Intruder alarm system

CITADEL
Providing security every day

XR1

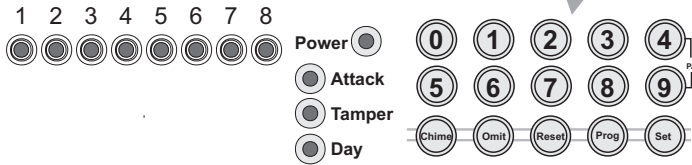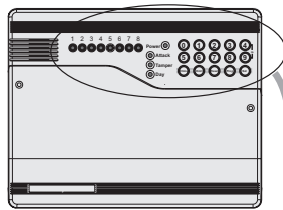## Operating Instructions

These operating instructions cover the following intruder system:

☐ 8EP 394 XR1G3 panel with built in keypad

For Clarity, the information given on setting the system, assume that all Programs use a timed or final door setting routine.

8EP 394 XR1 G3 panel with built-in keypad

1 2 3 4 5 6 7 8

Power
Attack
Tamper
Day

0 1 2 3 4 PA
5 6 7 8 9
Chime Omit Reset Prog Set

Key

LED steady On indication

LED flashing indication

○ LED Off

Internal sound

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

External devices

Strobe

Bell

Unset system indications

An unset system will have both Day and Power indicators lit. This is a normal indication when the system is disarmed.

Day Power

Note: If the Power indicator goes off at any time then there is a mains supply failure at the security panel, consult your servicing organisation.

Set System indication

An active 'Set' system will have only the Power indicator lit. This is an armed system indication.

Power

Contents

Access codes

There are two User codes used in the system, both are 4 digit and can be set to any number from 0000 to 9999, signified by:

(n) (n) (n) (n)

The user 1 and 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.

☐ User 1 code - 0123 factory set

☐ User 2 code - not programmed.

How to operate Personal Attack

Personal Attack buttons on the keypad are used to activate the alarm, irrespective of whether the system is armed or not.
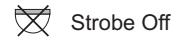Press Simultaneously:

(4) (9)

How to unset system in alarm

Enter your code. Entering the code will turn the alarm off and the cause of the alarm will be displayed. After investigation press Reset to clear the indication.

(n) (n) (n) (n)

⊠ Bell

⊠ **Alarm**

🔴 **FIRST ZONE IN ALARM**

⚪ **OTHER ZONES IN ALARM**

Investigate the Alarm

(Reset) ○ **ALL ZONE**

⊠ Strobe Off

🔅 **Day**

> **Note:** If the alarm indication does not clear, then the system may need to be reset by the installation engineer, contact your installer for further information.

Programs 1, 2 and 3

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 silently.

The above are purely examples. The installer has the ability at the programming stage to configure all the circuits to the customer's exact requirements.

How to set the system (on program 1)

The green Day indicator should be showing.
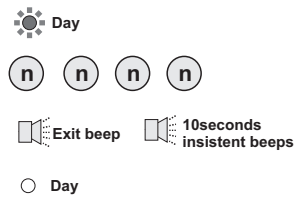
Enter your code number and check that the system is clear (none of the zone indicators are showing). The sounder will now produce an exit beep tone and you should leave by the approved route. The system will Set as the beep tone stops.

☀ **Day**

(n) (n) (n) (n)

🔊 **Exit beep**   🔊 **10 seconds insistent beeps**

○ **Day**

Push to Set Switch

In some systems a Push to Set switch may be fitted outside the premises near to the main exit door. This should be used to complete the setting procedure once the building has been vacated. As the switch is operated, the exit beep tone will stop and a chime tone will be produced to acknowledge setting.

Keyswitch Set

Your system may have been fitted with a remote keyswitch. This can be used as an alternative to arming the system with a code and will set Program 1.

Where a keyswitch is used it may be necessary on occasions to allow it to catch up with the system. For example if the alarm was set with a code, to Unset with the keyswitch, it would have to be momentarily turned to Set then returned to Unset.

Faults during setting

If the system is not clear when you try to Set it, the sounder will produce an open zone tone and the fault will be displayed. Either re-enter your code to turn off and investigate or omit the faulty zone(s) from the system.
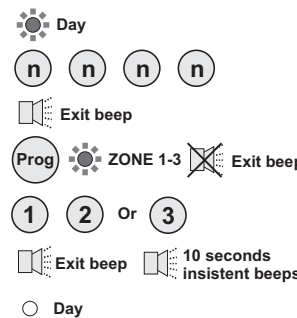
How to unset the system (turn off)

On entering the premises an entry beep tone come on. Enter your code, the green Day indicator is lit. The system is unset and disarmed.

🔊 **Entry beep**

○ **Day**

(n) (n) (n) (n)

🔊 **Acknowledge**

☀ **Day**
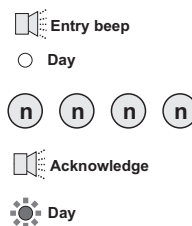
How to set program 1,2 or 3

The green Day indicator should be showing.

☀ **Day**

(n) (n) (n) (n)

🔊 **Exit beep**

(Prog) ☀ **ZONE 1-3** ⊠ **Exit beep**

(1) (2) **Or** (3)

🔊 **Exit beep**   🔊 **10 seconds insistent beeps**

○ **Day**

Enter your code number and the exit beep tone will start. Press the Prog key and the exit tone will stop. Press 1, 2 or 3 for the required program, the sounder will beep to acknowledge the program number. The exit beep tone will start and you should leave by the approved route. The system will Set as the beep tone stops.

It is important that you follow the correct procedure when setting the system. After leaving the protected area it is absolutely essential that you wait until the exit tone stops, before assuming the system has set.

How to Quick set

During the exit period (on entering User code)

☀ **Day**

Set the system or
Set a Program

(**Set**)

🔊 **5 seconds insistent beeps**

○ **Day**

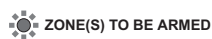the system may be Set quickly by pressing Set. This removes the exit time period.

If you omit zones and require Quick Set, you will need to press Set twice.

How to Omit zone(s) on setting system

During the exit period after entering User code

☀ **Day**

Set the system or
Set a Program and while the system is setting:

(**Omit**) ☀ **ZONE(S) TO BE ARMED**

⊠ **Exit beep**

(n) Press the zone(s) to be omitted

☀ **ZONE(S) TO BE OMITTED**

(**Set**)

🔊 **Exit beep**   🔊 **10 seconds insistent beeps**

○ **Day**

and selecting a program press OMIT, the exit tone will stop and zones that are about to be armed will be displayed. Key in the zone number(s) to be omitted which will flash to confirm selection. Zone indicators which show steady are still about to be armed. When the selection is complete press Set and the exit tone will start.
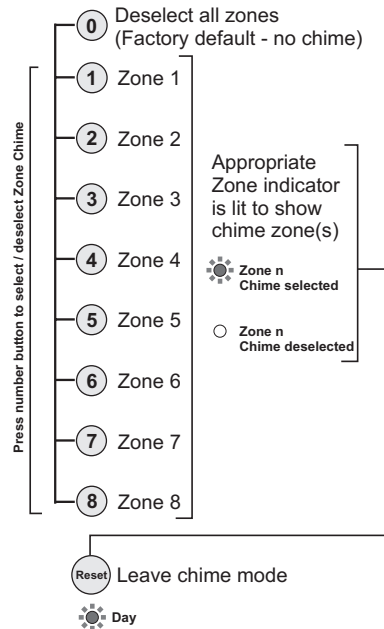
If a zone refuses to be omitted, it may be because the engineer has programmed the panel to prevent you from turning off the zone. If in doubt ask your installer for advice.

Fire Alarm

The fire zone will operate on detection of a fire, whether the system is Set or Unset, when configured as a 24 hour zone, and cause a distinctive internal sounder tone. The external sounders will pulse on and off at 2 second intervals and zone indicator will flash to attract attention.

How to set Chime Zones

Example: To set zone 3 and 4 to chime, Press:

(Chime) (3) (4) (Reset)

☀ **Day**

(Chime) **Timeout after 5 seconds if no selection is made**

☀ **Day**

🔊 **Chime**

(0) Deselect all zones (Factory default - no chime)

(1) Zone 1

(2) Zone 2

(3) Zone 3

(4) Zone 4

(5) Zone 5

(6) Zone 6

(7) Zone 7

(8) Zone 8

Press number button to select / deselect Zone Chime

Appropriate Zone indicator is lit to show chime zone(s)

☀ **Zone n Chime selected**

○ **Zone n Chime deselected**

(Reset) Leave chime mode

☀ **Day**

Chime is a low security monitoring system for use when the system is Unset. When a zone that is set to chime is operated, the internal sounder will produce a low volume two stage warning tone and the Zone indicator will show. The indicator may be cancelled by pressing Reset. Chime is particularly useful in a shop to warn of a customer presence or in a house to warn that a door or particular area has been accessed.

Any zone may set to be on or off chime by pressing the CHIME key and then keying in the required zone number(s). Key 0 to cancel all zones from chime. After a few seconds the system will automatically return to the Day mode.

Operator's Program mode

The information below shows the programmable options available and how to change them.

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

> **Note:** When programming the system should be in the Day mode, with the Day and Power indicators lit.

To exit operation at any time

On pressing the Reset key you will quit the current level of operation.

(Reset) Quit the current function
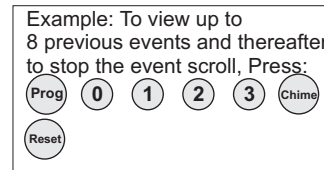Leave Engineering menu
Down one menu level

How to enter Operator's program mode

To enter the Operator's program mode the

(Prog)

☼ ZONE 1 - 8
Momentarily On

(0) (1) (2) (3)

▯ Acknowledge

☼ Tamper   ○ Day

system should be in Day mode with the Day and Power indicator lit.

How to view the events log

The panel can hold up to 8 previous events which can be scrolled automatically or manually. The automatic scroll starts with the newest event (number 8) to the oldest one (number 1).

Example: To view up to
8 previous events and thereafter
to stop the event scroll, Press:
(Prog) (0) (1) (2) (3) (Chime)
(Reset)

Enter Operator's program mode

(Chime) View the event log

○ Tamper
Automatic event scroll
Starting from event 1 to 8

To manually scroll
- (1) View event 1 (oldest event)
- (2) View event 2
- (3) View event 3
- (4) View event 4
- (5) View event 5
- (6) View event 6
- (7) View event 7
- (8) View event 8 (Newest event)
- (Chime) Resume automatic scroll

Zone, PA and Tamper indicators will be lit to show zone in alarm. Flashing indicates the first zone in alarm. Day indicates status of panel at the time of alarm

(Reset) Stop event scroll / view ☼ Tamper

Leave program mode

☼ Day ▯ Acknowledge ○ Tamper

Operator's Program mode

How to create/omit User 2 code

User 1 code which is usually considered to be the Managers code has the authority to add, change or delete the user 2 code.
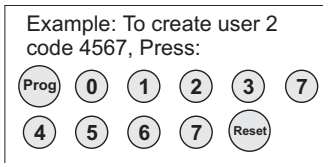
Example: To create user 2 code 4567, Press:

(Prog) (0) (1) (2) (3) (7)
(4) (5) (6) (7) (Reset)

Enter Operator's program mode

(7) Change / omit User code 2 (By user 1 only)

☀ **Attack**

☀ **ZONE 1-4**

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

NOTE - The sounder will produce a flat beep if code is rejected.

Or

(Omit) To omit the user 2 code

📢 **Rising beeps**

○ **ZONE 1-4**   ○ **Attack**

(Reset) Leave program mode

☀ **Day** 📢 **Acknowledge** ○ **Tamper**

How to change current user code

You can change the current user 1 or user 2 code for security reason.

Example: To change user 1 code from 0123 to 7777, Press:

(Prog) (0) (1) (2) (3) (8)
(7) (7) (7) (7) (Reset)
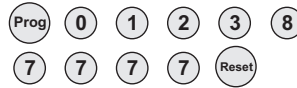
Enter Operator's program mode

(8) Change the code of Current user (either User 1 or User 2)

☀ **Attack**

☀ **ZONE 1-4**

(n) (n) (n) (n)

Current user new code

NOTE - The sounder will produce a flat beep if code is rejected.

📢 **Rising beeps**

○ **ZONE 1-4**

NOTE - Factory default code for User 2 is not programmed

○ **Attack**

(Reset) Leave program mode

☀ **Day** 📢 **Acknowledge** ○ **Tamper**

How to carry out 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.

Example: To start bell test and thereafter to stop bell test.

(Prog) (0) (1) (2) (3) (0) (3) (0) (Reset) (Reset)

Enter Operator's program mode

(0) Alarm test

Attack

Press zero to turn off options 2,3,4 and 5 before selecting a new one

(2) Strobe test — Strobe On — Day

(3) Bell test — Bell on — Day

(4) Low volume sounder — internal low volume sound — Day

(5) High volume sounder — internal high volume sound — Strobe On — Day

(6) Walk test — Strobe — Day

x1 for zone 1
x2 for zone 2
|
x4 for zone 4
flat x1 for zone 5
flat x2 for zone 6
|
flat x4 for zone 8

Appropriate zone lights are lit(latched)
— Zones

Rapid for PA — Attack

Rapid for Tamper — Tamper

(0) OFF ○ Day

(Reset) Exit current level ○ Attack

(Reset) Leave program mode

Day — Acknowledge ○ Tamper

Servicing organisation details

Servicing organisation name:

_____

Telephone number:

_____

Date of installation:

_____

Account Number:

_____

Installation Date:

_____

Bell Time:_____

Bell delay_____

Area protected	Program 1	Program 2	Program 3
Zone 1			
Zone 2			
Zone 3			
Zone 4			
Zone 5			
Zone 6			
Zone 7			
Zone 8			

T = Timed (Entry/Exit - Zone)
TI = Time Inhibited (Access zone to keypad)
I = Immediate (All zones armed to give full alarm)

Quick Reference

Quick Reference

To Omit zones on Setting system

Set the system or Set a Program and while the system is setting:

Press the zone(s) to be omitted

- Day
- ZONE(S) TO BE ARMED
- Exit beep
- n
- Omit
- Set
- ZONE(S) TO BE OMITTED
- Exit beep
- 10 seconds insistent beeps
- Day

To Reset Alarm state

- n n n n
- Bell
- Alarm
- FIRST ZONE IN ALARM
- OTHER ZONES IN ALARM

Investigate the Alarm
- Reset — ALL ZONE

Strobe Off
- Day

To set Chime zone

- Chime
- 1 — 8 — Zone to chime
- Reset

Normal indications of an Unset system

- Day — Power

Alarm indications

- Bell On — Strobe — Alarm

Tamper / Service warning

- Tamper

To Quick Set the system

Set the system or Set a Program
- Day
- Set
- 5 seconds insistent beeps
- Day

To Un-set the system

- Entry beep
- Day
- n n n — Acknowledge
- Day

To Set a Program

- Day
- n n n
- Exit beep
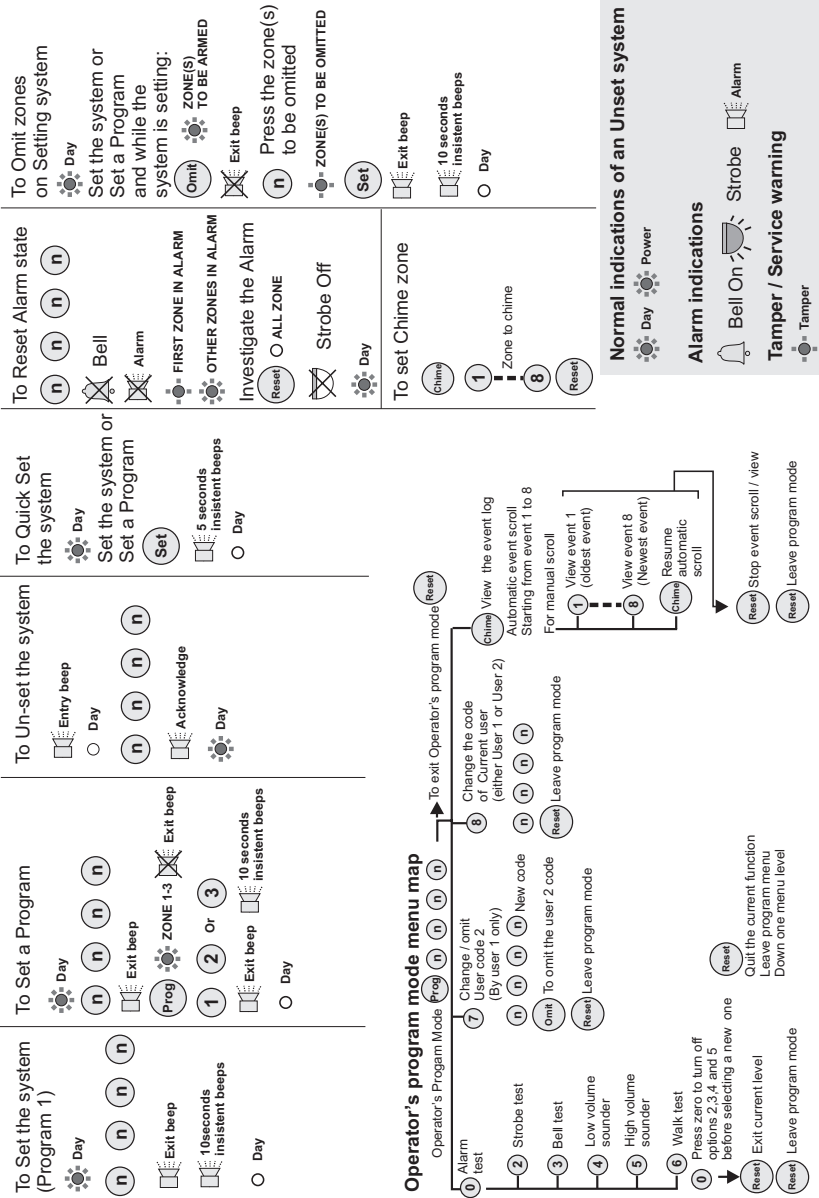- Prog — n n n
- ZONE 1-3 — Exit beep
- 1 2 Or 3
- Exit beep — 10 seconds insistent beeps
- Day

To Set the system (Program 1)

- Day
- n n n
- Exit beep — 10 seconds insistent beeps
- Day

Operator's program mode menu map

Operator's Program Mode — Prog

To exit Operator's program mode — Reset

0 Alarm test

2 Strobe test

3 Bell test

4 Low volume sounder

5 High volume sounder

6 Walk test

0 Press zero to turn off options 2,3,4 and 5 before selecting a new one

- Reset Exit current level
- Reset Leave program mode

7 Change / omit User code 2 (By user 1 only)
- n n n New code
- Omit To omit the user 2 code
- Reset Leave program mode

8 Change the code of Current user (either User 1 or User 2)
- n n n
- Reset Leave program mode

Chime View the event log — Reset
Automatic event scroll Starting from event 1 to 8

For manual scroll
- 1 View event 1 (oldest event)
- 8 View event 8 (Newest event)
- Chime Resume automatic scroll
- Reset Stop event scroll / view
- Reset Leave program mode

Reset
- Quit the current function
- Leave program menu
- Down one menu level

The panel conform to the requirements of the European EMC and Low Voltage directives, and carries the CE mark.

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