ELELOCK))
S Y S T E M S   L T D

GEM*i*SYS² ™

User Manual

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Contents

System configuration

Single door system

The **GEMiSYS²** single door system is the simplest configuration where there is one controller that you present your User card to and the single lock unlocks the associated door.

Multi door system – all doors open at one time

The **GEMiSYS²** multi door system in this configuration allows you to present your User card to the controller and all of the associated doors will unlock at the same time.

Multi door system – each door open independently

The **GEMiSYS²** multi door system in this configuration allows you to present your User card to the respective controller for that door and only that door unlocks, the other doors remain locked.

Your system

The **GEMiSYS²** system has already been configured at the factory for you so your system is ready to use.

Standard system card pack

In the standard **GEMiSYS²** system pack you receive there will be a:

- USER card*
- SUPERUSER card*
- minimum of two SHADOW cards*
- ADD card
- DELETE card

*The number of USER and SUPERUSER cards you receive will be based on your specified requirements. For each USER and SUPERUSER card received you will receive one SHADOW card.

USER card

The purpose of the USER card is to enable the User to unlock a door.

SUPERUSER card

The purpose of the SUPERUSER card is to enable the holder of the card to unlock a door or mute an alarm if required to do so.

SHADOW card

A SHADOW card when activated will be paired to either a USER card or a SUPERUSER card. The purpose of the card is to be able to DELETE the respective USER card or SUPERUSER card form the system should you wish to do so without the USER or SUPERUSER card being present.

NOTE: It is important that the SHADOW cards do not get mixed up and you know which SHADOW card relates to which USER or SUPERUSER card.

ADD card

The ADD card is used to add USER cards to the system, how to do this is explained in the ADD User section of this manual.

DELETE card

The DELETE card is used to remove either a USER card or a SUPERUSER card from the system, how to do this is explained in the Remove User section of this manual.

System operation

There are a number of default settings to the system, these are detailed below:

- Door unlock duration 5 seconds
- Forced entry alarm

Single door system

Unlocking the door

When you present the USER card to the All-In-One controller, as shown in figure 1 below, the lock will unlock and allow you to open the door.

Figure 1.

NOTE: the above is time limited and after 5 seconds the lock will return to the locked position again.

Multi door system – all doors open at one time

Unlocking the door

When you present the USER card to the All-In-One controller, as shown in figure 2 below, the locks will unlock and allow you to open any or all the doors.

Figure 2.

NOTE: the above is time limited and after 5 seconds the lock will return to the locked position again.

Multi door system – each door open independently

Unlocking the door

When you present the USER card to the All-In-One controller, as shown in figure 3 below, the lock will unlock and allow you to open the door. Each door is opened independently of the other doors.
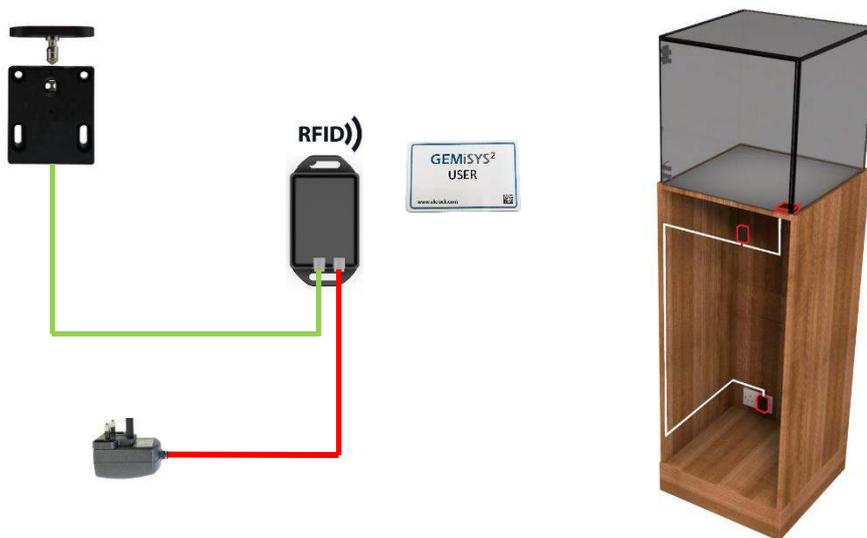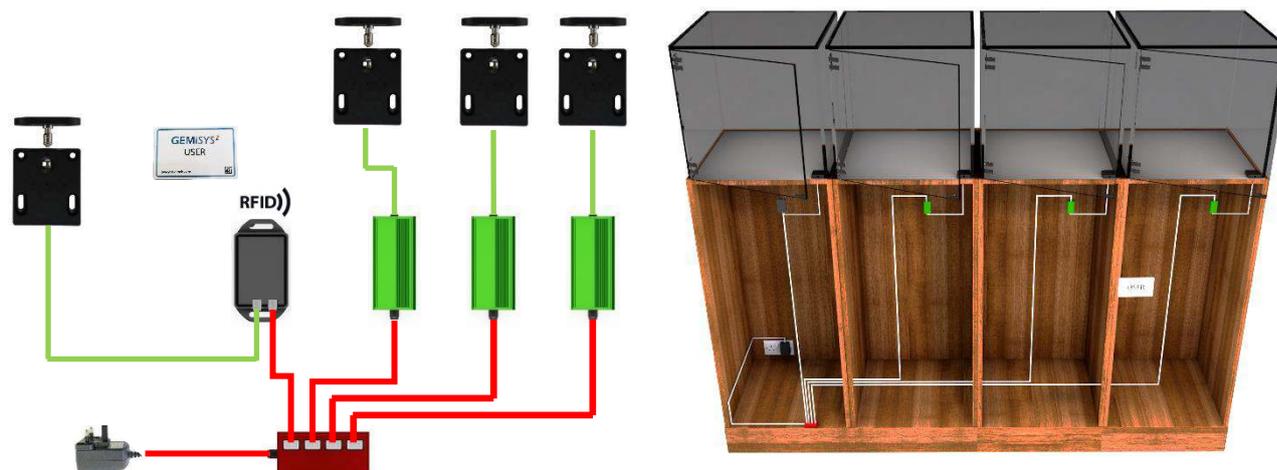

Each door unlocks independently
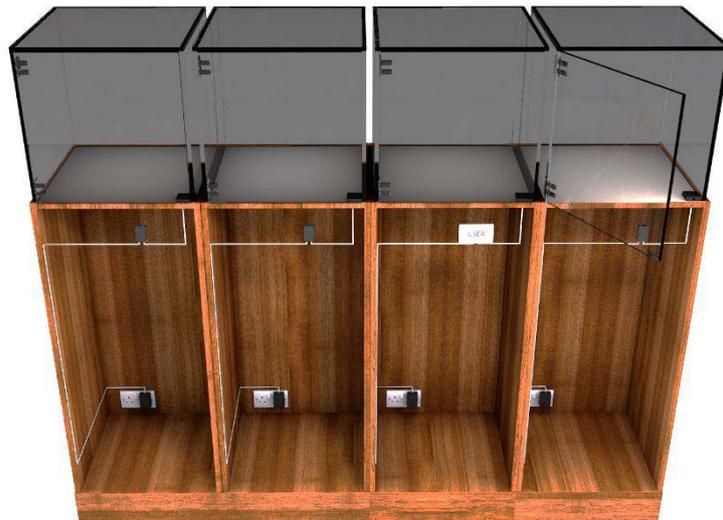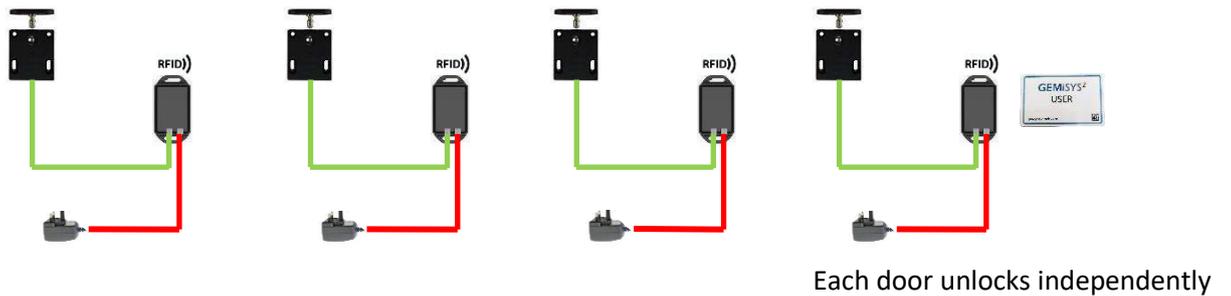
Figure 3.

NOTE: the above is time limited and after 5 seconds the lock will return to the locked position again.

ADD User

To do this you require the following cards to be available:

- ADD
- USER
- SHADOW

Follow the flow diagram shown in figure 4 below.

Note: Once you have presented the ADD card you have a maximum of 10 seconds to present each subsequent card. During this time the system will beep, if the system times out you will hear 3 lower tone beeps after which the beeping will stop.

You may continue to add new USER and SHADOW cards until the time out occurs.

Present ADD card

The All-In-One controller will start beeping

Present USER card

Present SHADOW card
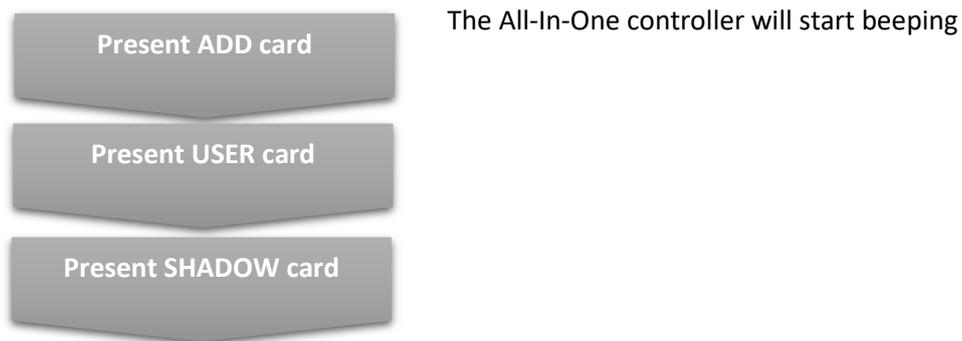
Figure 4.

Remove User

To do this you require the following cards to be available:

- DELETE
- USER

OR

- DELETE
- SHADOW

Follow the flow diagram shown in either figure 5a or 5b below, both have the same end result.

Note: Once you have presented the DELETE card you have a maximum of 10 seconds to present each subsequent card. During this time the system will beep, if the system times out you will hear 3 lower tone beeps after which the beeping will stop.

Present DELETE card

Present USER card

The All-In-One controller will start beeping

Figure 5a.

Present DELETE card

Present SHADOW card

The All-In-One controller will start beeping

Figure 5b.

Advanced system card pack

In the standard **GEMiSYS²** system pack you receive there will be a:

- USER card*
- SUPERUSER card*
- minimum of two SHADOW cards*
- ADD card
- DELETE card
- FACTORY RESET
- MASTER
- PARAMETER ADJUST A
- PARAMETER ADJUST B
- ALARM DELAY 30S
- ALARM DELAY 60S
- UNLOCK DURATION 5S
- UNLOCK DURATION 10S
- UNLOCK DURATION 25S

*The number of USER and SUPERUSER cards you receive will be based on your specified requirements. For each USER and SUPERUSER card received you will receive one SHADOW card.

USER card

The purpose of the USER card is to enable the User to unlock a door.

SUPERUSER card

The purpose of the SUPERUSER card is to enable the holder of the card to unlock a door or mute an alarm if required to do so.

SHADOW card

A SHADOW card when activated will be paired to either a USER card or a SUPERUSER card. The purpose of the card is to be able to DELETE the respective USER card or SUPERUSER card form the system should you wish to do so.

NOTE: It is important that the SHADOW cards do not get mixed up and you know which SHADOW card relates to which USER or SUPERUSER card.

ADD card

The ADD card is used to add USER cards to the system, how to do this is explained in the ADD User section of this manual.

DELETE card

The DELETE card is used to remove either a USER card or a SUPERUSER card from the system, how to do this is explained in the Remove User section of this manual.

FACTORY RESET card

When the FACTORY RESET card is used (as directed in the FACTORY RESET section of this manual) it will remove all USER cards from the system. The USER cards can then be added back into the system by following the ADD User section of this manual.

NOTE: The SUPERUSER card(s) will still operate the system.

MASTER card

The MASTER card is used to activate any parameter change such as an alarm delay or an unlock duration.

PARAMETER ADJUST A & B cards

The PARAMETER ADJUST cards can be used to manually adjust the:

- time settings for the door open alarm delay,
- unlock duration
- forced entry alarm enable / disable
- factory reset
- low power enable / disable

ALARM DELAY 30S & 60S cards

The ALARM DELAY cards can be used to introduce a fixed delay period that the door can remain open before a warning alarm sounds. The default setting for the system is no alarm.

UNLOCK DURATION 5S, 10S & 25S cards

The UNLOCK DURATION cards can be used to alter the length of time the door remains unlocked. The default setting for the system is 5 seconds.

FACTORY RESET

To do this you require the following card to be available:

- FACTORY RESET

Follow the flow diagram shown in figure 6 below.

Note: Once you have presented the FACTORY RESET card there is no system time out. You can cancel the FACTORY RESET at any time by presenting any other card.

Present FACTORY RESET card	The All-In-One controller will beep twice.
Present FACTORY RESET card	The All-In-One controller will beep 3 times, these will be louder and a higher pitch.
Present FACTORY RESET card	The All-In-One controller will beep 4 times, these will be a different pitch to the last 2 sets of

beeps.
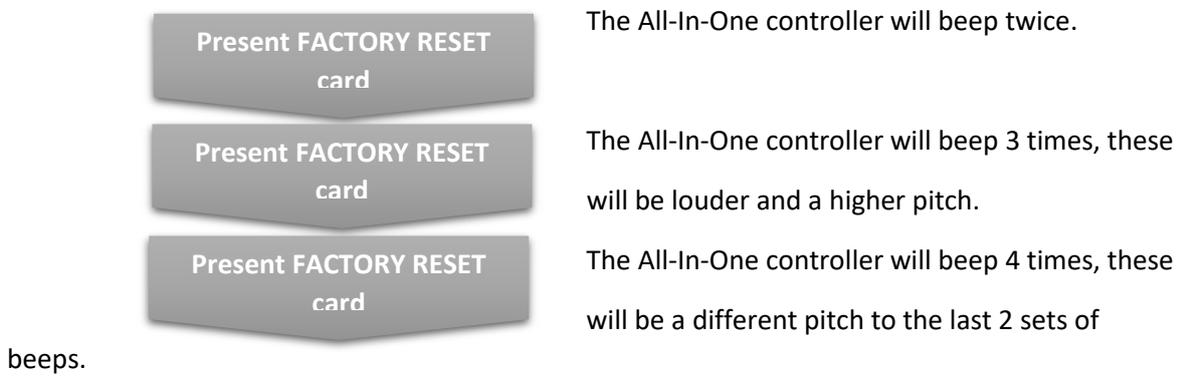
Figure 6.

Changing the ALARM DELAY

To do this you require the following cards to be available:

- MASTER
- ALARM DELAY (30S or 60S)

Follow the flow diagram shown in figure 7 below.

Note: Once you have presented the MASTER card you have a maximum of 10 seconds to present next card. During this time the system will beep, if the system times out you will hear 3 lower tone beeps after which the beeping will stop.

Present MASTER card	The All-In-One controller will start beeping
Present ALARM DELAY card	

Figure 7.

Changing the UNLOCK DURATION

To do this you require the following cards to be available:

- MASTER
- UNLOCK DURATION (5S, 10S OR 25S)

Follow the flow diagram shown in figures 8 below.

Note: Once you have presented the MASTER card you have a maximum of 10 seconds to present next card. During this time the system will beep, if the system times out you will hear 3 lower tone beeps after which the beeping will stop.

Present MASTER card   The All-In-One controller will start beeping

Present UNLOCK
DURATION card

Figure 8.

Manual parameter adjustment

To do this you require the following cards to be available:

- PARAMETER ADJUST A
- PARAMETER ADJUST B

To undertake a manual parameter adjustment, you are required to present a combination of the two cards in a specified sequence, there will be a total in five cards presentations to the system to complete the sequence.

Follow the table shown in figure 9 on the following page. Select your required action row in the table and follow the specified PARAMETER ADJUST card presentation sequence. An example for a 10S alarm delay is shown below in figure 10.

PARAMETER ADJUST card sequence					Parameter adjusted	Adjustment outcome
A	A	A	A	B	Forced entry alarm enable	Alarm enabled
A	A	A	B	A	Forced entry alarm disable	Alarm disabled
A	A	A	B	B	Door open alarm delay 0	10 second alarm delay
A	A	B	A	A	Door open alarm delay 1	30 second alarm delay
A	A	B	A	B	Door open alarm delay 2	60 second alarm delay
A	A	B	B	A	Door open alarm delay 3	120 second alarm delay
A	A	B	B	B	Door open alarm delay 4	Door open alarm disabled
A	B	A	A	A	Door unlock duration 0	2 second unlock duration
A	B	A	A	B	Door unlock duration 1	5 second unlock duration
A	B	A	B	A	Door unlock duration 2	10 second unlock duration
A	B	A	B	B	Door unlock duration 3	25 second unlock duration
A	B	B	A	A	Door unlock duration 4	Toggle action activiated*
A	B	B	A	B	Factory reset 0	This sequence is presented first
A	B	B	B	A	Factory reset 1	folled by this to achieve a FACTORY RESET
A	B	B	B	B	Low power enable	Low power enable
B	A	A	A	A	Low power disable	Low power disable

*User has to present a USER card to unlock the door which will remain unlocked until the
USER card is presented again.

Figure 9.

Note: Once you have presented either of the PARAMETER ADJUST cards you have a maximum of 10 seconds to present the next card. During this time the system will beep, if the system times out you will hear 3 lower tone beeps after which the beeping will stop.
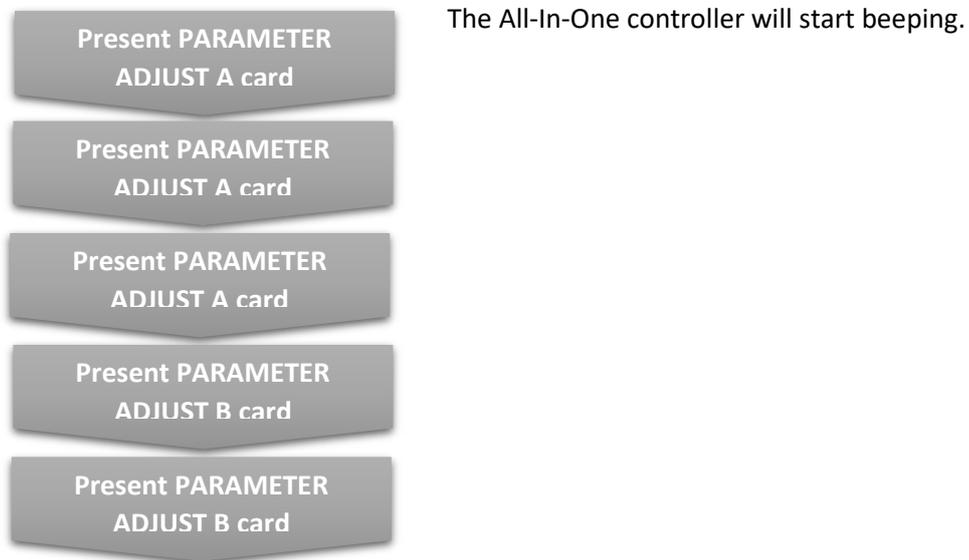
Present PARAMETER ADJUST A card

Present PARAMETER ADJUST A card

Present PARAMETER ADJUST A card

Present PARAMETER ADJUST B card

Present PARAMETER ADJUST B card

The All-In-One controller will start beeping.

Figure 10.

Fault finding

Detailed below are some operational issues that you could experience and how to rectify them.

Operational Issue	Solution
SHADOW card does not open lock.	SHADOW card is not intended to be able to open the lock, use the USER card instead.
I want to cancel a lost USER card.	Follow the 'Removing a User' instructions using the respective SHADOW card.
The open door alarm does not sound	This is the standard default setting for the system.
I have deleted a SUPERUSER by mistake	Contact Elelock Systems Limited on Tel: +44 (0)1279 417 640 Email: cc@elelock.com

System expansion

Additional Users

If you require additional Users to be added to your **GEMiSYS²** system, then contact us at Elelock with the details of how many additional Users are to be added to your system and we will provide you a quote for the required paired USER and SHADOW cards.

Additional locks

For each additional door you need to control with your existing system our team at Elelock will identify the most cost efficient method of expanding your existing system. You will need to tell us key information like is this a new master door to be opened independently of the existing door or a slave door where one door opens the other does at the same time.

Please get in touch to discuss your requirements further using the details below.

Contact details

If you need to get in touch with us please phone or email us.

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