

MATRIX®

USER GUIDE

**THIS GUIDE SUPPORTS MATRIX RANGE
INCLUDING MX PROX**



WINNER
2001
Best
Manufacturer
2001

 **Pyronix®**

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PRESS  OR  TO SCROLL THROUGH ALARM TYPES	PRESS THE  KEY TO VIEW ZONE NUMBER / USER CODE AND MEANING		
	LCD BOTTOM LINE	LCD TOP LINE	EXPLANATION
OPEN / CLOSE			
Armed	01 - 32 A	User name	Armed in mode A by user, number signifies code used
Armed	01 - 32 B	User name	Armed in mode B by user, number signifies code used
Armed	01 - 32 C	User name	Armed in mode C by user, number signifies code used
Armed	01 - 32 D	User name	Armed in mode D by user, number signifies code used
Disarmed	01 - 32	User name	Unset by user, number signifies code used
Inactivity Arm	01 - 32	X	Armed due to inactivity timer
Arm depend	X	X	Armed due to dependency on other partitions
Disarm depend	01 - 32	X	Disarmed due to dependancy on other partitions
RESTORE			
UC after alarm	01 - 32	User name	User code after alarm - number signifies user
Bell time end	X	X	Bell time expired
Power on	X	X	Panel powered up
SYSTEM EVENTS			
Engineer end	X	X	Engineer mode exited
Engineer Start	X	X	Engineer mode entered
Walk test enter	X	X	Walk test entered
Walk test end	X	X	Walk test exited
Log cleared	X	X	Log cleared
NVM reset	X	X	NVM reset to factory defaults
Time & Date	01 - 32	User name	Time and date changed, number signifies code used
Device found	01 - 64	X	Remote device found on bus - number refers to type / ID
Device lost	01 - 64	X	Remote device found on bus - number refers to type / ID
SYSTEM FAULTS			
Bell fuse fail	X (restore)	X	Bell fuse fail / (restore)
Aux fuse fail	X (restore)	X	Auxiliary fuse fail / (restore)
Battery missing	X (restore)	X	Battery missing / (restore)
Battery low	X (restore)	X	Battery low voltage / (restore)
Mains fail	X (restore)	X	Mains fail / (restore)
Telephone fail	X (restore)	X	Telephone line fail / (restore)
Device fail	X (restore)	X	Remote device has gone missing / found on bus
Fail to report	X (restore)	X	Failed to report to central station / (restore)

15 LCD LOG TABLE

PRESS  OR  TO SCROLL THROUGH ALARM TYPES	PRESS THE  KEY TO VIEW ZONE NUMBER / USER CODE AND MEANING		
	LCD BOTTOM LINE	LCD TOP LINE	EXPLANATION
Entry Exit	X	X	Entry / Exit time expired
Personal Attack	Zone number	X	PA zone activated, number signifies zone, 00 = keypad
Fire alarm	Zone number	X	PA zone activated, number signifies zone, 00 = keypad
Alarm	Zone number	Zone name	Burglary on zone, number signifies zone
Zone tamper	Zone number	Zone name	Tamper on zone, number signifies zone
Medical alarm	Zone number	X	Medical alarm number signifies zone, 00 = keypad
Tamper	01	X	Global tamper loop broken
Tamper	02	X	Bell tamper loop broken
Tamper	03	X	Zone expander board not present
Tamper	04	X	Fire detector tamper
Tamper	05	X	Remote device missing caused tamper
Tamper	06	X	Key press tamper
Tamper	08	X	Key press tamper
Tamper	09	X	A remote device has transmitted a tamper
Line fail alarm	X	X	Telephone line fail alarm
Omit zone	01 - 32	Zone name	Zone omitted, number signifies zone
Device tamper	XX 01 - 99	XX = device number	Remote device auxiliary tamper
PA restore	Zone number	User name	Personal attack restore
Zone restore	Zone number	User name	Zone restore
Fire restore	Zone number	User name	Fire restore
GT restore	Zone number	User name	Global tamper restore
Alarm restore	Zone number	User name	Alarm restore
Medical restore	Zone number	Medical restore	Medical restore
UP / DOWN LOADING EVENTS			
Panel ans tel.	X	X	Panel answered the telephone
Panel hug tel	X	X	Panel hung up the telephone line
Full upload	X	X	Full data download from panel
Full download	X	X	Partial upload to panel
Partial upload	X	X	Upload data to panel complete
Upload complete	X	X	Upload data to panel complete
Down load	X	X	Download data from panel complete
Bad UDL code	X	X	Incorrect UDL code
UDL code OK	X	X	UDL code accepted
Time and date	X		Time and date changed by PC
LC expected	X	X	Local connection expected
PC Arm - Disarm	X	X	PC armed or disarmed the panel

1. GENERAL FEATURES

Thank you for buying the Matrix control panel, which uses the latest technology in design and manufacture. As the end user of the Matrix this manual has been written to help you use the functions of your alarm system, enabling you to get the best out of the Matrix panel.

Once you are familiar with the panel and its functions it is advisable **to change the factory set Master User code.**

The system can be operated in the following modes from which different options are available to the end user:

1. FUNCTIONS AVAILABLE IN DISARMED MODE

- Arming the panel in (Single partition).
- Arming the panel in (Multiple partitions).

2. FUNCTIONS AVAILABLE IN ARMED MODE

- Disarming the panel in (Single partition).
- Disarming the panel in (Multiple partitions).

3. FUNCTIONS AVAILABLE IN ALARM MODE

- Alarm in Single partition.
- Alarm in Multiple partitions.

4. FUNCTIONS AVAILABLE FROM ALL MODES

- Options available in all modes.

5. FUNCTIONS AVAILABLE IN USER MODE

- All user options are available from the user mode.

5.1 FUNCTIONS AVAILABLE IN LIMITED USER MODE

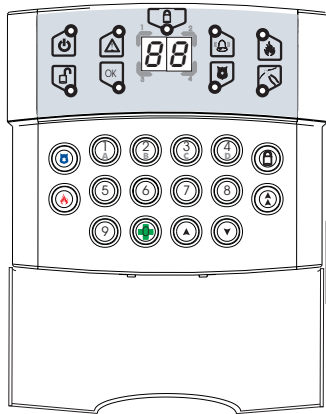
- Allows arming / disarming the panel, viewing of the event memory log, and setting the brightness / volume of the keypad.

5.2 FUNCTIONS AVAILABLE IN MASTER USER MODE

- Gives access to all limited user functions as well as changing user codes and clock settings.

2. KEYPAD LAYOUT

LED KEYPAD



LCD KEYPAD



BUTTON MEANINGS



Seven segment display
Shows zone numbers, partitions armed, system faults, and event memory log number.



Personal Attack Alarm
Holding this button down for 2 seconds triggers an immediate PA alarm.



Fire Alarm
Holding this button down for 2 seconds triggers an immediate Fire alarm.



Numerical buttons
Functional buttons used for inputting user codes and user programming.



LED icon Display
Flashing LED'S on / off the status of the system in different modes.



Arm button
Used to change arm mode during exit delay.



Function button
Used to enter / exit user mode and, save programming options.



Direction buttons
Direction keys are used to select options and view the log.



Medical button
Holding the medical button down for 2 seconds will trigger an emergency alarm.

BUTTON MEANINGS



Personal Attack
Holding this button down for 2 seconds triggers an immediate Personal Attack alarm



Fire alarm
Holding this button down for 2 seconds triggers an immediate Fire alarm



Medical Button
Holding the medical button down for 2 seconds will trigger an emergency alarm.



Arm Button
Used to change arm mode during final exit display.



Function Button
Used for selecting options and confirming actions.



Menu Button
Used to enter and exit menu mode

Directional Buttons



Scrolls up menu options and functions





Scrolls down menu options and functions




Scrolls to the right in some menu functions



Scrolls to the left in some menu functions

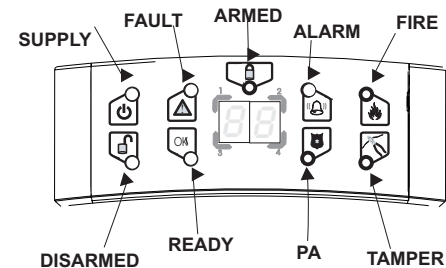
PRESS  OR TO SCROLL THROUGH ALARM TYPES	PRESS  OR AGAIN FOR ZONE NUMBER / USER CODE	ALARM TYPE MEANINGS	LED INDICATION
OPEN / CLOSE			
A	01 - 32	Armed in mode A by user, number signifies code used	None
B	01 - 32	Armed in mode B by user, number signifies code used	None
C	01 - 32	Armed in mode C by user, number signifies code used	None
D	01 - 32	Armed in mode D by user, number signifies code used	None
U	01 - 32	Disarmed by user, number signifies code used	None
At	X	Armed due to inactivity timer	None
AP	X	Armed due to dependency on other partitions	None
UP	X	Disarmed due to dependency on other partitions	None
RESTORE			
r 1	01 - 32	User code after alarm - number signifies user	None
r 2	X	Bell time expired	None
SYSTEM EVENTS			
EO	X	Bell time expired	None
E1	X	Engineer mode entered	None
≡	1	Walk test entered	None
≡	2	Walk test exited	None
≡	3	Log cleared	None
≡	4	NVM Reset to factory defaults	None
td	01 - 32	Time & date changes by user, number signifies code used	None
??	01 - 64	Remote device found on bus - number refers to type / ID	None
?	01 - 64	Remote device lost on bus - number refers to type / ID	None
SYSTEM FAULTS			
Q(r)	1	Bell fuse fail / (restore)	None
Q(r)	2	Auxiliary fuse fail / (restore)	None
Q(r)	3	Battery missing / (restore)	None
Q(r)	4	Battery low voltage / (restore)	None
Q(r)	5	Mains fail / (restore)	None
Q(r)	6	Telephone line fail / (restore)	None
Q(r)	7	Remote device has gone missing / been found on bus	None
Q(r)	8	Failed to report to central station	None































14 LED LOG TABLE

PRESS  OR TO SCROLL THROUGH ALARM TYPES	PRESS  OR AGAIN FOR ZONE NUMBER / USER CODE	ALARM TYPE MEANINGS	LED INDICATION
EE	X	Entry / Exit time expired	Alarm
00 - 32	X	PA zone activated, number signifies zone, 00 = keypad	PA Flashing
00 - 32	X	Fire activated, number signifies zone, 00 = keypad	FIRE Flashing
01 - 32	X	Burglary on zone, number signifies zone	Alarm Flashing
01 - 32	X	Tamper on zone, number signifies zone	Tamper Flashing
00 - 32	X	Medical alarm number signifies zone, 00 = keypad	None
.t	01	Global tamper loop broken	Tamper
.t	02	Bell tamper loop broken	Tamper
.t	03	Zone expander board not present	Tamper
.t	04	Fire detector tamper	Tamper
.t	05	Remote device missing caused tamper	Tamper
.t	06	Key press tamper	Tamper
.t	09	A remote device has triggered a tamper	Tamper
L	X	Telephone line fail alarm	Line fail alarm
O	01 - 32	Zone omitted, number signifies zone	Omit zone
.rt	01 - 99	Remote device auxiliary tamper	Device tamper
01 - 32	X	Personal attack restore	PA steady
01 - 32	X	Zone restore	Alarm steady
01 - 32	X	Fire restore	Fire steady
01 - 32	X	Global tamper restore	Tamper steady
01 - 32	X	Alarm restore	Alarm steady
01 - 32	X	Medical restore	None
UP / DOWN LOADING EVENTS			
PC	00	Panel answered the telephone	None
PC	01	Panel hung up the telephone line	None
PC	02	Full data down load from panel	None
PC	03	Partial upload to panel	None
PC	04	Upload data to panel complete	None
PC	05	Upload data to panel complete	None
PC	06	Download data from panel complete	None
PC	07	Incorrect UDL code	None
PC	08	UDL code accepted	None
PC	09	Time / Date changed by PC	None
PC	10	Local connection expected	None
PC	11	PC Armed / Disarmed the panel	None

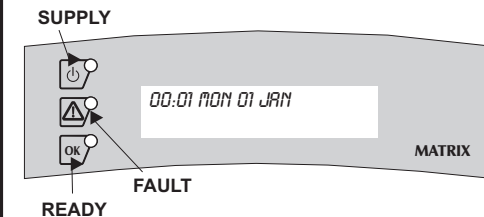
3. KEYPAD INDICATIONS

























LED KEYPAD



-   No AC power supply to panel.
-   Indicates AC / DC power supply to panel.
-   Battery fault
-   No fault on panel.
-   Indicates a system fault.
-   Engineers mode is active.
-   System armed.
-   Indicates the panel is in disarmed mode.
-   Indicates the panel is in user mode.
-   Open one or more zones.
-   All zones are closed and panel is ready to be armed.
-   Flashing ready light indicates the programming function is active.
-   Indicates the panel is disarmed.
-   Indicates the panel is armed.
-   When Alarm is activated the LED will flash and a zone number indicating the zone activated will be displayed on the 7 segment display.

LCD KEYPAD



-   No AC power supply to panel.
-   Indicates AC / DC power supply to panel.
-   Battery fault.
-   No fault on panel.
-   Indicates a system fault.
-   Engineers mode is active.
-   Open one or more zones.
-   All zones are closed and panel is ready to be armed.
-   Flashing ready light indicates the programming function is active.
-   When the panel is in fire alarm the LED will be On and a zone number indicating the zone activated will be displayed on the 7 segment display.
-   When a PA is activated the LED will be On and a zone number indicating the zone activated will be displayed on the 7 segment display.
-   When Tamper alarm is activated the LED will be On and a zone number indicating the zone activated will be displayed on the 7 segment display.

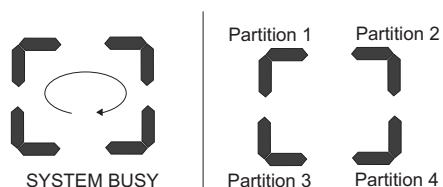
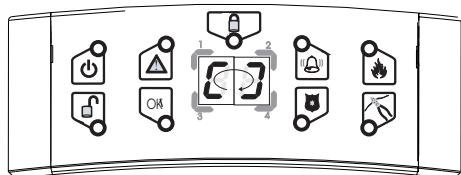
4. GENERAL OVERVIEW OF THE KEYPAD DISPLAY

4.1 PARTITION INDICATIONS

LED KEYPAD



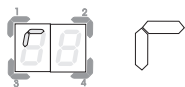
There are two 7 segment displays on the LED keypad, which will display all programming information, including - arming and disarming of the panel, zones activated, event memory log and system faults.



4.1 PARTITION INDICATIONS DISPLAYED ON THE 7 SEGMENT DISPLAY.

If a keypad is allocated as a common keypad for arming / disarming all partitions, The partition status will be displayed on the keypad

Segments On / Off indicate:



Segments Off = PARTITION 1 IS DISARMED



Segments flashing = PARTITION 1 ARMING



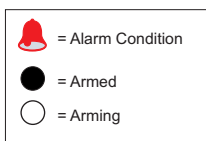
Segments On = PARTITION 1 IS ARMED



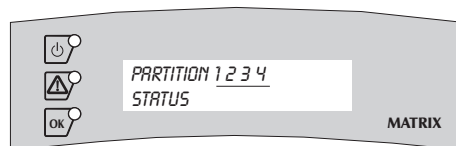
Segments flashing very fast = PARTITION 1 IN ALARM CONDITION

LCD KEYPAD

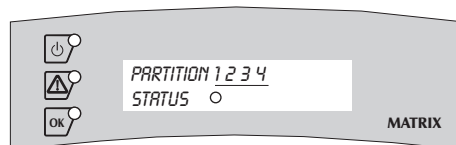
The following status will be displayed for each partition of a common keypad.



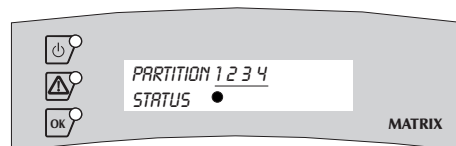
All partitions are disarmed =



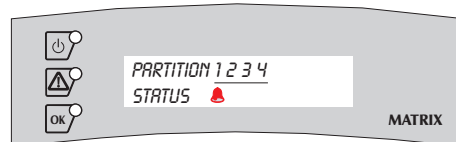
Partition 1 is arming =



Partition 1 is armed =

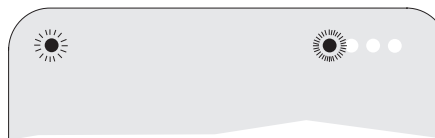


Partition 1 in alarm condition =



13.4 Alarm condition

When an alarm is activated by the control panel the MX PROX reader will emit an alarm tone and status LED 1 will illuminate.



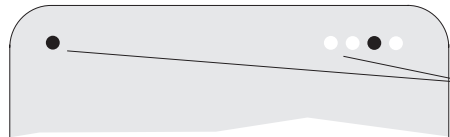
Disarming after an alarm.

If an alarm occurred in a partition after disarm the status LED will flash rapidly. To clear the display and return to disarmed mode repeat the disarm procedure again.

13.3.3 Partition 3

Present a pre-programmed MX PCARD / TAG to the MX PROX reader. The operation LED will turn off and the status LEDs will cycle. (Presenting the MX PCARD for 3 seconds will arm "Partition 3" After waiting one second for status LED 3 to illuminate, remove the card.

Partition 3 will start arming, and a high tone counting the exit time will be emitted.



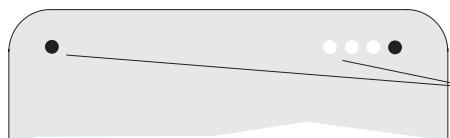
Operation LED & Status LED 3 illuminated = Partition 3 "ARMED"

To disarm Partition 3 present the pre-programmed card again, for 3 seconds. Status LED 3 will switch off indicating - Partition 3 "Disarmed"

13.3.4 Partition 4

Present a pre-programmed MX CARD / TAG to the MX PROX reader. The operation LED will turn off and the status LEDs will cycle. (Presenting the MX PCARD for 4 seconds will arm "Partition 4" After waiting 4 seconds for status LED 4 to illuminate, remove the card.

Partition 4 will start arming, and a high tone counting the exit time will be emitted.



Operation LED & Status LED 4 illuminated = Partition 4 "ARMED"

To disarm Partition 4 present the pre-programmed card again, for 4 seconds. Status LED 4 will switch off indicating - Partition 4 "Disarmed"

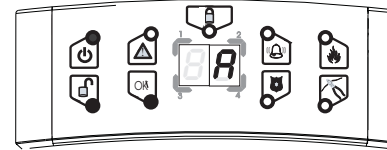


4.2 ARM MODES

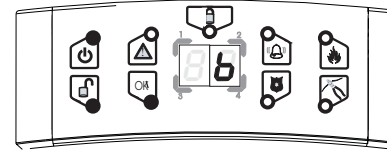
LED KEYPAD

If a keypad is allocated to only one of the four available partitions then the arm mode in which this partition is armed / disarmed will be displayed.

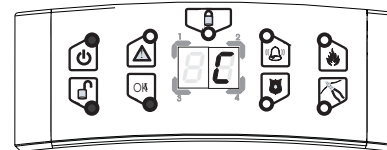
Partition is armed in arm mode A.



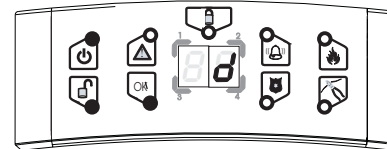
Partition is armed in arm mode B.



Partition is armed in arm mode C.



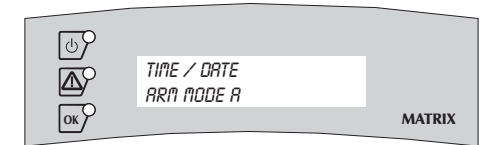
Partition is armed in arm mode D.



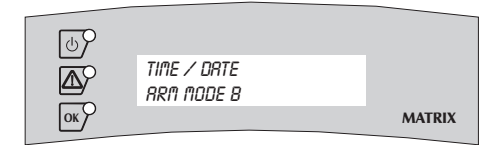
LCD KEYPAD

The following status will be displayed for arm modes A,B,C and D on a single partition keypad.

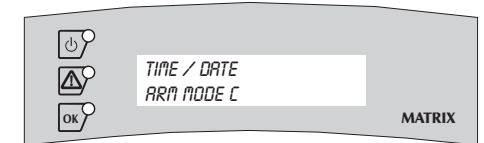
Arm Mode A



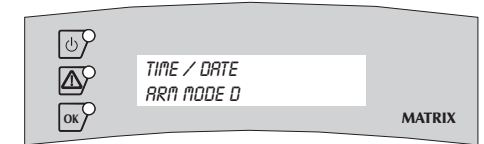
Arm Mode B



Arm Mode C



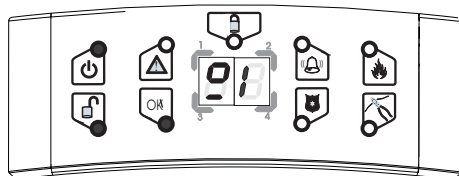
Arm Mode D



4.3 DISPLAYING SYSTEM FAULTS

LED KEYPAD

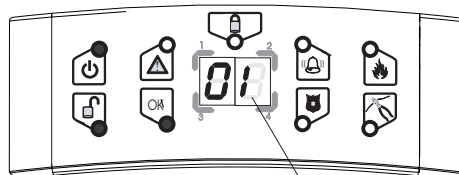
When there is a system failure a system fault is automatically displayed on the 7 segment display as illustrated.



This symbol means system fault and is accompanied by a number from 1 to 8 that indicates the type of fault generated (see event log table for the meaning of the system fault number).

4.4 DISPLAYING OPEN ZONES.

Any zones that are left open will be automatically displayed on the 7 segment display if allowed by the engineer.



Number of the open zones will be indicated from 1 to 32.

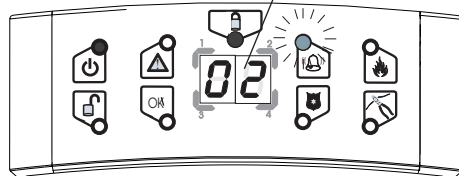
To see if more zones are open,

use the  and  keys

4.5 DISPLAYING FIRST TO ALARM MODE.

After an alarm activation the system can be reset using the user code. After entering the user code the system will enter First to alarm mode - the first zone activated will be displayed on the 7 segment display.

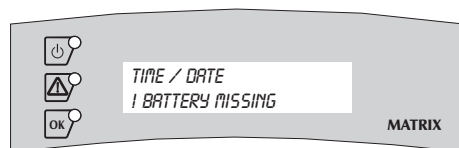
Zone number will be displayed from 1 to 32 and the LED showing type of alarm activation will flash.



To clear the display and return to DISARMED MODE enter the user code again.

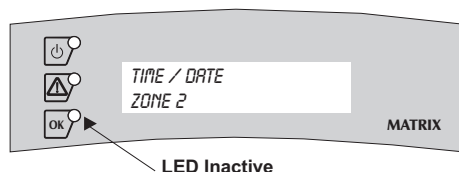
LCD KEYPAD

When there is a system failure a system fault is automatically displayed on the LCD display as illustrated in the example below (Battery Failure).



4.4 DISPLAYING OPEN ZONES.

Any zones that are left open will automatically be displayed on the LCD display if this option is enabled by the engineer.



LED Inactive

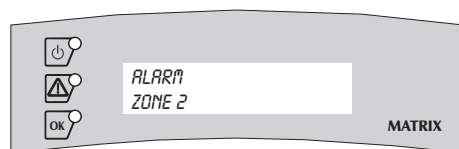
The zone name will be displayed on the bottom line of the

LCD display. To see if more zones are open,

use the  and  keys

4.5 DISPLAYING FIRST TO ALARM MODE.

After an alarm activation the system can be reset by entering a user code. After entering a user code the system will enter First to alarm mode - the first zone name activated will be displayed on the LCD display.



To clear the display and return to DISARMED MODE enter the user code again.

The zone name will be displayed on the bottom line of the LCD display.

13.3 USING MX PCARD ALLOCATED TO MULTIPLE PARTITIONS

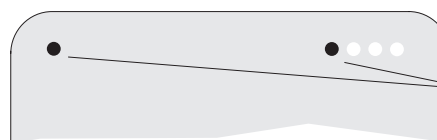
Presenting a pre-programmed MX PCARD to the MX PROX reader allocated to multiple partition will enable partitions 1,2,3 and 4 to be armed or disarmed.

13.3.1 Partition 1

Present a pre-programmed MX CARD / TAG to the MX PROX reader. The operation LED will turn off and the status LEDs will cycle. (Presenting the MX PCARD for 1 second will arm "Partition 1" After waiting 1 second for status LED 1 to illuminate, remove the card.



Partition 1 will start arming, and a high tone counting the exit time will be emitted.



Operation LED & Status LED 1 illuminated = Partition 1 "ARMED"

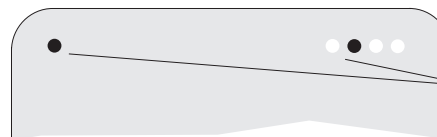
To disarm Partition 1 present the pre-programmed card again, for 1 second, and remove the card. Status LED 1 will switch off indicating - Partition 1 "Disarmed"

13.3.2 Partition 2

Present a pre-programmed MX CARD / TAG to the MX PROX reader. The operation LED will turn off and the status LEDs will cycle. (Presenting the MX PCARD for 2 seconds will arm "Partition 2" After waiting 2 seconds for status LED 2 to illuminate, remove the card.



Partition 2 will start arming, and a high tone counting the exit time will be emitted.



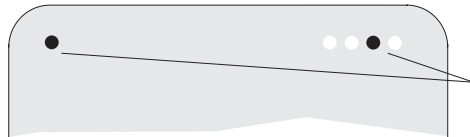
Operation LED & Status LED 2 illuminated = Partition 2 "ARMED"

To disarm Partition 2 present the pre-programmed card again, for 2 seconds. Status LED 1 will switch off indicating - Partition 2 "Disarmed"

13.2.3 Arm mode C

Present a pre-programmed MX CARD / TAG to the MX PROX reader. The operation LED will turn off and the status LEDs will cycle. (Presenting the MX PCARD for 3 seconds will arm "Arm mode C" After waiting one second for status LED 3 to illuminate, remove the card.

The partition will start arming in arm mode C and a high tone counting the exit time will be emitted



Operation LED & Status LED 3 illuminated = Arm mode C "ARMED"

To disarm Arm mode A present the pre-programmed card again, for 1 second, and remove the card Status LED 3 will switch off indicating - Arm mode C "Disarmed"

13.2.4 Arm mode D

Present a pre-programmed MX PCARD / TAG to the MX PROX reader. The operation LED will turn off and the status LEDs will cycle. (Presenting the MX PCARD for 4 seconds will arm "Arm mode D" After waiting 4 seconds for status LED 4 to illuminate, remove the card.

The partition will start arming in arm mode D and a high tone counting the exit time will be emitted.



Operation LED & Status LED 4 illuminated = Arm mode D "ARMED"

To disarm Arm mode A present the pre-programmed card again, for 1 second, and remove the card. Status LED 4 will switch off indicating - Arm mode D "Disarmed"



5. ARMED / DISARMED MODES USING LED KEYPAD

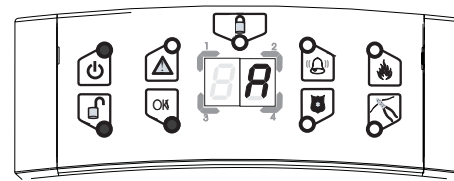
5.1 ARMING SINGLE PARTITION WITH KEYPAD ALLOCATED TO THIS PARTITION.

NOTE: Before arming the panel all open zones must be closed.

There are 2 ways for the user to identify which zones are open during arming. This depends on the way the engineer configures the system.

5.1.1 Arming when the option "Display open zones in day" is enabled by the engineer.

- The lowest open zone Number will be displayed on the 7 segment display when activated.
- To check if there are more open zones use the buttons.
- If all zones are closed the Ready LED will be illuminated.
- When the Ready LED is On Enter your personal user code (XXXX,X,X) to arm the panel



The partition will start arming in Arm mode A and high tone counting the exit tone will be emitted from the keypad.

(The default user code is 1234)

- If a different ARM Mode is desired press or or or .

5.1.2 Arming when the option "Display open zones in disarm" is disabled by the engineer. Enter your personal user code [XXXX,XX]

- The highest open zone No will be displayed on the 7 segment display after starting the arming procedure. A low error tone will inform you that the displayed zone is open. Close the zone to continue arming the system.

- If a different ARM Mode is desired enter or or or .

5.2 DISPLAYING THE STATUS OF THE SYSTEM WHEN THE PARTITION IS ARMED.

- Once the partition is armed there are 2 ways of displaying the status of the system on the keypad This depends on the way the engineer has programmed the keypad:

5.2.1 Common Display.

- Once the partition is armed the LED will be displayed. Arm mode (A, B, C or D) will show which partition is armed and display it on the 7 segment display.. The LED will be Off.

5.2.2 Private Display.

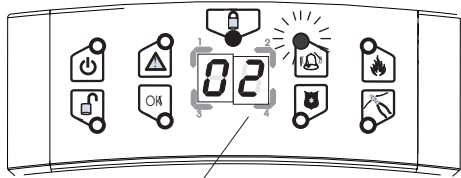
- During the arming time the above indications will be displayed in the same way as shown in "5.2.1" but once the partition is armed the A, B, C or D will turn off..

5.3 DISARMING SINGLE PARTITION WITH KEYPAD ALLOCATED TO THE PARTITION.

5.3.1 Disarming the system in normal condition.

To disarm the partition enter your personal user code (XXXX,X,X) (The default code is 1234).

5.3.2 Disarming the system after alarm condition when “Display zones in alarm” is disabled by the engineer.



In each first to alarm activation the zone number will be displayed with the LED for the type of alarm activation flashing as illustrated.

Alarm indication may be Intruder, Fire, PA or Tamper Alarm

Zone number is displayed from 01 to 32



After an alarm condition proceed with the following procedure:

To disarm the partition after an alarm condition enter your personal user code (XXXX,X,X). The first zone activation in an alarm condition will be shown on the 7 segment display. The first zone activation may be an Alarm (from a open zone), Fire, PA, or Tamper condition.

To clear the display and return to disarmed mode enter the user code again.

5.3.3 Disarming the system after alarm condition when “Display open zones in alarm” is enabled by the engineer.

After an alarm the last zone in alarm will be shown on the 7 segment display. Using the

Up / Down   arrow buttons at this point will display all activated zones for this alarm period. Any zones remaining open will flash.

To disarm the partition after an alarm condition enter your personal user code (XXXX,X,X). The first zone activation in an alarm condition will be shown on the 7 segment display. The first zone activation may be an Alarm (from a open zone), Fire, PA, or Tamper condition.

To clear the display and return to disarmed mode enter the user code again.

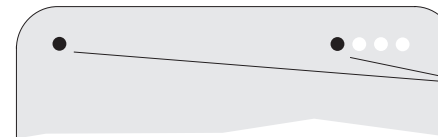
13.2 USING MX PCARD ALLOCATED TO ONE PARTITION.

Presenting a pre-programmed MX PCARD to the MX PROX reader allocated to one partition will enable arm modes A,B,C and D to be armed or disarmed.

13.2.1 Arm mode A

Present a pre-programmed MX PCARD / TAG to the MX PROX reader. The operation LED will turn off and the status LEDs will cycle. (Presenting the MX PCARD for 1 second will arm “Arm mode A” After waiting one second for status LED 1 to illuminate, remove the card.

The partition will start arming in arm mode A and a high tone counting the exit time will be emitted.



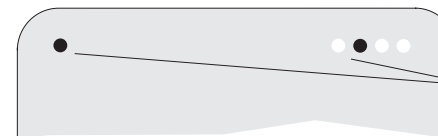
Operation LED & Status LED 1 illuminated = Arm mode A “ARMED”

To disarm Arm mode A present the pre-programmed card again, for 1 second. Status LED 1 will switch off indicating - Arm mode A “Disarmed”

13.2.2 Arm mode B

Present a pre-programmed MX PCARD / TAG to the MX PROX reader. The operation LED will turn off and the status LEDs will cycle. (Presenting the MX PCARD for 2 seconds will arm “Arm mode B”) After waiting for two seconds for status LED 2 to illuminate, remove the card.

The partition will start arming in arm mode B and a high tone counting the exit time will be emitted.



Operation LED & Status LED 2 illuminated = Arm mode B “ARMED”

To disarm Arm mode B present the pre-programmed card again, for 1 second, and remove the card. Status LED 2 will switch off indicating - Arm mode B “Disarmed”

13. PROXIMITY READER (MX PROX)

13.1 MX PROX FUNCTIONALITY (NORMAL MODE)

The MX PROX reader is a unique card reader designed to work with the complete range of matrix panels.

By presenting a pre-programmed MX PCARD / MX TAG to the MX PROX reader the MX PROX reader will Arm or Disarm the matrix panel in the same way as entering an allocated user code from an LCD keypad..

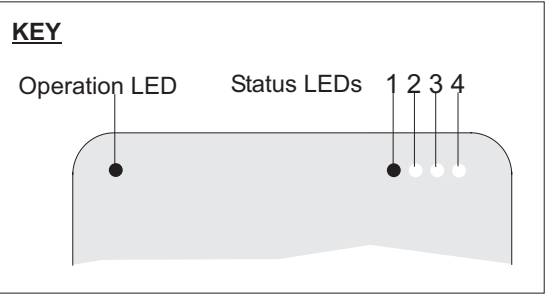
Note: MX PCARDS and MX TAGS must be allocated user codes, which have been programmed into the Matrix panel.

Modes of operation

Matrix mode: In normal mode the proximity reader is connected directly to the matrix panel. (Wiring diagram is shown in installation guide)

Operation of the MX PROX depends on how the MX PCARDS and MX TAGS are programmed.

1. If the MX PCARD or TAGS presented to the MX PROX reader have access to only one partition then the status LEDs will represent Arm modes A,B,C and D.
2. If the MX PCARD or TAGS presented to the MX PROX reader have access to multiple partitions then the status LEDs will represent partitions 1,2,3 and 4.



5.4 ARMING THE SYSTEM FROM KEYPAD IN MULTIPLE PARTITION.

NOTE: Before arming the panel all open zones must be closed.

There are 2 ways for the user to identify which zones are open during arming that depend on the way the engineer sets the system up.





5.4.1 Arming when the option “Display open zones in disarm” is enabled by the engineer.


The highest open zone Number will be displayed on the 7 segment display when activated.

To check if there are more open zones use the   buttons.

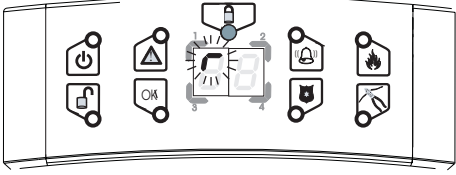
If all zones are closed the Ready LED  will be disabled.

When the Ready LED is On to arm the partition first enter your personal user code (XXXX,X,X).

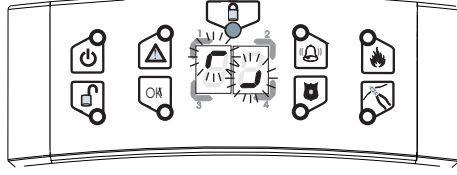
Once the user code has been entered select the partition/s to be armed by entering the appropriate numeric button on the keypad    .

The 2 segments indicating the partition to arm will turn On as selected. Select all partitions needed to arm and then press  to confirm.

Arming will be confirmed by a high tone emitted from the keypad.







Arming partition 1.




Arming partition 1 and partition 2.

5.4.2 Arming when the option “Display open zones in disarm” is disabled by the engineer.

The lowest open zone number will be displayed on the 7 segment display after starting the arming procedure. A low error tone will inform you that the displayed zone is open. Close the zone to continue to arm the system.

Once the user code has been entered select the partition/s to be armed by entering the appropriate numeric button on the keypad    .



The 2 segments indicating the partition to arm will turn On as selected. Select all partitions needed to arm and then press  to confirm.

The arming will be confirmed by high tone emitted from the keypad.

5.5 DISPLAYING THE STATUS OF THE SYSTEM WHEN THE PARTITION IS ARMED.

Once a partition is armed there are 2 ways of displaying the status of the system on the keypad depending on the way the engineer has programmed the keypad:

5.5.1 Common Display.






Once a partition is armed the  LED will be displayed, partition 1, 2, 3 or 4 in which the system is armed will be displayed on the 7 segment display and the  LED will be Off.

5.5.2 Private Display.






During arming time the above indications will be displayed in the same way as shown in “5.5.1” but once the partition is armed they will turn Off.

5.6 DISARMING THE PANEL IN MULTIPLE PARTITION.


5.6.1 Disarming the system in normal condition.

To disarm the panel enter your personal user code (XXXX,X,X). The partitions that are currently armed will be displayed. Select the partition number to be disarmed from     followed by  to confirm disarming.

5.6.2 Disarming the system after alarm condition when “Display zones in alarm” disabled by the engineer.


After an alarm condition proceed with the following procedure:
To disarm the panel enter your personal user code (XXXX,X,X). The partitions that are currently armed will be displayed. Select the partition number to be disarmed from     followed by  to confirm.

If you choose to disarm the partition in alarm the first zone activation in an alarm condition will be shown on the 7 segment display. The first zone activation may be an Alarm (from a open zone), Fire, PA, Medical or Tamper condition.

To clear the display and return to disarmed mode enter the user code again. Followed by the partition to disarm, and  to confirm.

5.6.3 Disarming the system after alarm condition when “Display open zones in alarm” is enabled by the engineer.

After an alarm condition proceed with the following procedure.

When the alarm condition is activated the last zone to alarm is displayed on the seven segment display.
Enter the user code (XXXX,X,X).
The next display will show the state of all the partitions. (The partition in alarm will flash rapidly)
Choose a partition and enter  to confirm.

12.1 ZONE TABLE PART 2

Zone name	Zone number	Zone type				Location	Partition name	Partition number
		A	B	C	D			
	17							
	18							
	19							
	20							
	21							
	22							
	23							
	24							
	25							
	26							
	27							
	28							
	29							
	30							
	31							
	32							


12. ZONE PARTITION INDICATION TABLE

Zone name	Zone number	Zone type				Location	Partition name	Partition number
		A	B	C	D			
	1							
	2							
	3							
	4							
	5							
	6							
	7							
	8							
	9							
	10							
	11							
	12							
	13							
	14							
	15							
	16							

If you choose to disarm the partition in alarm the display will now show the first zone to alarm

Enter the user code (XXXX,X,X).

The next display will show all partitions ready for disarming.

Choose a partition to disarm and enter 

The partition chosen will then be disarmed.

6. ARMED / DISARMED MODES FROM THE LCD KEYPAD



6.1 ARMING SINGLE PARTITION WITH KEYPAD ALLOCATED TO THIS PARTITION.


NOTE: Before arming the panel all open zones must be closed.

There are 2 ways for the user to identify which zones are open during arming. This depends on the way the engineer has configured the system.

6.1.1 Arming when the option “Display open zones in disarmed” is enabled by the engineer.

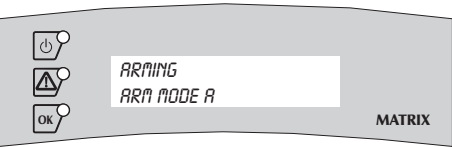
The lowest open zone name will be displayed on the LCD display when activated.

To check if there are more open zones use the   buttons.

If all the zones are closed the Ready LED  will illuminate.

When the Ready LED is on, Enter your personal user code (XXXX,X,X) to arm the panel

The default master user code is 1234.



The partition will start arming in Arm mode A and a high tone counting the exit time will be emitted from the keypad.

If a different ARM Mode is desired press   or  or  or  to select arm mode A,B,C or D respectively.

6.1.2 Arming when the option “Display open zones in disarm” is disabled by the engineer.

Enter your personal user code (XXXXXX) to arm the panel

The lowest open zone No will be displayed on the LCD display after starting the arming procedure. A low error tone will inform you that the displayed zone is open. Close the zone or zones to continue arming the system.

If a different ARM Mode is desired press   or  or  or .

6.2 DISPLAYING THE STATUS OF THE SYSTEM WHEN THE PARTITION IS ARMED.

Once the partition is armed there are 2 ways of displaying the status of the system on the keypad depending on the way the engineer has programmed the keypad:

6.2.1 Common Display.


Once the partition is armed, arm mode A, B, C or D will be displayed on the LCD display indicating what mode the panel is armed in

6.2.2 Private Display.


During the arming time the above indications will be displayed in the same way as shown in “6.2.1” but once the partition is armed these indications will be removed and replaced with the default armed mode message.

11.1 Programmable zone types LED


LCD

 = Entry / Exit

Entry / Exit

 = Access


Access

 = Immediate

Immediate

 = Omitted (Bypassed)


Omit

 = Fire


Fire

 = Personal Attack


Personal Attack

 = 24 Hour zone

24 Hour

 = Tamper


Tamper

 = Latchkey

Latched Key

 = Momentary keyswitch

Momentary Keyswitch

 = Unused

Unused

 = Medical zone

Medical zone

11. MATRIX PROGRAMMING ZONE TYPES

Programmable zone types LCD.

E = Entry / Exit

This is a zone that allows limited-time access to the premises in order to arm or disarm the system.

A = Access

This is a zone, which on arming the panel, allows access to the Entry / Exit zone. However. If the panel is armed and an Access zone is triggered before an Entry / Exit zone then an alarm will be generated immediately.

I = Immediate

This is a zone, which will when entered, create an instant alarm when the panel is armed.

O = Omitted (Bypassed)

A zone programmed as an Omitted zone by the engineer, will be ignored by the panel. It allows the user to continue to use the alarm system even if a fault has been discovered on one or more zones.

F = Fire

Triggering of the fire zone will always cause an alarm activation regardless of whether or not the panel is armed. A fire alarm is identified by a three note - rising sound, which is easily distinguished from all other tones. The external sounder will operate at 1 second intervals.

P = Personal Attack

Triggering of the personal attack (P.A.) Zone will always cause an alarm activation regardless of whether or not the panel is armed. The P.A. Zone may be programmed as silent. A silent P.A. Activation will not cause the bell or strobe to operate, but the central station will be informed of a P.A. Activation. One of the programmable outputs will operate if the system has been programmed to do so.

H = 24 Hour zone

Triggering of a 24hour zone will always cause an alarm activation regardless of whether or not the panel is armed. (Fire, Personal attack and Tamper are all 24 hour zones)

T = Tamper

Triggering of the tamper zone will always cause an alarm activation regardless of whether or not the panel is armed.

D = Latchkey

It is possible by using this type of zone to arm / disarm the system in any set mode by using an external latched switch.

Y = Momentary Keyswitch

It is possible by using this type of zone to arm / disarm the system in any set mode by using an external pulsed switch.

U = Unused

This zone is ignored by the system.

M = Medical zone

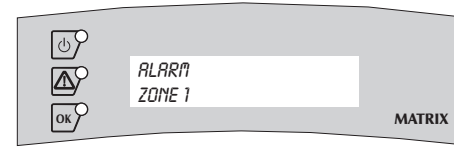
The medical zone will send a emergency message to the central receiving station, or emergency services.

6.3 DISARMING SINGLE PARTITION WITH KEYPAD ALLOCATED TO THE PARTITION.

6.3.1 Disarming the system in normal condition.

To disarm the partition enter your personal user code (XXXX,X,X) (The default code is 1234).

6.3.2 Disarming the system after alarm condition when "Display zones in alarm" is disabled by the engineer.



In each first to alarm activation the zone name will be displayed on the LCD display.

Alarm indication may be Alarm, Fire, PA, Medical or Tamper

The zone name is displayed



After an alarm condition proceed with the following procedure:

To disarm the partition after an alarm condition enter your personal user code (XXXX,X,X). The first zone activation in an alarm condition will be shown on the LCD display. The first zone activation may be an Alarm (from a open zone), Fire, PA, Medical or Tamper condition.

To clear the display and return to disarmed mode enter the user code again.

6.3.3 Disarming the system after alarm condition when "Display open zones in alarm" is enabled by the engineer.

After an alarm the last zone in alarm will be shown on the LCD display. Use the

Up / Down   arrow buttons at this point to display all activated zones for this alarm period. Any zones remaining open will be displayed after a ! symbol

To disarm the partition after an alarm condition enter your personal user code (XXXX,X,X). The first zone activation in an alarm condition will be shown on the LCD display. The first zone activation may be an Alarm (from a open zone), Fire, PA, Medical or Tamper condition.

To clear the display and return to disarmed mode enter the user code again.



6.4 ARMING THE SYSTEM FROM KEYPAD IN MULTIPLE PARTITION.


NOTE: Before arming the panel all open zones must be closed.

There are 2 ways for the user to identify which zones are open during arming that depend on the way the engineer sets the system up.

6.4.1 Arming when the option “Display open zones in disarm” is enabled by the engineer.





The lowest open zone name will be displayed on the LCD display when activated.

To check if there are more open zones use the   buttons.


If all zones are closed the Ready LED  will illuminate.

When the Ready LED is On to arm the partition first enter your personal user code (XXXX,X,X).

Once the user code has been entered select the partition/s to be armed by entering the

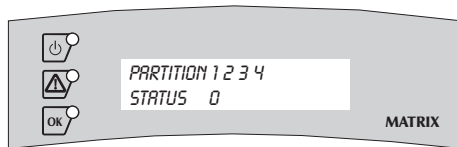
appropriate numeric button on the keypad    

The LCD display will indicate the partition to arm with an “○” symbol

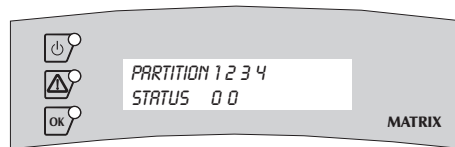
Select all partitions needed to arm and then press  to confirm.

Arming will be confirmed by a high tone emitted from the keypad.

Armed partitions are identified by a “●” symbol



Arming partition 1.








Arming partition 1 and partition 2.

6.4.2 Arming when the option “Display open zones in disarm” is disabled by the engineer.

The lowest open zone number will be displayed on the LCD display after starting the arming procedure. A low error tone will inform you that the displayed zone is open. Close the zone to continue to arm the system.

Once the user code has been entered select the partition/s to be armed by entering the

appropriate numeric button on the keypad    

Select all partitions needed to arm and then press  to confirm.

The arming will be confirmed by high tone emitted from the keypad.

10.9 ACTIVATING PGM FROM KEYPAD

LED KEYPAD



Enter

This will switch the programmable output on and then off after 5 seconds (if enabled by the engineer)

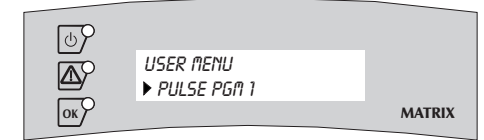
This may be required to reset certain types of sensor after activation.


LCD KEYPAD

To open the pulse PGM scroll through the main user menu to Pulse PGM X, where X is the keypad number.

Note: This text is programmable. It may not say PULSE PGM X.

The following display will be shown-



Enter  to activate this option, an acceptance tone will be heard and you will automatically be returned to the main user menu.

10.10 UPLOAD / DOWNLOAD ONE HR TIME WINDOW



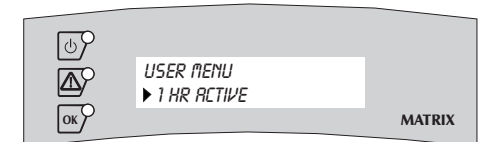
-Enter


For 1 hour the panel will answer one incoming telephone call on the first ring.

This may be required in order for an engineer to commence a remote connection with your Matrix panel.

To open a one hour window scroll through the main user menu to 1HR Active

The following display will be shown-



Enter  to activate this option, an acceptance tone will be heard and you will automatically be returned to the main user menu.

10.8 ADDING OR REMOVING PROXIMITY CARDS

LED KEYPAD

Note: For a user to add proximity cards to the system the installer must first configure user codes

ADDING PROXIMITY CARDS

To add a proximity card enter   



Followed by a two digit user code you wish to associate with the card (01 to 32)

or use the  and  keys to list the users allocated to your partition.




Then press   

An acceptance tone will be heard.

If a low error tone is heard the card is already programmed into the system else where.


Present another card or press   to leave user mode and retry.


REMOVING PROXIMITY CARDS

To remove a Proximity card enter   

Followed by a two digit user code you wish to associate with the card (01 to 32)

or use the  and  keys to list the users allocated to your partition.

Then press 

To delete the card press the  key.


LCD KEYPAD

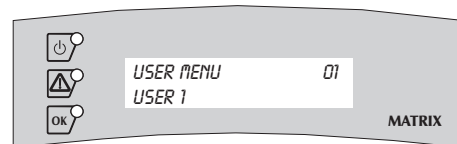
To change the proximity card allocation scroll through the main user menu to the



proximity cards menu option

The following display will be shown-



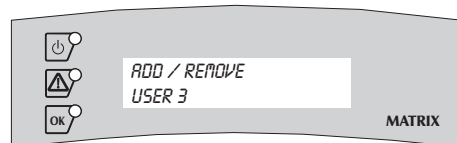
Enter  to select this option, the following display will be shown




Use the  and  arrow keys to select the user code to allocate the proximity card to, or to remove a proximity card from.

Enter 

The following screen will be displayed-



Note: Pressing the  key at this time exits this function and returns you to the user menu.

Enter  Key to remove the card from the selected user, you will be returned to the main user menu.

To add a card to a user present the MXPCARD to the proximity reader. The keypad will sound an acceptance tone if the process was successful.

An error tone will sound if the process failed, and you will return to the main menu.

6.5 DISPLAYING THE STATUS OF THE SYSTEM WHEN THE PARTITION IS ARMED.

Once a partition is armed there are 2 ways of displaying the status of the system on the keypad depending how the keypad has been programmed by the engineer.:

6.5.1 Common Display.

Once a partition is armed the “●” symbol is used to indicate which partition is armed

6.5.2 Private Display.

During arming time the above indications will be displayed in the same way as shown in “6.5.1” but once the partition is armed they will turn Off.

6.6 DISARMING THE PANEL IN MULTIPLE PARTITION.


6.6.1 Disarming the system in normal condition.

To disarm the panel enter your personal user code (XXXX,XX)






The partitions that are currently armed will be displayed, Select the partition number to disarm


followed by the  key to confirm.


6.6.2 Disarming the system after an alarm condition when “Display open zones in alarm” is disabled by the engineer.

1. After an alarm condition the partition in alarm will be indicated with the  bell symbol, along with any other armed partitions.

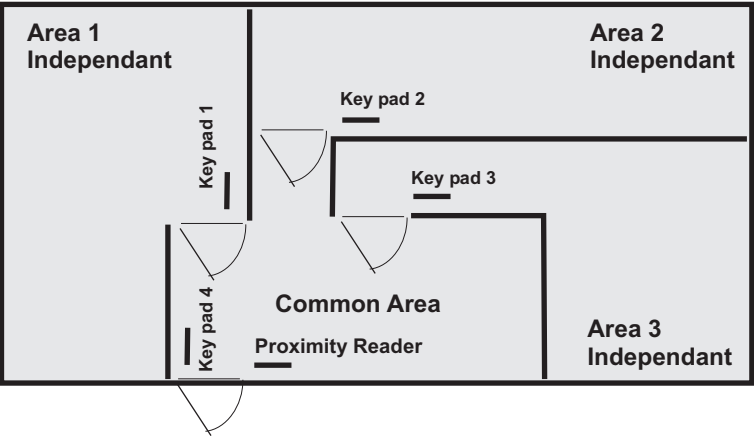
2. Enter your personal user code (XXXX,XX) and press  to confirm.

3. To disarm any partition **NOT** in alarm select the partition to disarm     and press  to confirm

4. To disarm any partition that **IS** in alarm select the partition to disarm and press  to display the zone in alarm. The zone name will be displayed on the bottom line of the display and the zone activation type, Alarm, Fire, PA, Medical or Tamper condition, will be displayed on the top line of the display.

5. To disarm the panel enter your personal user code (XXXX,XX) again, select the partition to disarm and press  to confirm

Example of partition dependency



LED KEYPAD

To adjust the proximity reader volume
enter
Followed by to for the proximity reader to
be adjusted
Use the and arrow keys to change the volume
to the desired setting
Press the key
The new setting will be saved

LCD KEYPAD


To change the proximity volume scroll through the main
user menu to the proximity volume menu option
The following display will be shown -

Enter to select this option,
The following display will be shown -

Enter a number 1 to 4 to select proximity reader.
If the reader cannot be found an error tone sounds and
you will be returned to the main user menu.
The following display will be shown -

Use the and keys to select the required
volume
The following display will be shown indicating the volume
level -

Enter to save the new volume level
An acceptance tone will be heard, and you will return to
the main menu.

To end this function and return to the main user menu, press the  key



To edit more user names select a new user using the  to  keys.

Table 1

1 =	A	B	C	1	À	Á	Â	Ã	Ä	Å	Æ	Ç	Ɔ	Ɛ	Ɛ	Ɛ	b	bl
2 =	D	E	F	2	È	É	Ê	Ë	Ɔ	Ɔ	Ɔ	#1						
3 =	G	H	I	3	Ì	Í	Î	Ï	#2	#3								
4 =	J	K	L	4	Ɔ	Ɔ	Ɔ	Ɔ	#4									
5 =	M	N	O	5	Ñ	Ò	Ó	Ô	Õ	Ö	#5							
6 =	P	Q	R	6	Ɔ	Ɔ	Ɔ	Ɔ	R									
7 =	S	T	U	7	R	Ù	Ú	Û	Ü	b	#6							
8 =	V	W	X	8	Ɔ	Ɔ	Ɔ	Ɔ	Ɔ									
9 =	Y	Z	9	Ɔ	Ɔ	Ɔ	Ɔ	Ɔ	#7	#8								
Ø =		Ø	Ɔ	!														

Note: - # 1 to 8 are Special characters that may change depending on the language selected.

10.6.1 Temporary language setting.

In Day mode the numerical numbers  to  may be used to change the language

setting of the keypad until idle for 2 minutes.

Pressing the numerical numbers 1 to 8 will temporarily change the language setting to one of the languages supported in that keypad.

Changing the default language setting is an Engineer operation, which should be carried out by the installer.

Special characters

	ENGLISH	SPANISH	ITALIAN	FRENCH	PORTUGUESE	RUSSIAN	POLISH	BULGARIAN
#1	È							
#2	Ë							
#3	Ĉ							
#4	Ł							
#5	Ń							
#6	Ś							
#7	Ż							
#8	Ż							

6.8 DURESS ARMING / DISARMING THE PANEL



There are two methods of duress code entry

1. Reverse the third and fourth digits of your user code
2. Enter the duress code allocated by the Master user or engineer

Both of these options may be enabled or disabled by the engineer or master user
The panel will act as normal but a duress code will be sent to the central receiving station

This option is useful if an intruder forces somebody to disarm their panel, as the duress disarming will send a emergency message to the central Receiving Station.

6.9 DISPLAYING OPEN ZONES

To view open zones at any point during day mode press the   arrow key.

If enabled by the engineer, all activated zones can also be viewed while the panel is armed, if the zone is currently open the number will flash on the LED keypad. The LCD keypad will shown the open zone name preceded by a '!' symbol.

6.10 FAULT TONES

To silence fault tones, which occur while a fault is present, press the  key


7. FUNCTIONS AVAILABLE FROM ALL MODES - LED & LCD KEYPAD

7.1 ACTIVATING FIRE ALARM

- To activate the Fire Alarm hold down the  button for 2 seconds.

The Fire alarm activates internal and external sirens. Three rising tones will be heard, a message will be sent to the central monitoring station, and the corresponding PGM output will also be triggered.

7.2 ACTIVATING PERSONAL ATTACK

- To activate Personal Attack hold down the  button for 2 seconds.

The PA alarm can be silent or audible depending on how the system is programmed by your engineer. If audible the internal and external sirens will be activated after pressing the button. If silent a PA alarm message will be sent to the CMS by the telephone line and PGM will be triggered, but no audible alarm will be activated.

7.3 ACTIVATING MEDICAL ALARM

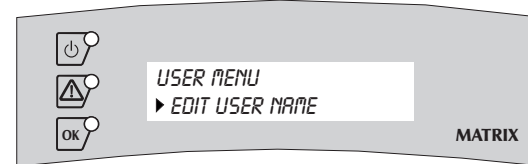
- To activate the medical key hold down the  button for 2 seconds


The Medical alarm will activate the internal and external sirens. A high frequency repeated tone will be emitted. A medical alarm message will be sent to the CMS by the telephone line and the corresponding PGM output will also be triggered.

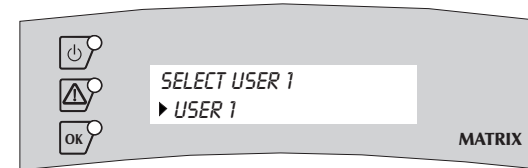
10.6 EDIT USER NAME - LCD KEYPAD

To change the user name scroll through the main user menu to the edit user name menu option


The following screen will be shown-

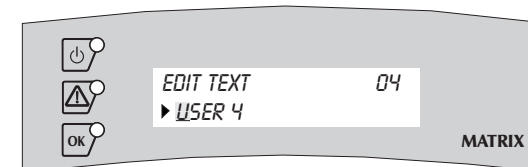


Enter  to select this option.



Use the  or  keys to select the user required

Enter  to select the user name to edit. The following display will be shown with a flashing cursor at the start of the user name




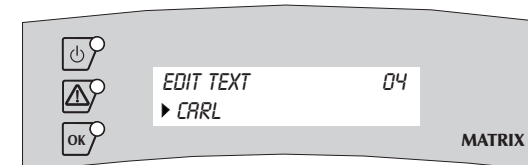
Use the  and  arrow keys to move the cursor position.

Use the 9 - 0 keys to enter new text.

Note: Each key has text associated with it as described in table 1 - page38.

Pressing a key a number of times accesses the next character allocated to that key.

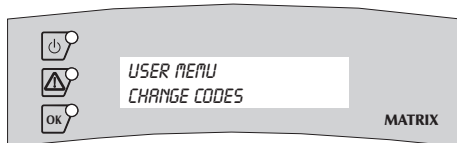
Enter  the new text will be saved and displayed on the LCD display



10.5 CHANGE USER CODES - LCD KEYPAD

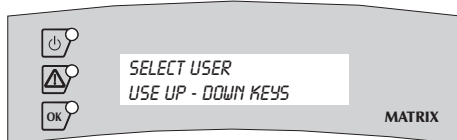
To change user codes only scroll through the main user menu to the change codes menu option

The following screen will be shown -



Enter to select this option

The following display will be shown

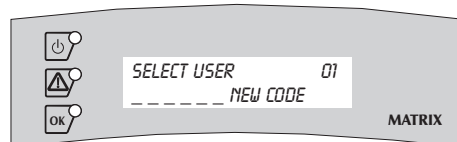


Use the or keys to select the user code required

The user code will be displayed on the top of the right hand side of the display.
The user name will be displayed on the bottom line of the display

Enter to select the user to change codes for

The following display will be shown-



Enter the new code (followed by the if less than 6 digits)

The following display will be shown again-



Enter the new code again (followed by the if less than 6 digits)

A acceptance tone will be heard and you will return to main menu

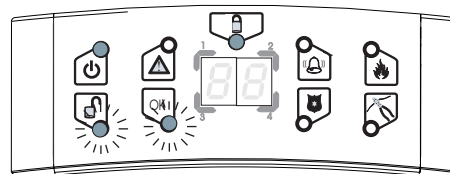
8. USER MODE

8.1 ENTERING USER MODE

LED KEYPAD

All User functions are accessible from User mode:

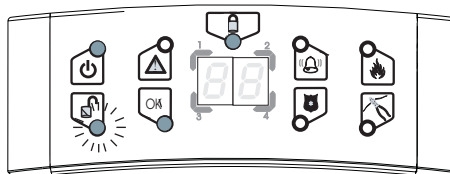
1. While in user mode the disarmed LED will flash
2. While a function is active the ready LED will flash.



- To enter User mode press once and enter a valid user code XXXX (X,X).

(The factory default User code 1 is set to - 1234)

An acceptance tone will be heard and the disarmed light will begin to flash.



NOTE: In user mode timeout timer operates. If you enter user mode and use no functions after 2 minutes the panel will automatically come out of user mode.

8.2 EXITING USER MODE.

To exit the User mode, press , the disarmed LED will stop flashing.

LCD KEYPAD

All User functions are accessible from User mode:

To enter User mode press once and a message prompting you to enter your user code, is displayed. Entering a valid user code XXXX (X,X) will open the user menu.

If you do not wish to enter the user menu, press the key again instead. Pressing this key multiple times, toggles entry to the user menu.

Note: The factory default User is set to - 1234

An acceptance tone will be heard and the following display will be shown-



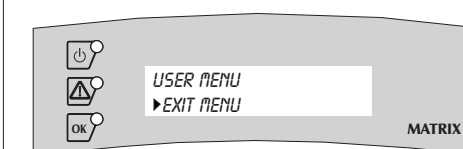
NOTE: If you enter user mode and use no functions, the panel will automatically time out after 2 mins and exit the user menu.

8.2 EXITING USER MODE.

There are two methods of exiting user mode:

1. Scroll to the end of the main user menu using the key.

The following screen will be displayed -



Enter to exit user menu

2. Whilst in user menu hold the key down for 2 seconds, which automatically exits user mode. However this does not work whilst you are inside a user function.

9. LIMITED USER MODE

9.1 OMITTING ZONES

LED KEYPAD

- To arm the panel with omitting zones enter-



---Underscores will be displayed on both 7 -segment displays---

- Then enter a two digit number for the zone number to omit e.g




(If a mistake was made, two more digits may be entered)


- Enter  to confirm the omitting of the zone,

an acceptance tone will be heard if the zone is valid.

---Repeat the same operation until all desired zones have been omitted---

-If you do not wish to arm the panel, press  a second time.


---Any omitted zones will be re-instated---

- Press  then one of the arm modes level A, B, C or D

The panel will then commence arming.

NOTE: Please consult paragraph 5 for the arming procedure in different system modes.

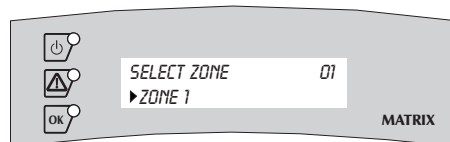
LCD KEYPAD

After entering  followed by the user code (XXXX,XX) The first menu option shown is **Arm with Omits**.





Enter  to select this menu option.

The following display will be shown -

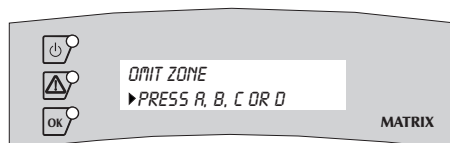


Use the  and  keys to scroll through the zones to be omitted and press  to omit the zone.

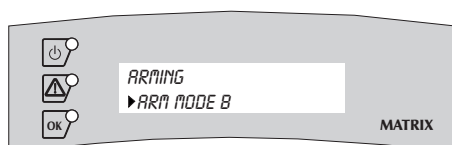
Enter the required zone number and press  to confirm selection.

After all zones have been omitted press the  key


The following display will be shown -



Enter    or  to select the arm mode.



A single partition will start arming in the Arm mode, which has been chosen (for example below, Arm mode B) The display will then show Matrix armed in Arm Mode- (Single partition keypad only)

A Multiple partition keypad will ask you for a partition number to arm. Select partition and press  to confirm

Edit User Code (Continued)

The following display will be shown for **USER CODE MAXIMUM USE COUNTER OPTIONS**



Enter a two digit number for the desired maximum use counter allocation

Enter  to accept changes and return to main menu

User code maximum use counter options are as follows -

00 = unlimited User Code

(This code may be used an unlimited number of times. Additionally each time an unlimited code is used, all the limited user code counters are refreshed, this is the factory default for all users)

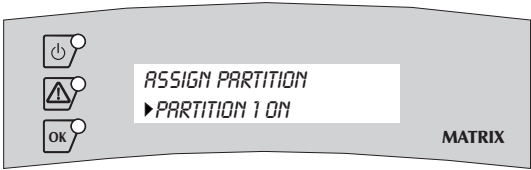
01 = One use only code

(This code is deleted after been used once for either arm or disarm. This code would generally be used to give to a deliver person who will only use the code once)

02 - 99

(A number between 2 - 99 represents the amount of times a user code may be used between uses of a unlimited code)

The following display will now be shown for **ASSIGN PARTITION**



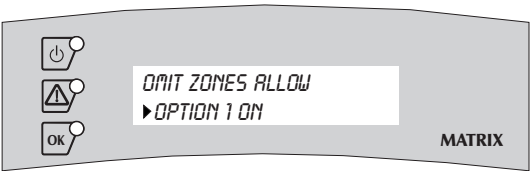
Use the or keys to select a partition number

Press the key to switch each partition on or off for this user code.

Partition	OFF	ON	FACTORY DEFAULT
1	Not assigned to partition 1	Assigned to partition 1	On
2	Not assigned to partition 2	Assigned to partition 2	On
3	Not assigned to partition 3	Assigned to partition 3	On
4	Not assigned to partition 4	Assigned to partition 4	On

Enter to confirm partition assignments

The following display will now be shown for selecting the **USER ATTRIBUTES**



Use the and keys to select options, the top line of the display will show the option

Press the key to switch each option on or off for this user code

Option NO	OFF	ON (LCD display text)	FACTORY DEFAULT
1	Omit zones not allowed	Omit zones allow	On
2	Normal user code	Duress only code	Off
3	Duress disabled on user code	Duress enabled	On
4	Arm disallowed	Arm allowed	On
5	Disarm allowed	Disarm allowed	On
6	Spare	Spare	Off
7	Spare	Spare	Off
8	Limited user code	Master user code	On

Enter

LED KEYPAD

To view the log entries enter

The latest log entry will be shown

To view older events, use the key or the newer events..

To leave log entries press

When the start or end of log is reached the display will show: _ _

For explanations on Log entries see the Event Log table.

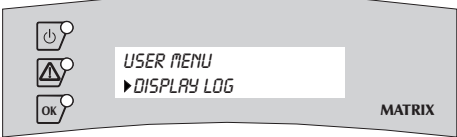
Log entries applicable only to your partition will be displayed.

Note: See pages 52 / 53 / 54 / 55 for log table entries.

LCD KEYPAD

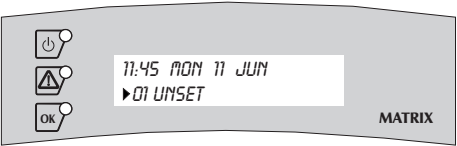
Scroll through the main user menu using the and down keys to the Display log menu option

The following display will be shown-



Enter- to select this option

The following display will be shown -



Press the or keys to scroll through the events.

If you wish to see additional data for an event press the key.

Note: some events don't have additional data

Pressing the key will return you to the event type again.

Alternatively press the or key to scroll through the next / proceeding events.







Enter to leave the log

Please refer to the log table to understand all the information presented in this log option.

Note: See pages 52 / 53 / 54 / 55 for log table entries.

9.3 SETTING THE VOLUME

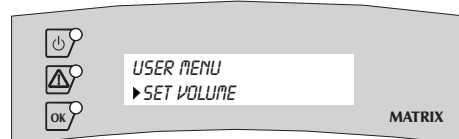
LED KEYPAD


- To change the volume enter   
 - Use the  or  keys to increase or decrease the volume.
 - Press  to store the new volume.
- The volume selected will be overridden during alarms.

LCD KEYPAD

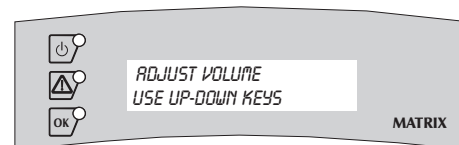
To change the volume of the keypad, scroll through the main user menu to the set volume menu option



The following display will be shown-



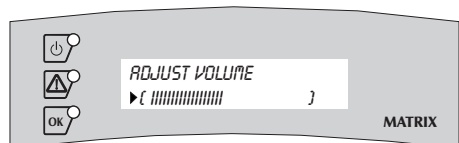
Enter  to select this option


The following display will be shown -



Use the  or  keys to increase or decrease the volume

The following screen will now be shown indicating the volume level

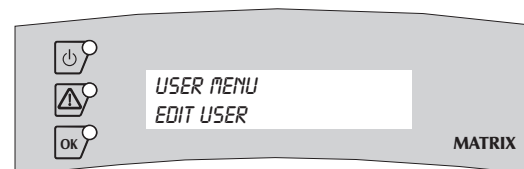



Enter the  key to accept the new volume setting and return to user menu

10.4 EDIT USER - LCD KEYPAD

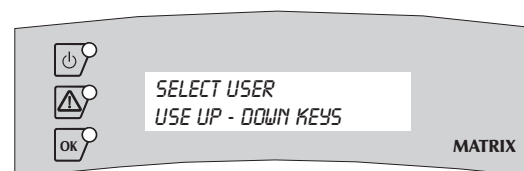
To edit a user or add a new user to the system, scroll through the main user menu to edit user menu option.


The following display will be shown-



Enter  to select this option.


The following display will be shown



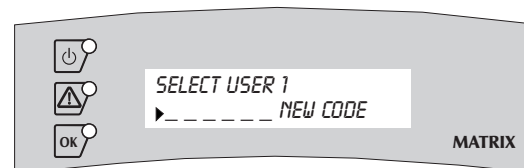
Use the  or  keys to select the user (1 to 32)


The user number will be displayed on the top right hand corner of the display, and the user name will be displayed on the bottom line.

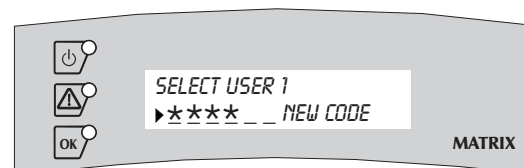
Note: At this stage you can exit Edit user by pressing 


Enter  to select the user you wish to edit

The following display will be shown -



Enter the new code for this user followed by  if less than 6 digits
The following display will be shown -



Enter the new use code again, followed by  if less than 6 digits
an acceptance tone will be heard



AFTER ATTRIBUTES ALLOCATION, THE USER CODE MAXIMUM USE COUNTER OPTIONS ARE AVAILABLE.

The current setting will be displayed





The two digits from the following options for desired operation

  = Unlimited User code.

(This code may be used an unlimited number of times. Additionally each time an unlimited code is used, all the limited user code counters are refreshed, this is the factory default for all users)

  = One use only code.

(This code is deleted after been used once for either arm or disarm. This code would generally be used to give to a delivery person who will only use the code once)

  -   = A number between 2 - 99 represents the amount of times a user code may be used between uses of a unlimited code.


Press  to accept

9.4 SETTING THE BACKLIGHT


LED KEYPAD

To change the brightness of the keypad

display enter   

Use the  key to increase the brightness

and the  key to decrease.

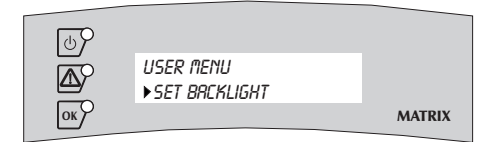
Press  to store the new brightness.


If the brightness is at max, the keypad will not dim after the 2 minute timeout.

LCD KEYPAD

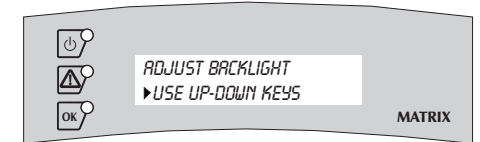
To change the backlight, scroll through the main user menu to the Set backlight menu option



The following display will be shown-



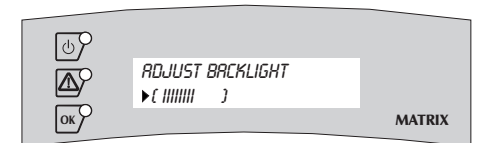
Enter  to select this option


The following display will be shown - Displaying current time and date



Use the  or  keys to increase or decrease the back light

The following display will be shown indicating the back light level






Enter the  key to accept the new back light setting and return to user menu


Note: Setting the back light to maximum setting keeps the brightness at maximum even when keypad times out in an idle state.

9.5 VIEW TIME AND DATE

LED KEYPAD

To view the time and date enter   

The display for hours will then be shown

Use the  button to scroll through the menu after each display.

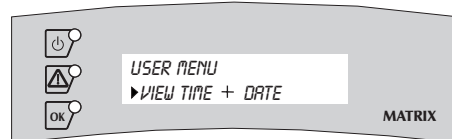
The following displays will be shown: _


Hours, Minutes, Date, Month and Year.

LCD KEYPAD

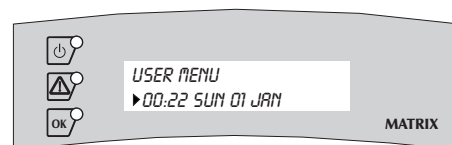
To view the time and date, scroll through the main user menu to the View time and date menu option


The following display will be shown



Press  to select this option

The following screen will be shown- displaying current time and date





Enter  to return to main menu.

USER ATTRIBUTES

The following table shows user attributes

Option NO	Alarm LED Off=OPTION OFF	Alarm LED On=OPTION ON	FACTORY DEFAULT
1	Omit zones not allowed	Omit zones allowed	On
2	Normal user code	Duress only code	Off
3	Duress disabled on user code	Duress enabled on user code	On
4	Arm disallowed	Arm allowed	Off
5	Disarm allowed	Disarm allowed	Off
6	Spare	Spare	Off
7	Spare	Spare	Off
8	Limited user code	Master user code	Off

--- Step 1: Use the   keys to select the attribute required ---

--- Step 2: To enable an attribute press the  key until the alarm light illuminates ---

--- Step 3: To disable an attribute press the  key until the alarm light switches off ---

Repeat steps 1 to 3 until desired attributes have been enabled or disabled

Press  to accept.



--- After User Attributes, the user code maximum use counter must be assigned---


Note: Do not remove master user setting from your main master user code, it can only be re-instated by the engineer.


PARTITION ALLOCATION

The following table shows partition assignment

Option No	Alarm LED Off = OPTION OFF	Alarm LED On = OPTION ON	FACTORY DEFAULT
1	Not assigned to partition 1	Assigned to partition 1	On
2	Not assigned to partition 2	Assigned to partition 2	On
3	Not assigned to partition 3	Assigned to partition 3	On
4	Not assigned to partition 4	Assigned to partition 4	On

--- Step 1: Use the   keys to select the partition required ---

--- Step 2: To enable access to this partition press the  key until the alarm light illuminates ---

--- Step 3: To disable access to this partition press the  key until the alarm light switches off ---

Repeat steps 1 to 3 until desired partition access has been enabled.

Press  to accept.

If a code already exists in one of the assigned partitions, a new user code must be chosen. The procedure will automatically restart from the beginning, and all changes will be lost.

--- After Partition Allocation, User Attributes must be assigned ---




10. MASTER USER OPTIONS

10.1 CHANGING THE TIME.


LED KEYPAD

LCD KEYPAD

Note: The following menu options are only available for Master users

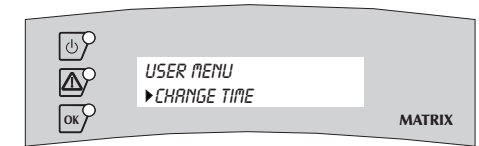
- To change the time enter   
 ---Enter the time in 24- hour format i.e. Two digits for hours followed by two digits for minutes,


Eg 09'30---

- Press  to store the new time

To change the time, scroll through the main user menu to the Change time menu option

The following display will be shown-

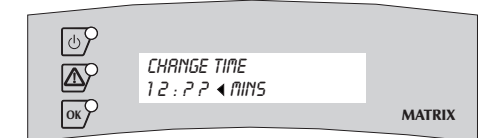


Enter  to select this option


The following display will be shown -
Enter hours as a two digit 24 hour value -



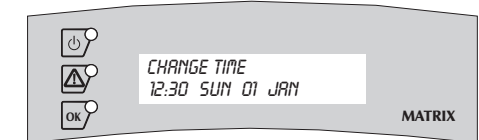
The next display will now be shown -
Enter Minutes as a two digit value -




If you want to re-enter the time from here simply repeat the last two steps.

Enter the  key to accept the changes




The new time will now be displayed



Enter  to return to the main menu.

10.2 CHANGING THE DATE


LED KEYPAD

To change the date enter   

Enter one digit for the day

- 1 = Monday.
- 2 = Tuesday
- 3 = Wednesday
- 4 = Thursday
- 5 = Friday
- 6 = Saturday
- 7 = Sunday

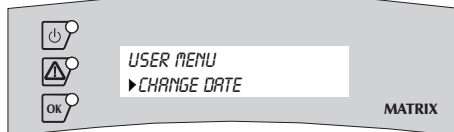
Enter 2 digits for the year: 00 to 99
 Enter 2 digits for the month: 01 to 12
 Enter 2 digits for the date: 01 to 31


- Press  to save the new time.

LCD KEYPAD

To change the date, scroll through the main user menu to the change date menu option

The following display will be shown-




Enter  to select this option

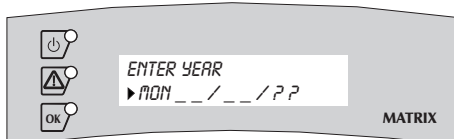
The following display will be shown,



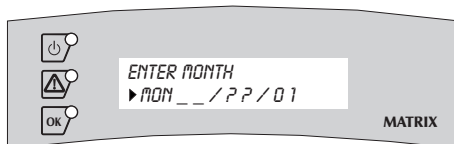
Use the  and  arrow keys to select the correct day

Enter  to select the day as chosen.

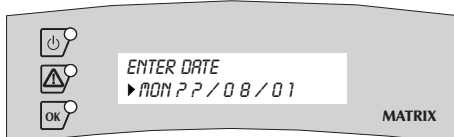
The following display will be shown,
Enter the correct year as a two digit value -





The following display will be shown,
Enter the correct month as a two digit value -

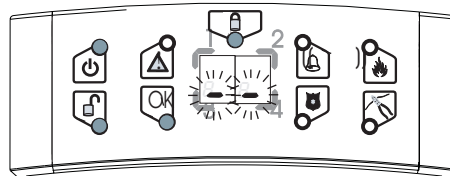



The following display will be shown,
Enter date of date as a two digit value -



Enter  to accept changes, and the new date will be displayed, press  again to return to the menu.

10.3 CHANGING USER CODES AND ALLOCATING USER CODE ATTRIBUTES - LED KEYPAD






-To change the User code enter    -


---Two flashing segments will be displayed ---

Note : There are two methods of entering the user number you wish to change

---1. Enter the two digit user number of the user code to be changed (01 - 32)---

-2. Use the   arrow keys to find the user numbers allocated to your---
 partition, and then press  -

--- A confirmation tone will now be heard. (If an error tone is heard that user is not available) ---

--- Enter the new user code (four, five or six digits). (Enter  to accept a user code of less than six digits)

--- Enter the new user code again for confirmation (Enter  to accept the new user code) ---

--- A confirmation tone will now be heard ---

--- After user code allocation. Partition allocation must be assigned ---