Instruction
Manual

DSC

Power832
S E C U R I T Y   S Y S T E M

LCD5500

Introduction

The LCD5500 Security Station provides easy to understand English language information about the status of your security system and makes daily operation simple by prompting the user through each operation.

The LCD5500 eliminates the need to memorize key sequences to perform system functions but, you must memorize your Master Security Code and any additional Security Codes you have programmed into the system.

The keypad sounding device provides audible feedback each time a key is pressed and with unique audible sequences it signals troubles and the correct or incorrect entry of information,

About Your Security System

Your DSC security equipment has been designed to give you the greatest possible flexibility and convenience. The LCD5500 Security Station will guide you through each operation with English language prompts. Read this manual carefully and have your installer instruct you on system operation and on which features have been implemented on your system. All users of this system should be equally instructed in its use. Fill out the SYSTEM INFORMATION page and store this manual in a safe place for future reference.

Fire Detection

This equipment is capable of monitoring fire detection devices such as smoke detectors and providing a warning alarm if a fire condition is detected. Good fire detection depends on having adequate numbers of fire detectors placed in appropriate locations. This equipment should be installed in accordance with N.F.P.A. standard #72, chapter 2 (N.F.P.A. Batterymarch Park, Quincey MA 02269). Carefully review the Family Escape Planning guidelines in this manual.

Note: Your Installer must enable the fire detection portion of this equipment before it becomes functional.

IMPORTANT NOTE

A **security system cannot prevent emergencies. It Is only intended to alert you and, If Included, a monitoring statlon of an emergency situation. Security systems are generally very reliable but they may not work under all conditions and they are not a substitute for prudent security practices or life and property Insurance. Your security system should be Installed and serviced by qualified security professionals who should Instruct you on the level of protection that has been provided and on system operatlon.**

The system has been listed for commercial burglary, residential fire and Grade A residential burglary applications by Underwriters Laboratories.

Testing

To insure that your system continues to function as intended, it is important that you test the system weekly. See the testing procedure elsewhere in this manual. If your system does not function properly, call your installing company for service.

Monitoring

This system is capable of transmitting alarms, troubles, and emergency information over telephone lines to a monitoring station. If you inadvertently initiate an alarm, immediately call the monitoring station to prevent an unnecessary response.

Note: The monitoring function must be enabled by the installer before it becomes functional.

General System Operation

Your security system is made up of a DSC control panel, one or more LCD5500 security stations and various detectors and sensors. The DSC control panel will be mounted out of the way in a utility room or basement. The metal cabinet contains the system electronics, fuses and stand-by battery. There is normally no reason for anyone but the installer or service person to have access to the control panel. The LCD5500 keypads have an audible indicator, an alphanumeric LCD, (Liquid Crystal Display), and command entry keys. The keypad is used to send commands to the system and to display the current system status. The security station(s) will be mounted in convenient locations inside the protected premises close to the exit-entry doors.

The security system has several zones or areas of protection and each of these zones will have one or more detection sensors connected to it (motion detectors, glassbreak detectors, door contacts or shock sensors). When a sensor is in alarm, the zone in alarm will be displayed on the LCD5500 security station,

Trouble and Armed LED Displays

The LCD5500 has a yellow LED on the right side of the keypad which represents the trouble status of the panel. There is a red LED in the middle which represents the armed status of the panel. There is a green LED on the left side which represents the ready status of the panel.

Master Code

The four digit Master Code is used for arming and disarming the security system, programming additional security codes and changing other features. The Master Code will be supplied to you by your installer. If enabled by your installer, the Master Code can be changed at any time. *(See Programming Security Codes section.)*

System Information

This system includes:

_____ Control Panel model _____

_____ Security Station(s) model _____ **LCD5500** _____

_____ Remote keypad(s) model _____

Master Security Code: 40 _____

There are _____ codes available on this system.

Additional Security Codes

01 _____	09 _____	17 _____	25 _____
02 _____	10 _____	18 _____	26 _____
03 _____	11 _____	19 _____	27 _____
04 _____	12 _____	20 _____	28 _____
05 _____	13 _____	21 _____	29 _____
06 _____	14 _____	22 _____	30 _____
07 _____	15 _____	23 _____	31 _____
08 _____	16 _____	24 _____	32 _____

There are _____ active zones on this system.

	Protected Area	**Zone Type**
1	_____	_____
2	_____	_____
3	_____	_____
4	_____	_____
5	_____	_____
6	_____	_____
7	_____	_____
8	_____	_____
9	_____	_____
10	_____	_____

Zone	Protected Area	Zone Type
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
FIRE		
♠		Keypad Fire Zone
⚠		Keypad Auxiliary Zone
♟		Keypad Panic Zone

Monitoring Station Information

Account # _____   Telephone # _____

Installer Information

Company _____   Telephone # _____

Arming

Secure System Before Arming ‹›	If this display is showing, check to see that all zones are secure by closing all doors/windows and stopping motion in areas covered by motion detectors. If a zone will not clear, it may be bypassed to allow partial arming. ***NOTE: A bypassed zone reduces your protect/on. If a zone cannot be cleared, call your Installer for service.***
Enter Code to Arm System ‹›	If this display is showing, check to see that the system is clear of troubles and that there are no zones bypassed. The system may be armed with zones bypassed and/or trouble conditions present but to do so will compromise protection. Check to see which zones are bypassed and that these zones are intentionally bypassed. If a trouble is present, see the section "Viewing Trouble Conditions".
Enter Code to Arm System	If this display is showing, there are no troubles or bypassed zones and the system may be fully armed. To arm the system, enter your four digit security code. The keypad sounder will beep as each digit is entered. If the security code was incorrectly entered, the keypad sounder will beep steadily for two seconds and the display will not change.
Exit Delay in Progress	Once the correct security code has been entered, the display will be as shown. Exit the premises through the door indicated by your installer as the "exit-entry" door. Once the "exit" delay expires, the system will be armed and will display the following message:

**Enter Code to
Disarm System**

If you enter your security code with one or more zones bypassed, the following message will appear as soon as you enter the first digit.

* WARNING * Bypass Active	If this message appears, ensure that the zones bypassed are intentionally bypassed.

If you enter your security code and a system trouble is present, the following message will appear as soon as you enter the first digit.

* WARNING * System Trouble	If this message appears check to see what the trouble condition is and call for service. See the section "Viewing Trouble Conditions".

If you arm the system with a zone bypassed or with a trouble present, your security protect/on is reduced.

"At-Home" Arming

If you arm the system as described above and do NOT exit the premises, the system will, after the "exit" delay, arm with interior zones bypassed IF those interior zones have been programmed as "Home/Away" zones. If you exit during the exit period, ALL zones not intentionally bypassed will arm.

If you enter [*] [9] before your 4 digit security code, the entry delay on the designated "entry-exit" door is removed so that anyone entering while you are at home will sound an immediate alarm. Using [*] [9] to arm also allows YOU to exit during the exit delay period and automatically bypasses the interior zones designated as "Home/Away".

Disarming

Enter the premises only through the door(s) designated by your installer as the entry door(s). Entering by any other door will sound an immediate alarm.

Upon entering through the designated entry door, the keypad display will begin to sound an audible warning and display the following message..

| Entry Active
Enter Your Code |

If an error is made in entering the code, press the [#] key and enter the code again. The correct security code must be entered before the "entry" time expires or the system will go into alarm. Your installer can change the entry time. If no alarms occurred while the panel was armed, and there are no troubles, the display will read..

| System Disarmed
No Alarm Memory |

| Enter Code to
Arm System |

After about 5 seconds this message will be displayed and the system will be disarmed.

| View Memory
"Zone of Alarm" <> |

Upon disarming and if an ALARM occurred during the period the system was armed, this message will be displayed.

| Secure System
Before Arming <> |

After viewing alarms and if a zone is still in alarm, the display will show this message to indicate that a zone is open.

| Enter Code to
Arm System   <> |

Upon Disarming and if a TROUBLE is present, this message will be displayed.

If an Alarm Sounds

Fire Alarm

If your system has been installed with fire detectors and the alarm sounds in a pulsing mode, follow your emergency evacuation plan immediately. See guidelines for Family Escape Planning elsewhere in this manual.

Intrusion Alarm

If an intrusion alarm sounds (continuous bell/siren), the alarm may be silenced by entering your security code. Transmission to the monitoring station will NOT be interrupted by silencing the alarm unless a transmission delay is put in by your installer. If the alarm was unintentional, notify the monitoring service or local authorities immediately.

You may determine the source of the alarm by going to the Alarm Viewing section. Once the source of the alarm has been corrected, the panel can be restored to its original armed state.

Alarm Memory Display

The system is designed to remember alarms that occur while the system was "armed". Upon disarming and if an alarm has occurred, the display will read..

| View Memory |
| "Zone of Alarm" <> |

Press the scroll key to see other alarms.

| View Memory |
| (*) to Exit... <> |

If there are no more alarms, this message will be displayed.
Press [#] key to exit.

Zone Bypassing

Use zone bypassing when access is needed to part of the protected area while the system is "armed". Bypassed zones will not cause an alarm. Zones that are temporarily out of service due to damaged wiring or contacts may be bypassed to allow system arming (partial protection) until repairs can be made.

To bypass a zone, start with the panel in the disarmed state. The display will be..

| Enter Code to |
| Arm System |

or

| Enter Code to |
| Arm System <> |

| Select Option <> |
| Zone Bypass |

Press the [*] key to enter the functions menu. The display will be..

| Press (1) for... |
| Zone Bypass |

Press the [1] key to enter the bypass mode.

| Zone Search |
| "Zone Name" <> |

Press either scroll key to find the zone to be bypassed and press the [*] key.

| (xx) to Clear |
| "Zone Name" B |

"B" will appear on the display to show that the zone is bypassed. To remove a zone bypass, press the zone number as indicated at this point and "B" will disappear from the display to show that the zone is no longer bypassed.

If that zone was open when you went [*] [1], it will be seen on the display as follows..

| Select Zone <> |
| Zone x O |

or

| (xx) to Bypass |
| Zone x O |

or

| (*) to Exit.. |
| Zone x O |

If the same zone is already bypassed or you bypass the zone, it will then say B instead of O.

| Press (*) |
| To Exit |

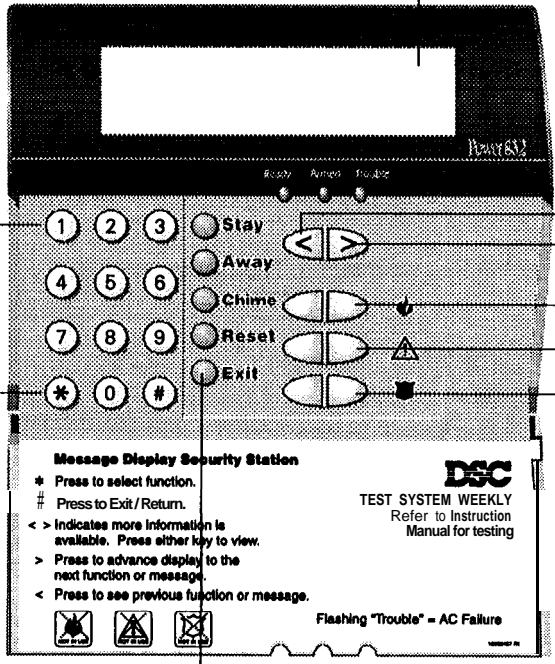To leave the bypass mode, press the [#] key.

Zone bypasses are automatically removed each time the system is disarmed and must be re-applied before the next arming.

Note: For security reasons your installer may program the system to prevent the bypass command from operating on certain zones.

LCD5500 Controls and Display

Keypad
Press keys as prompted by the LCD display to view alarms or troubles, to Arm/Disarm the system or to shunt zones.
To exit/return press [#]
To select function press [*]

Liquid Crystal Display (LCD) displays prompts and system information on two 16 character lines.
If "< >" appears, it indicates that more information is available. Press either key to view.

Press [<] to see the previous function or item of information.

Press [>] to advance the display to next function or item of information.

Press both ♦ Keys for 2 seconds to send a Fire transmission.

Press both △ Keys for 2 seconds to send an Auxiliary transmission.

Press both ♥ Keys for 2 seconds to send a Panic transmission.

Message Display Security Station
* Press to select function.
# Press to Exit / Return.
< > Indicates more information is available. Press either key to view.
> Press to advance display to the next function or message.
< Press to see previous function or message.

DSC
TEST SYSTEM WEEKLY
Refer to Instruction Manual for testing

Flashing "Trouble" = AC Failure

Ready Armed Trouble

(1) (2) (3) ○Stay
(4) (5) (6) ○Away
(7) (8) (9) ○Chime
(*) (0) (#) ○Reset
        ○Exit

Function Keys allow easy single button activation of the most commonly used features

Note: The Fire, Auxiliary and Panic keys will NOT function unless programmed by the Installer. if these keys are in service and the installer has enabled audible feedback, holding down the key for 2 seconds will cause the keypad sounder to beep indicating that the input has been accepted and transmission is underway.

Important Note
Test system weekly, have system trouble conditions corrected by installer.

Viewing Trouble Conditions

The control panel continuously monitors a number of possible trouble conditions. If one of these conditions occur, the keypad sounder will beep twice every 10 seconds.

If the panel is armed when the trouble occurs, the keypad will beep but the display will not change unless it is a fire zone trouble in which case it will toggle the message. Enter your security code to disarm the panel. The keypad sounder will stop beeping and the display will read..

```
* Trouble *
Fire Zone
```
```
Enter Code to
Arm system...   < >
```

If the panel is disarmed when the trouble occurs, the display will be as shown above and the keypad sounder will beep twice every 10 seconds. Pressing any key will silence the keypad sounder. To view the trouble, press either scroll key.

```
Press (*) For    < >
System Troubles
```
This message will be displayed.
Press the [*] key then [2] key to view the trouble.

```
View Trouble     < >
"Trouble Message"
```
This message will be displayed.
Press the scroll keys (< >) to see more troubles.

```
View Trouble     < >
(*) to Exit...
```
If there are no more troubles, this message will be displayed.

Press the [#] key to exit trouble viewing.

If there is only one trouble condition, the display will show the [#] to exit message. If there are multiple troubles, the display will show each one as the scroll key is pressed. Press the [#] key to exit the trouble view mode. The trouble indicator (< >) will remain on the display until the trouble condition is cleared.

Note: A TROUBLE condition reduces the security your system is designed to provide. Call your installing company for service.

The system is continuously monitored for the following trouble conditions.
- Low voltage or disconnected stand-by battery.
- Loss of AC power.
- Day circuit trouble (during the disarmed state)
- Telephone line problem
- Unsuccessful communication attempt with the monitoring station.
- Bell circuit fault (open circuit).
- Fire alarm circuit trouble (open circuit).
- Loss of time on the system clock.

Testing

It is recommended that the system be tested weekly.

1. Inform the monitoring station that you are testing.

2. Disarm the system. In the disarmed mode the display will read..

> Enter Code to
> Arm System...

3. Perform a Bell/Battery test by pressing [✱] [6] [Master Code] [4]. The Bell and keypad buzzer will sound for 2 seconds. Press [#] to exit.

4. Activate each sensor in turn, e.g. open door or window, walk in a motion detector area. As each zone is activated, this message will be displayed.

> Secure System
> Before Arming < >

Press either scroll key to view the alarm.
This message will be displayed.

> System Open:
> "Message" < >

Restore the sensor to normal, close door/window or stop motion, and the LCD display will return to the disarmed state.

5. Press the ♦ key to initiate an alarm. The Bell will sound pulsing. Arm then quickly disarm the panel to silence the signal and return to the disarmed state.

6. If the FIRE zone is enabled, activation will cause the signal to sound pulsing. **Caution: Do not use open flame or burning materials to test a smoke detector. Contact your installer for information on safe methods to test smoke detectors.**

7. Should the system fail to function properly, call your alarm dealer for service.

8. When testing is complete, call and advise the monitoring station.

Note: Not all features described will be functional unless enabled by your installer. Ensure your installer has advised you which features are functional on your system.

Keypad Zones

There are keys on the keypad labelled ♦ (Fire), ⚠ (Auxiliary) and ⬛ (Panic). These keys are only functional if they have been programmed by the installer. The installer should indicate which of these keys are active by placing a coloured label next to the key.

♦ Fire

Holding both keys down for two seconds will sound a fire Alarm. The alarm will sound pulsing and a transmission will be sent to the monitoring station. The keypad sounder will sound three beeps once the panel has accepted the alarm.

⚠ Auxiliary

Holding both keys down for two seconds will send a transmission to the monitoring station. The keypad sounder will sound a continuous series of short beeps once the panel has accepted the alarm and begun the transmission. The keypad sounder stops beeping once the key is released. A short series of beeps on the keypad will indicate that the transmission was successful.

☯ Panic

Holding both keys down for two seconds will send a transmission to the monitoring station. The keypad sounder will repeatedly sound three short beeps once the panel has accepted the alarm and begun the transmission, if the installer chooses to make acknowledgements audible. The keypad sounder stops beeping once the key is released. The installer can program this key to sound the alarm or to transmit the alarm silently.

Quick Arm Feature

When the Quick Arm feature is enabled, the system may be armed by simply pressing [✱] [0] instead of entering the four digit security code. The [✱] [0] command will NOT disarm the panel.

Door Chime Feature

The Door Chime feature provides a tone from the security station each time a monitored door or window is opened or closed. The zones which will activate the Door Chime must be programmed by your installer. The Door Chime only sounds while the system is in the disarmed state.

If zones have been programmed to initiate the Door Chime, you may enable or disable the feature. Start with the panel in the disarmed mode, press [✱] to enter the function list, then scroll to find "Door Chime".

```
Press (*) For   <>
Door Chime
```

Press [✱] or [4] to enable or disable the Door Chime feature.

When the command is entered, the keypad sounder will beep 3 times if the Door Chime is enabled and will sound one long beep if it is being disabled.

Press [#] to exit.

Alarm Test

The Alarm Test provides 2 second test of the keypad sounder and bell/siren. Start with the panel in the disarmed mode, press [✱] to enter the function list then scroll to find "User Functions". Press [6] to enter the USER FUNCTIONS, enter your Master Code and scroll to find..

```
Select Option
System Test
```

Press [✱] or [4] to perform a BELL TEST. The keypad will display the following message..

```
System Test
In Progress
```

Press [#] to exit.

Function Keys

Each keypad has 5 function keys which allow easy single button activation of the most commonly used features. If these keys have been enabled by your installation company, they can be activated by pressing and holding the keys for 2 seconds.

For information regarding the operation of the function keys, talk to your alarm installer.

Programming Security Codes

Master Code

The installer can program the system so that the Master Security Code can be changed by the user. If your system is set up to allow a changeable Master Code, follow the instructions below.

Start in the "Disarmed" mode and press the [✱] key to enter the "functions" list. Scroll < > to..

| Press (5) for...
Access Codes | Press [5] or [✱]. Display will read.. |

| Enter Master
Access Code... | Enter your current Master Code. Display will read.. |

| [✱] to Edit   < >
User Code   01P | Use the arrow keys (<>) to scroll to.. |

| [✱] to Edit   < >
User Code   40P | Press the [✱] key to select. Display will read.. |

| Enter New Code
1234 | Enter the new Master Code. The Master Code must be 4 digits. Enter digits 0 through 9 only. Once the new code is entered the keypad sounder will beep 3 times and the display will read.. |

| [✱] to Edit   < >
User Code   01P | Press [#] to exit. |

Remember to record your new Master Code on the System Information page in this booklet.

Additional Codes

Up to 32 additional User Codes may be programmed.

To erase, add or change a user code, press [✱] to enter the "functions" list. Scroll < > to..

| Press (5) for...
Access Codes | Press [5] or [✱]. Display will read.. |

| Enter Master
Access Code... | Enter Master Code. Display will read.. |

| [✱] to Edit   < >
User Code   01P | Use the scroll keys (< >) to find the access code you wish to add, change or delete. |

| Enter New Code
1234 | Once you have chosen the code you wish to alter, press the [✱] key to select. |

Use digits 0 through 9 only for programming codes

To Add: Enter 4 digit code.

To Change: Enter 4 digit code.

To Delete: Enter [*].

Note: Once the 4 digit code or [*] has been entered, the keypad sounder will beep 3 times. If the codes programmed, the display will read..

```
(*) to Edit      < >
User Code      01P
```

The "P" means the code has been programmed. If there is no "P" then that code is deleted.

Press [#] to exit. Remember to record your new code on the System Information page in this booklet.

Fire Alarm Operation

Alarm

The bell/siren will pulse.

The digital communicator transmission is delayed for 30 seconds. If the alarm is not acknowledged (silenced) within 30 seconds, the communicator will transmit to the monitoring station.

Silence

To silence the bell/siren press the [#] key.

If the alarm is silenced within 30 seconds, transmission to the monitoring station will be aborted.

If the alarm is silenced and the smoke detector is not reset, the alarm will resound after 90 seconds.

Reset

To restore the smoke detector to normal, press [*] to enter the "functions list". Scroll to find..

```
Press (*) For    < >
Output Control
```
Display will read..

```
Press (*) For    < >
Utility Output
```
Scroll to find..

```
Press (*) For    < >
Sensor Reset
```
and press the [*] key.

The panel will attempt to reset the smoke detector If the detector is clear of smoke the system will return to normal.

Note: If you suspect that the communicator has transmitted and there is no fire condition, call the monitoring station immediately to avoid an unnecessary response.

If a fire condition is apparent, follow your evacuation plan immediately. If the alarm sounds at night evacuate immediately.

Fire Safety in the Home

Most fires occur in the home and to minimize this danger it is recommended that a household fire safety audit be conducted and a family escape plan be developed.

Household Fire Safety Audit

1. Are all electrical appliances and outlets in a safe condition e.g. frayed cords, over-loaded lighting circuits? If you are uncertain about the condition of your electrical appliances or household service, have a professional evaluation.

2. Are all flammable liquids stored safely in closed containers in a well ventilated cool area? Cleaning with flammable liquids should be avoided.

3. Are fire hazardous materials (matches) well out of reach of children?

4. Are furnaces and wood burning appliances properly installed, clean and in good working order? Have a professional evaluation.

Family Escape Planning

There is often very little time between the detection of a fire and the time it becomes deadly. It is thus very important that a family escape plan be developed and rehearsed.

1. Every family member should participate in developing the escape plan.

2. Study the possible escape routes from each location within the house and since many fires occur at night, special attention should be given to the escape routes from sleeping quarters.

3. It is essential that escape from a bedroom be possible without opening the interior door. To facilitate such an escape:

- Make sure that doors and/or windows that open to the outside are easily opened. e.g. not painted shut.

- If opening the exit means, or simply making the exit may be too difficult for children, the elderly or handicapped, plans for rescue should be developed. This includes making sure that those who are to perform the rescue can promptly hear the fire warning signal.

- If the exit means is above the ground level, an approved fire ladder or rope should be provided as well as training in its use.

- Exits on the ground level should be kept clear, e.g. remove snow from exterior patio doors.

- The family should have a predetermined assembly point where everyone can be accounted for, e.g. across the street or at a neighbours.

- Once everyone is out of the house call the Fire Department.

- A good plan emphasizes quick escape. Do not investigate first or attempt to fight the fire and do not attempt to rescue valuables or pets as this takes up valuable time. Once outside, do not re-enter the house. Wait for the fire department.

- Write the plan down and rehearse frequently so that should an emergency arise, everyone will know what they are to do. Revise the plan as conditions change, e.g. more or fewer family member or changes to the house.

- Make sure your fire warning system is operational by conducting weekly tests as noted elsewhere in this manual. If you are unsure about system operation, contact your installing dealer.
- It is recommended that you contact your local fire department and request further information on home fire safety and escape planning. If available, have your local fire prevention officer conduct an in-house fire safety inspection.

Maintenance

With normal use, the system requires minimum maintenance. The following points should be observed.

1. Do not wash the security station with a wet cloth. Light dusting with a barely damp cloth should remove normal accumulations of dust.
2. The battery/bell test is designed to determine battery condition, however it is recommended that the stand-by batteries be replaced every three years.
3. For other system devices such as smoke detectors, passive infrared, ultrasonic or microwave motion detectors or glassbreak detectors, consult the respective manufacturer's literature for testing and maintenance.

Limited Warranty

Digital Security Controls Ltd. warrants that for a period of twelve months from the date of purchase, the product shall be free of defects in materials and workmanship under normal use and that in fulfilment of any breach of such warranty, Digital Security Controls Ltd. shall, at its option, repair or replace the defective equipment upon return of the equipment to its factory. This warranty applies only to defects in parts and workmanship and not to damage incurred in shipping or handling, or damage due to causes beyond the control of Digital Security Controls Ltd. Such as lightning, excessive voltage, mechanical shock, water damage, or damage arising out of abuse, alteration or improper application of the equipment.

The foregoing warranty shall apply only to the original buyer, and is and shall be in lieu of any and all other warranties, whether expressed or implied and of all other obligations or liabilities on the part of Digital Security Controls Ltd. This warranty contains the entire warranty. Digital Security Controls Ltd. neither assumes, nor authorizes any other person purporting to act on its behalf to modify or to change this warranty, nor to assume for it any other warranty or liability concerning this product.

In no event shall Digital Security Controls Ltd. be liable for any direct or indirect or consequential damages, loss of anticipated profits, loss of time or any other losses incurred by the buyer in connection with the purchase, installation or operation or failure of this product.

Warning

Digital Security Controls Ltd. recommends that the entire system be completely tested on a regular basis. However, despite frequent testing, and due to, but not limited to, criminal tampering or electrical disruption, it is possible for this product to fail to perform as expected.