



LIFTMASTER ELECTRONICS PTY LTD

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Unit 8 / 133 McEvoy Street Alexandria NSW 2015

MANUFACTURERS, IMPORTERS & WHOLESALE DISTRIBUTERS OF PARKING EQUIPMENT

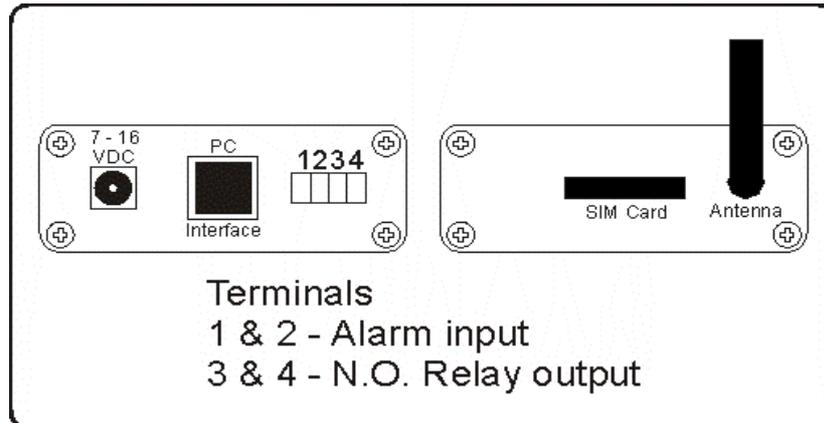
WEBSITE: <http://www.liftmaster.com.au>

EMAIL: salesdesk@liftmaster.com.au

Magic Cell Instructions

Description

The Magic Cell is a self-contained quad band GSM data module, the Magic Cell enables any gate/door or alarm panel to be triggered by mobile and/or fixed telephones. Provided the caller ID of the originating call is validated, a gate or similar apparatus can be activated remotely at no cost to the caller. This is because the Magic Cell does not need to answer the call to be able to determine if the caller's number is valid.



The Magic Cell can be set up to work in a two different modes;

- 1) **Simple** – If no numbers are programmed into unit , all calls will be considered valid.
- 2) **Programmed** – Only numbers programmed will be considered valid, see below

To trigger the Magic Cell receiver for free by telephone call

Use a landline or mobile telephone to call the Magic Cell, Hang up after hearing a ring tone for about 2 seconds. If the caller ID of the telephone is recognised by the Magic Cell, it will trigger the the device. Since the call was never answered, there will be no call costs associated with the transaction.

*** IMPORTANT ***

The magic cell must first be set up to operate as a stand alone unit. This can be done through the software by setting the default button to 5, or via SMS with the following message sent to the magic cell.

Password:B(5)

Programming Via SMS

1) To add a new phone number

Send an SMS message to the Magic Cell in the following case sensitive format:

password:I(nnnnnnnnnn,smypass,z,v,e,s)

Where

password is the 5 – 8 character case sensitive alphanumeric master password (default, "Password").

nnnnnnnnnn is the 10 digit mobile number or 10 digit landline number (including area code).

smypass is a 5 – 8 character case sensitive alphanumeric user password.



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z is the user group (1-8).

v is a valid or void flag - 1 indicates valid and 0 indicates void.

e is whether a successful incoming call is echoed back to the originator with a 5 second confirmation call - 1 activates echo and 0 disables it.

s is whether or not the Magic Cell sends alarm SMS messages to this user if it's alarm input has been triggered - 1 activates the feature and 0 disables it.

Eg: Sending the SMS "Password:I(0296999654,secret,1,1,1,1)" will add the landline phone number (02) 96999654 with a user password of "secret". The number is valid for use, grouped into group 1 and the Magic Cell will call the phone back for 5 seconds after receiving a successful activation from the caller. The Magic Cell will also send alarm and restore SMS messages if it's alarm input circuit has been activated and non zero alarm messages have been programmed (see Alarm Input Connection below).

Eg: Sending the SMS "Password:I(0411115856,secret,1,1,0,0)" will add the mobile phone number 0411114846 with a user password of "secret". The number and is valid for use, grouped into group 1 with echo and alarm messaging disabled.

2)To delete a phone number

Send an SMS message to the Magic Cell in the following format:

password:E(nnnnnnnnnn)

Where

password is the 5 – 8 character case sensitive alphanumeric master password (default, "Password")

nnnnnnnnnn is the 10 digit mobile number or 10 digit landline number (including area code).

Eg: Sending the SMS "Password:E(0296999654)" will delete the landline phone number (02) 96999654, using the default master password of "Password".

3)To delete all phone numbers

Send an SMS message to the Magic Cell in the following format:

password:E(ALL)

Where

password is the 5 – 8 character case sensitive alphanumeric master password (default, "Password")

Eg: Sending the SMS "Password:E(ALL)" will delete all phone numbers in the Magic Cell, using the default master password of "Password".

4)To set the time and date in the onboard clock

Send an SMS message to the Magic Cell in the following format:

password:C(yy/mm/dd,hh:mm+/-gg)

Where

password is the 5 – 8 character case sensitive alphanumeric master password (default, "Password").

yy/mm/dd is the numerical year, month and day of month.

hh:mm is the 24 hour time in hours and minutes.



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+/-gg is the number of hours from Greenwich Mean Time GMT of the time zone where the Magic Cell is installed multiplied by 4.

Eg: Sending the SMS "Password:C(07/07/01,14:30+32)" will set the clock to 2:30pm on 1st July 2007 with a time zone offset of GMT+8 hours using the default master password of "Password".

Eg: Sending the SMS "Password:C(07/07/01,14:30-8)" will set the clock to 2:30pm on 1st July 2007 with a time zone offset of GMT-2 hours using the default master password of "Password".

Eg: Sending the SMS "Password:C(07/07/01,14:30+00)" will set the clock to 2:30pm on 1st July 2007 with a time zone offset of GMT+0 hours using the default master password of "Password".

5) To change the master password

Send an SMS message to the Magic Cell in the following format:

password:W(newpassword)

Where

password is the 5 – 8 character case sensitive alphanumeric master password (default, "Password")

newpassword is the new 5 – 8 character case sensitive alphanumeric master password.

Eg: Sending the SMS "Password:W(2Secret)" will change the master password to "2Secret".

6) To set the details for a group

Send an SMS message to the Magic Cell in the following format:

password:Z(n,hh:mm-hh:mm,SMTWTFS)

Where

password is the 5 – 8 character case sensitive alphanumeric master password (default, "Password")

n is the group number from 1 – 8.

hh:mm-hh:mm is the active time span for the group in 24 hour format.

SMTWTFS are the active days for the group from Sunday through to Saturday, Use **x** where the day is not active.

Eg: Sending the SMS "Password:Z(5,00:00-23:59.SMTWTFS)" will set group 5 to be active for 24 hours a day and 7 days a week, using the default master password of "Password".

Eg: Sending the SMS "Password:Z(2,07:45-18:30.xMTWTFx)" will set group 2 to be active from 7:45am to 6:30pm from Monday to Friday, using the default master password of "Password".



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Sending multiple commands in one SMS

Multiple commands can be sent in one SMS by using the following format:

password:command1:command2:....commandx etc

Where

password is the 5 – 8 character case sensitive alphanumeric master password (default, "Password")

command1 etc are any of the above mentioned configuration commands.

Eg: Sending the SMS "Password:E(ALL):I(0892481646,secret,1,1,1,1)" will delete all phone numbers, add the landline phone number (08) 92481646 with a user password of "secret". The number and SMS password are valid for use, grouped into group 1 and the Magic Cell will call the phone back for 5 seconds after receiving a successful activation from the caller. The Magic Cell will also send alarm and restore SMS messages if it's alarm input circuit has been activated and non zero alarm messages have been programmed - using the default master password of "Password".

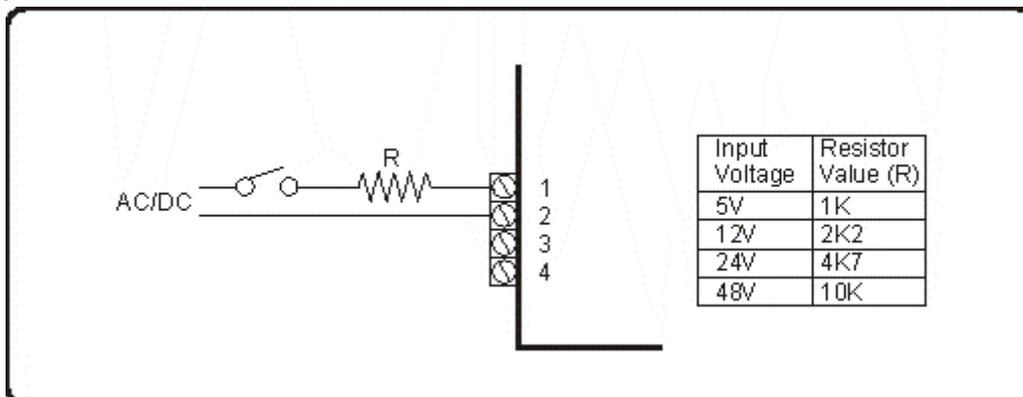
The number of continuous commands sent is only limited to the total number of characters used in any one SMS. Once the limit of 160 characters is used, the message should be trimmed to the last whole command.

Power Supply Configuration

The Magic Cell is capable of being powered with voltages ranging from 7 – 16 Volts DC with a Maximum current capacity of 1 Amp. Power is supplied via a 2.1mm DC connector with the centre pin being positive.

Alarm input connection

The NSGSM opto-isolated alarm input circuit is designed to accept various AC and DC input triggers ranging from 5 to 48 Volts. The alarm active SMS is sent when the input detects the application of an applied voltage, while the alarm reset SMS is sent when the input detects the removal of voltage. Care must be taken to include a current limiting resistor in series with the voltage source with the resistance chosen in accordance with the table below.



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1) To set the alarm notification SMS message

Send an SMS message to the Magic Cell in the following format:

password:V(text message)

Where

password is the 5 – 8 character case sensitive alphanumeric master password (default, "Password")

text message is any sort of meaningful text message that describes to the recipient that an alarm or other condition has been detected by the Magic Cell's alarm input circuit. If a null message (ie one without any characters is set), the Magic Cell will not send an alarm activated SMS.

Eg: Sending the SMS "Password:V(Gate forced alarm)" will cause the Magic Cell to send the SMS "Gate forced alarm" to selected recipients when the Magic Cell alarm input has been triggered.

Eg: Sending the SMS "Password:V()" will prevent the Magic Cell from sending an alarm activated message when the Magic Cell alarm input has been triggered.

2) To set the alarm restored notification SMS message

Send an SMS message to the Magic Cell in the following format:

password:U(text message)

Where

password is the 5 – 8 character case sensitive alphanumeric master password (default, "Password")

text message is any sort of meaningful text message that describes to the recipient that an alarm or other condition has been detected by the Magic Cell's alarm input circuit as returning to a non alarm state.

Eg: Sending the SMS "Password:U(Gate forced alarm reset)" will cause the Magic Cell to send the SMS "Gate forced alarm reset" to selected recipients when the Magic Cell alarm input has been reset.

Eg: Sending the SMS "Password:U()" will prevent the Magic Cell from sending an alarm reset message when the Magic Cell's alarm input has been reset.



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