked in order to verify that they are functioning correctly.

'Flag A' Options

Exar engi	nple: neer r	To se eset,	t the p Press	oanel s:	for	-
Prog	9	9	9	9	3	3
Reset	Reset					

Enter Engineer program mode



Flag A descriptions: Silent PA : When this flag is set and on operating PA will cause a Silent PA alarm.

RKP PA Enable: When this flag is set the keypad PA buttons are enabled.

Engineer Reset: When this flag is set an Engineer code must be entered to reset the system after a full alarm. When the flag is clear the system can be reset by the user.

Anti-code Reset: When this flag is set it enables the anti code reset function.

Enable Door bell on PTS: When this flag is set it allows a zone circuit programmed as PTS to operate as a door bell.

Enable single key setting: When this flag is set it allows the panel to be set by pressing the SET button (ie code entry is not needed), however a 4 digit code is needed to Unset the panel.

Enable strobe on setting: When this flag is set the external strobe will flash for 3 seconds once the panel has successfully set.

Enable external Fire bell: When this flag is set the system siren (bell) will sound 2 seconds On / 2 seconds Off during a fire alarm.

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ίΞì	au	ρ,	on	tions	
	ay		υρ	LIONS	2

Flag B descriptions:

if Engineer reset flag is set.

if Engineer reset flag is set.

period without causing a full alarm.

User Reset Fire: When this flag is set it permits the user code to reset the system after a Fire alarm, even

Entry deviate: When this flag is set it permits an immediate zone to be activated during the entry



Viewing the event log



External siren (Bell) and

Service Timers



Re-arm and Anticode reset code



After an alarm the panel will automatically reset itself when the siren (bell) timer has expired. Any zones which still remain open at that time will be omitted automatically.



Anti code reset (Engineer reset)

If the system has been programmed to be engineer reset, after an alarm it will lock out and the RKP will continually display the cause of the alarm. The engineer would then be required to attend the site and use the engineer code to reset the system.

Where anti-code reset has also been enabled, the RKP will still show the alarm cause and also display a 4 digit 'quote code' by sequentially flashing zone indicators 1-8.

At this point the end user would contact the engineer. After determining the cause of the alarm and deciding that a engineer call was not necessary, a 6 digit anti-code would be given to the user which would reset the system.

This anti-code is generated from a small computer program can be run on a PC by the engineer.

Security of the anti-code reset system is maintained by a 2 digit site code which is set up in the anti-code generator programme. The same 2 digit site code must also be set up in the control panel during installation.

Lighting controller Example: To assign zones 1 and 2 to lighting controller channel 1, Press: (9) (9) (9) (9) 2 Prog 9 $(\mathbf{1})$ $(\mathbf{1})$ Reset (Reset) (Reset Enter Engineer program mode (9) Lighting Controller To assign zones to channel Attack press to select and again to deselect zone 🛎 All Zones (Factory default: No zones are selected) Channel 1 assigned zones Channel 2 2 assigned zones Channel 3 (3) Appropriate assigned zones Zone indicator number button to sele ropriate light channel is lit to identify Channel 4 4 its assignment to assigned zones channel Channel 5 (5) 🐞 Day assigned zones Zone n Press the ap Channel 6 to the channel 6 assigned zones O Zone n not assigned to the channel Channel 7 $^{\odot}$ (7)assigned zones Channel 8 -(8) 8 Reset Exit current level assigned zones Reset Hold time (0-99 seconds) Exit Lighting controller (20 seconds factory default) O Attack Set the light three light thre Set the light threshold (Rosot) Leave program mode Day EAcknowledge O Tamper 🔵 Day 0% threshold or I acknowledge 0 second hold time Zone O Day 1% threshold or + 1 second hold time (Reso) Exit Lighting controller 20% threshold or O Attack 20 seconds hold time Reset Leave program mode Day Acknowledge O Tampe

SL8 G3 Intruder system

Faults

Fault conditions are often the result of minor installation errors or misinterpretation of the equipment being installed. The following points outline the most common installation and commissioning faults.

- a. As supplied the user code is 0123 and the engineer code is 9999. Both codes will revert back to these default settings on clearing the NVM., see NVM clearing procedure.
- b. The Engineer Program is accessed directly from Day mode via the engineer code.
- c. If a tamper, PA or 24Hr fire fault is present on the system, it will go to a lock out condition (showing the appropriate indication). The keypad will not produce any audible responses and the system will not operate until the fault has been found and rectified.
- d. The most common cause of a zone not responding to detection is incorrect wiring. Normally closed detectors must be wired together in a series loop before connecting into the appropriate ZONE terminals. Tampers are series wired in the same manner.
- e. Where a permanent zone fault is showing and the loop resistance is found to be in order, the most probable cause is a short circuit between the zone wiring and the tamper wiring. When measured with a multimeter the series resistance between the zone and tamper wiring should be infinitely high.
- f. If totally lost as to the cause of a fault, remove ALL wiring from the board. Refit the 4-links and test the system. Never fit links to any positions other than those marked on the board.
- g. Before testing or replacing any fuses, ALL power must be removed. Fuses which fail continually are almost certainly the result of a short circuit or low resistance across the 13V supply or external siren (bell) supply (terminal D).

Whenever working close to the mains supply or connector, you should exercise extreme caution. Always isolate the mains supply before removing the control panel covers.

h. Where normally open detectors are connected are being used , they must be wired in the manner shown.

The example below shows how to wire normally open detectors on zones 3 and 4.



The example below shows how to wire normally open detector on zones 3 and a normally closed detector on zone 4.



Where **Pressure mats** are being used these must be connected to a zone in the manner shown. The example below shows pressure mats connected to zones 3.



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SL8 G3 Intruder system

Engineering information

Specification		Dimensions	Panel H 200mm W 253mm
Indicators on RKPs	Zone 1-8, Power, Attack, Tamper and Day		D 55mm
8 Zones	+ve loop, programmable function in each program		RKP H 85mm W 122mm D 28mm
Tamper	-ve loop, internal sounders in Day – Full alarm in Set		
PA	+ve loop, always active		
External siren (bell) Output	12V, adjustable timer (1-99 mins) or continuous		
Strobe Output	12V latching		
Extension Speaker	16 ohms (2 maximum) 260mA each		
Exit/Entry timers seconds	Programmable (10-99 seconds)		
Zone Input Delay	300 or 800mS		
Set +ve Output	0V in Day (sinking 40mA)		
	12V in Set (sourcing 10mA)		
Current Consumption Control panel	Standby 80mA Alarm 250mA		
Current	Standby 40mA		
consumption RKP	Alarm 70mA		
Low voltage output	13.8V dc stabilised (+/- 5%) up to 350mA		
Rechargeable Battery	12V, 1.2 or 2.1Ah		
Charge Voltage	13.8V dc (+/-5%)		
board Fuses	1.6A & 1A 20mm quick blow		1
Mains Input fuse	125mA, 250V type T (anti-surge) type approved to IEC 127, part 2 sheet III		
Total Current Output	1 A when supported by a fully charged battery		
Mains Supply Voltage	230V (+/-10%) 50Hz max load 0.2A		
Ambient Operating temperature	0°C to 40°C		
Enclosure construction	3mm Polycarbonate		

Index	F	Q
!	Factory set	Quick set
13V Supply 8	Foulto 23	quote code .
24 hour fire zone . 1,7,9,13	Final door set 15.16	R
3 Part Set 15	Fire zone	Re-arm
Α	Flag A	Rearm counte
AC terminals 3	Flag B 19	Remote keyp
Access Codes 12	Full Set 15	Remote keys
Alarm test 17	Fuses 3,23	
Anti Code Reset . 9,18,21	н	KKP PA enat
в	Hold time 22	S
Battery 10.24		Security Zone
Bell Delay 9	1	Service count
Bell Duration 9	Immediate zone . 15	Service timer
Bell in fire 18	к	Set
Bell timer 20	Keyswitch zone . 9,13	Set system .
Board		Silent Set
BS 4737 1986/87. 1	Light channel 22	Single key se
с	Light Hold Time 9	Site Code
Charge Voltage 24	Light threshold 9.22	Speakers
Chime 1	Lighting controller 1,9,22	Standard Fire
Codes 1	Local Authority . 3	Strobe on set
Current	M	т
Consumption 24	Maine 10.24	TADB
D	Managers code 12	Tamper
Day mode 10		Tamper fault
Detectors 2	N	Tamper netw
Dimensions 24	NACOSS 6	Terminated S
Door bell 9,18	detectors 23	Time inhibite
Double knock 9,14	Normally open	zone
E	detector 23	Timed evit
Engineer Code 9,12	NVM 1	Timed zones
Engineer program	0	Total current
mode 11,23	Omit prevent 914	
Engineer Reset 9,18	Operating	U
Entry time 916	temperature 24	Unset system
Event log 19	D	Unused Zone
Exit Mode 9,15,16	PA 1724	User 1
Exit time 9,16	PA fault	User 1 and 2
Exit/Entry timers . 24	PCB Fuses 24	User 2
Extension	Pressure mats 23	User code 2.
speakers 7	Program 1 9,15	User reset fire
External bell	Program 2 9,15	User reset PA
External siren	Program 3 9,15	V
(bell)	Programs 1,2 and 316	Volume
External siren	PIS zone 1,13	W
(Bell) Output 24	Push to Set 0,9	Wolk Test
		wire links
		and mike.

S Security Zones 9,13 Service counter 9 Service timer 20 Set	Z Zone Attributes 14 Zone debounce 9 zone delay 14 Zone Input Delay. 24 Zone Type 13	Q Quick set 1 quote code 21 R Re-arm 21 Rearm counter . 9 Remote keypad 1,5 Remote keyswitch 6 RKP 2,5,9,24 RKP PA enable 18
Single key setting 9,18 Site Code9 Speakers2 Standard Fire zone 7,9 Strobe on setting.9,18 T	5	S Security Zones 9,13 Service counter 9 Service timer 20 Set 9 Set system 11 Silent PA 9,18 Silent Set 15,16 Single key setting 9,18 Site Code 9 Speakers 2 Standard Fire zone 7,9 Strobe on setting 9,18 T 1
T A D B 8 Tamper 24 Tamper fault 23 Tamper network . 7 Terminated Set 6,15,16 Time inhibited zone 15,16 Timed exit 16 Timed zones 16 Timed zones 16	16	T A D B 8 Tamper 24 Tamper fault 23 Tamper network 7 Terminated Set 6,15,16 Time inhibited 15,16 Timed 15 Timed exit 16 Timed zones 16 Total current 2
Unset system 11 Unused zone 15,16 User code 1 9 User 1 and 2 codes 12 User 2 1 User code 2 9 User reset fire 9,19 User reset PA 9,19 \bigvee Volume 7 \bigotimes Walk Test 1,17 wire links 3	5	Unset system 11 Unused zone 15,16 User code 1 9 User 1 1 User 1 and 2 codes 12 User 2 1 User code 2 9 User reset fire 9,19 User reset PA 9,19 V Volume 7 W Walk Test 1,17 wire links 3

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SL8 G3 Intruder system

Engineering informatio

Notes	
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*.	

Servicing organisation Details

Servicing organisation name:

Telephone number:

Date of installation:

Account Number:

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Below is a list of approved parts and accessories.

Parts

8SP 402SL8 G3 panel6EP 378SL8 LED RKP8EP 289Extension Speaker8EP 372Opti-Cam Lighting ControllerA range of detectors are also available, for moreinformation contact your supplier.

	Resistance	Area protection and equipment used (eg PIR, Contacts)
Zone 1		
Zone 2		
Zone 3		
Zone 4		
Zone 5		
Zone 6		
Zone 7		
Zone 8		

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