WARNING

This manual contains information on limitations regarding product use and function and information on the limitations as to liability of the manufacturer. The entire manual should be carefully read.
**WARNING, Please Read Carefully**

This warning contains vital information. As the only individual in contact with the system, you are requested to bring each item in this warning to the attention of the users of this system.

**System Failures**

This system has been carefully designed to be as effective as possible. There are, however, certain other types of emergencies where it may not provide protection. Any alarm system of any type has its limitations, and is not designed for, or expected to protect for a variety of reasons. Not all of these may be as follows:

- **Inadequate Installation**
  Security system must be installed properly in order to provide adequate protection. Every installation should be evaluated by a security professional to ensure that all access points and areas are covered. Locks and latches on windows and doors must be secure and operate as intended. Windows, doors, gates and other access points must be properly reinforced and construction to provide the level of protection expected. A reevaluation must be done during and after any construction activity. An evaluation by the local or police department is highly recommended if this service is available.

- **Critical Knowledge**
  Many security systems do not always work as expected when there are circumstances where there is insufficient warning to allow all occupants to escape in time, or unfamiliarity with the correct operation. It is important that all users be aware of the system operation and are trained to respond when the system indicates an alarm.

- **Motor Detection**
  Motion detectors may detect only motion within the designated areas as shown in their respective installation instructions. They cannot discriminate between intruders and intended occupants. Motion detectors do not provide volumetric area protection. They have multiple beams of detection and may be activated by persons in or outside of the system's field of view. These beams cannot detect motion which occurs behind walls, ceilings, or other obstructions. Some forms of tampering with the system may reduce the expected battery life. While each transmitting device operates from batteries, it is possible for the batteries to fail. Even if the battery indicator does not operate, the system may not be heard by a hearing-impaired person.

- **Access by Intruders**
  Sometimes unauthorized persons may be able to enter a building, a garage or some other part of the system's domain. Under these circumstances, the system may not detect a person entering or leaving the building.

- **Power Failure**
  Security systems that do not use batteries are not designed to protect against power failures. The use of batteries is designed to provide additional protection for a short period of time. Power failures may cause the system to become inoperative.

- **Failure of Rechargeable Batteries**
  These systems without batteries have been designed to provide several years of service from the rechargeable batteries. The expected battery life is a function of the device, environment, usage and type. Ambient conditions such as temperature and humidity, can affect the life of the batteries. Misuse or non-use of the batteries may result in shortened battery life. Batteries may be replaced by slow discharging, or the system may be turned off until it is replaced.

- **Insufficient Service**
  There may be circumstances when the system will operate as intended, yet the response is not always as one would expect. This may be due to the limitations of the system, the environment in which it is installed or the use to which it is put.

- **Component Failure**
  Although every effort has been made to make this system as reliable as possible, there is always the possibility of a component failure due to its failure or damage to the system. Each component may be inspected and replaced, and we will keep the system in good operating condition.

- **Compromise of Radio Frequency (Wireless)**
  Signals may not reach the receiver under all circumstances which could interfere with the system's operation. The expected security system may not respond to an unauthorized user, or be vulnerable to jamming or deliberate jamming or other interference.

- **System Users**
  The system is not designed to operate a panic or emergency switch capable of temporary or permanent physical disability, inability to reach the device to be disabled, or disability due to their failure to respond to the warnings in a timely manner. If the system is monitoring a building that contains a limited area fire suppression system, the system should be turned off until the fire suppression system is turned off, and the area is evacuated. A security system is not intended to be used as a substitute for any other fire suppression system.

- **Security and Insurance**
  Regardless of its capabilities, an alarm system is not a substitute for property or liability insurance. An alarm system is not designed to protect property owners, renters, or other occupants to assist in protecting or maintain the harmful effects of an emergency situation.

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**Smoke Detectors**

Smoke detectors that are a part of this system may not properly alert occupants of a fire, even if they are present, for many reasons, such as the location of the detectors may have been improperly installed or positioned. Smoke may not be able to reach the smoke detectors, or may be blocked by obstructions such as drapes or other closed doors. Smoke detectors may not detect smoke from a fire of a type that causes the smoke to be invisible to the human eye.

Every fire is different in the amount of smoke produced and the rate of burning. Smoke detectors cannot sense all types of fires equally well. Smoke detectors are not designed to detect heat waves, or smoke heat waves, or smoke caused by careless or hazardous smoking. The smoking causes the smoke detectors to be too sensitive. This may not be the case in the detection area. Some of these areas may be too low to be detected by the smoke detectors.

- **Signaling or Other Inadvertent Radio Signal Interference**
  Signals may not reach the receiver under all circumstances which could reduce the system's ability to respond when the system indicates an alarm. It is important that all users be aware of the system's signaling or other inadvertent radio signal interference.

- **Radio Frequency (Wireless)**
  This system's wireless transmitters have been designed to provide several years of service from the rechargeable batteries. The expected battery life is a function of the device, environment, usage and type. Ambient conditions such as temperature and humidity, can affect the life of the batteries. Misuse or non-use of the batteries may result in shortened battery life.

- **System Failures**
  After a power interruption has occurred, immediately conduct a complete inspection of the system to determine if any component or device may be malfunctioning. This system's wireless transmitters have been designed to provide several years of service from the rechargeable batteries. The expected battery life is a function of the device, environment, usage and type. Ambient conditions such as temperature and humidity, can affect the life of the batteries. Misuse or non-use of the batteries may result in shortened battery life. While each transmitting device operates from batteries, it is possible for the batteries to fail. Even if the battery indicator does not operate, the system may not be heard by a hearing-impaired person.

- **Access by Intruders**
  Sometimes unauthorized persons may be able to enter a building, a garage or some other part of the system's domain. Under these circumstances, the system may not detect a person entering or leaving the building.

- **Power Failure**
  Security systems that do not use batteries are not designed to protect against power failures. The use of batteries is designed to provide additional protection for a short period of time. Power failures may cause the system to become inoperative.

- **Failure of Rechargeable Batteries**
  These systems without batteries have been designed to provide several years of service from the rechargeable batteries. The expected battery life is a function of the device, environment, usage and type. Ambient conditions such as temperature and humidity, can affect the life of the batteries. Misuse or non-use of the batteries may result in shortened battery life. Batteries may be replaced by slow discharging, or the system may be turned off until it is replaced.

- **Insufficient Service**
  There may be circumstances when the system will operate as intended, yet the response is not always as one would expect. This may be due to the limitations of the system, the environment in which it is installed or the use to which it is put.

- **Component Failure**
  Although every effort has been made to make this system as reliable as possible, there is always the possibility of a component failure due to its failure or damage to the system. Each component may be inspected and replaced, and we will keep the system in good operating condition.

- **Compromise of Radio Frequency (Wireless)**
  Signals may not reach the receiver under all circumstances which could interfere with the system's operation. The expected security system may not respond to an unauthorized user, or be vulnerable to jamming or deliberate jamming or other inadvertent radio signal interference.

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**FCC COMPLIANCE STATEMENT**

The security control equipment, the smoke detector, the motion detector, and the water leak detector are manufactured by Security Controls Ltd.

The security control equipment, the smoke detector, the motion detector, and the water leak detector are intended to comply with the limits for Class B digital devices, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, it is recommended that the user try to correct the interference by one or more of the following measures:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and the receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio/TV technician for help.

**ADDITIONAL SAFETY INFORMATION**

The security control panel must be properly connected to the telephone line with a USOC RJ-11 male modular jack. The FCC prohibits customer-provided terminal equipment to be connected to terminal lines to be used in conjunction with coin telephone service. Interruption rules may be subject to change without notice.

**CHANGES IN TELEPHONE COMPANY EQUIPMENT OR FACILITIES**

The telephone company may change, improve or modify its equipment or operations, procedures or services, or in some cases, change the telephone company equipment, after the telephone company accepts a customer's order for the telephone service, or the telephone company may temporarily disconnect service if such action is deemed necessary to maintain uninterrupted service.

**RINGER EQUALIZER NUMBER (REN)**

The REN is used to determine if the sum of the Ringer Equivalence Number of all the devices does not exceed 5. To determine the sum of the Ringer Equivalence Number of all the devices, the customer must add the sum of the Ringer Equivalence Number of all the devices that are connected to the telephone line. The sum of the Ringer Equivalence Numbers of all the devices connected to the telephone line must be less than or equal to 5.

**NOTIFICATION TO TELEPHONE COMPANY**

The customer shall notify the telephone company of the particular line to which the connection will be made. The customer shall notify the telephone company of the telephone number at which the customer can be reached if the telephone company must make a service call.

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**NOTICE:** The Industry Canada label identifies certified equipment. This certification indicates that the equipment meets certain standards of radio protection, operational and safety requirements. Industry Canada does not guarantees any interference will not occur in all installations. Although it is not the responsibility of Industry Canada to ensure the user can be connected to the facilities of the local telecommunications company, the user should be aware that adherence to the following guidelines can improve the chance of successful installation.

The customer should be aware that the above conditions may not be possible in all installations using an acceptable method of connection.

- **Use of Registered Equipment**
  Any equipment not meeting the requirements of Industry Canada must be registered by the manufacturer before it can be connected to the local telephone network. Repairs to certified equipment should be made only by an authorized Canadian manufacturer or a Canadian distributor of that manufacturer.

- **Use of Accessories and Modifications**
  The user should be aware that any accessories or modifications not approved by the manufacturer of the certified equipment may result in the user's authority to use this equipment being revoked. A security system is not a substitute for property insurance. It is important that all users be aware of the system's signaling or other inadvertent radio signal interference.

- **Warranty for Kinds of Losses**
  A security system is not a substitute for property insurance. It is important that all users be aware of the system's signaling or other inadvertent radio signal interference.
About Your Security System

Your DSC security equipment has been designed to provide you with the greatest possible flexibility and convenience. Read this manual carefully and have your installer instruct you on your system's operation and on which features have been implemented in your system. All users of this system should be equally instructed in its use. Fill out the “System Information” page with all of you zone information and access codes 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 if a fire condition is detected. Good fire detection depends on having adequate number of detectors placed in appropriate locations. This equipment should be installed in accordance with N.F.P.A. standard #72. (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 will work.

Testing
To insure that your system continues to function as intended, you must test your system weekly. Please refer to “Testing Your System” on page 13 of 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 keypads and various sensors and detectors. The control panel will be mounted out of the way in a utility closet or in a 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 professional to have access to the control panel.

All the keypads have an audible indicator and command entry keys. The LED keypads have a group of zone and system status lights. The LCD keypad has an alphanumeric liquid crystal display (LCD). The keypad is used to send commands to the system and to display the current system status. The keypad(s) will be mounted in a convenient location inside the protected premises close to the entry/exit door(s).

The security system has several zones of area protection and each of these zones will be connected to one or more sensors (motion detectors, glassbreak detectors, door contacts, etc.). A sensor in alarm will be indicated by the corresponding zone lights flashing on a LED keypad or by written messages on the LCD keypad.

IMPORTANT NOTICE

A security system cannot prevent emergencies. It is only intended to alert you and – if included – your monitoring station 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 operations.
System Information

Fill out the following information for future reference and store this manual in a safe place.

Access Codes

Your Master Code is: __________________________________________

Additional Access Codes:

01 ______________ 02 ______________ 03 ______________ 04 ______________ 05 ______________ 06 ______________ 07 ______________ 08 ______________

09 ______________ 10 ______________ 11 ______________ 12 ______________ 13 ______________ 14 ______________ 15 ______________ 16 ______________

17 ______________ 18 ______________ 19 ______________ 20 ______________ 21 ______________ 22 ______________ 23 ______________ 24 ______________

25 ______________ 26 ______________ 27 ______________ 28 ______________ 29 ______________ 30 ______________ 31 ______________ 32 ______________

Zone Information

There are ______ active zones on the system.

<table>
<thead>
<tr>
<th>Zone</th>
<th>Protected Area</th>
<th>Zone Type</th>
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<tbody>
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</table>
FIRE
[AUXILIARY]
[PANIC]

The Exit Delay Time is ______ seconds.
The Entry Delay Time is _____ seconds.

For Service

Central Station Information:
Account #: ____________________________  Telephone #: ____________________________

Installer Information:
Company: ____________________________  Telephone #: ____________________________
Access Codes

Access codes are used to arm and disarm the system. There are 37 access codes available: 1 master code, 32 regular access codes, 2 duress codes and 2 supervision codes. Ask your installer for more information on using the duress and supervision codes.

Only the Master Code can be used to program additional security codes and to change other system features as well as to arm and disarm the security system. The Master Code will be supplied to you by your installer. All keypad entries are made by pressing one key at a time.

All access codes can be programmed by following the procedure outlined in “Programming Security Codes” on page 7.

Arming the System

Arming from an LED Keypad:

If the Ready light is ON, the system is ready for arming. If the Ready light is OFF, check to see that all doors and windows are closed and that motion is stopped in areas covered by motion detectors. The system cannot be armed unless the Ready light is ON indicating that all zones are closed and the system is in the Ready state.

Enter your access code. As each digit is entered, the keypad sounder will beep. If the access code was entered incorrectly, the keypad buzzer will sound steadily for one second. If this occurs, press the [#] key and re-enter your access code. If the correct access code is entered, the keypad sounder will beep quickly and the Armed light will come ON. Exit the premises through the door indicated by your installer as the Exit/Entry door.

The panel will provide an exit delay period, indicated by keypad beeps, for you to exit the premises without causing an alarm. At the end of the exit delay period, all keypad lights, except the Armed light, will turn OFF and the system will be armed. You can restart the exit delay once by pressing the Away button before the exit delay expires. The exit delay time can be changed by your installer.

Arming from an LCD Keypad:

When this message appears, one or more zones are not secured. To secure the system, close all doors and windows and cease all motion in areas covered by motion detectors.

When this message appears, use the arrow (< >) keys to verify that the system is clear of troubles and that no zones are bypassed unintentionally (see “Viewing Trouble Conditions” and “Zone Bypassing” on page 11).

If this display is showing, the system is in the Ready state and may be fully armed. To arm the system, enter your access code.

Once the correct access code has been entered, the display will be as shown. The panel will provide an exit delay period, also indicated by keypad beeps, for you to exit the premises without causing an alarm. You can restart the exit delay once by pressing the Away button before the exit delay expires. Exit through the door indicated by your installer as the Exit/Entry door.

This message will be displayed once the exit delay expires and the system is fully armed.

If this message appears, be aware of which zones are bypassed and why (see “Zone Bypassing” on page 11). NOTE: If you arm the system with a zone bypassed or with a trouble present, your security protection is reduced.
Alternate Arming Methods

Away Arming
Arming the system in the Away mode will have all interior zones and perimeter zones active. If motion is detected in the interior zones, or if one of the perimeter zones is violated, the alarm sequence will begin.

To arm in the Away mode, enter your access code and exit the premises through a designated Exit/Entry door. The system will recognise that occupants have left the premises. Once the exit delay expires, the system will be fully armed.

You can restart the exit delay once by pressing the Away button before the exit delay expires.

Audible Exit Fault
In an attempt to reduce false alarms, the Audible Exit Fault is designed to notify you of an improper exit when arming the system in the Away mode. In the event that you fail to exit the premises during the allotted exit delay period, or if you do not securely close the Exit/Entry door, the system will notify you that it was improperly armed in two ways: the keypad will emit one continuous beep and the bell or siren will sound. If this occurs, you must re-enter the premises, enter your access code to disarm the system, and then follow the arming procedure again, making sure to exit the premises in the proper fashion.

Stay Arming
This feature, if enabled by your installer, will allow you to arm the perimeter zones while leaving the interior zones inactive so that you can remain on the premises while the system is armed.

When you enter your security code to arm the system and do not exit the premises through a designated Exit/Entry door, the system will arm in the Stay mode, automatically bypassing the interior zones.

The interior zones can be reactivated at any time by entering [✱][1] at any keypad. If you reactivate the interior zones, be sure to only inhabit areas not covered by motion detectors. To access areas protected by motion sensors, you must enter your security code and disarm the system.

Arming Without Entry Delay
If you wish to arm your system without the entry delay, enter [✱][9] then your access code. The Armed light will flash as a reminder that the system is armed and has no entry delay. An entry through any zone programmed as a delay zone will create an instant alarm.

Quick Arm
When the Quick Arm feature is enabled, the system may be armed by simply pressing [✱][0] instead of your access code. Please note that pressing [✱][0] will only allow you to arm the system; to disarm, you must enter a valid access code. Your installer will inform you if the Quick Arm feature has been enabled on your system.

Quick Exit
When the Quick Exit feature is enabled, pressing [✱][0] while the system is armed will provide a two minute window for you to exit the premises. During this time, you may only open and close the designated Entry/Exit door once. Once the door is closed, the panel will end the two minute quick exit delay. If the door is opened again, or if the door is not closed after two minutes, or if another zone is opened, the panel will begin the entry delay. Your installer will inform you if the Quick Exit feature has been enabled on your system.
Disarming the System

Disarming from an LED Keypad:
Enter the premises through a designated Exit/Entry door; entering by any other door will sound an immediate alarm. As soon as the Exit/Entry door is opened, the keypad will beep to indicate that the system should be disarmed. Go to the keypad and enter your access code. **If an error is made entering the code, re-enter your code correctly.** As soon as the correct code is entered, the Armed light will go out and the keypad will stop beeping.
The correct access code must be entered before the entry delay period expires. If a valid access code is not entered during this time, the system will go into alarm. The entry time delay may be changed by your installer.
If an alarm occurred while the system was armed, the Memory light (or System light on a PC1555RKZ keypad) and the zone light corresponding to the zone which caused the alarm will flash for 30 seconds. After the 30 second period, the Memory (or System) light and zone light will stop flashing and the panel will return to the Ready state. Pressing the [#] key during the 30 second period will cancel the alarm memory display. To view other alarms, press [*][3].
If a trouble was detected when the panel is disarmed, the Trouble light (or System light on a PC1555RKZ keypad) will turn ON (See “Viewing Trouble Conditions” on page 11 to determine the source of the trouble.) Please note that troubles will not display while the system is in the Alarm Memory Display mode.

Disarming from an LCD Keypad:
Upon entering through a designated Exit/Entry door, the keypad will beep and the entry delay will commence, reminding you to disarm the system. The keypad will display the following message...

- **Entry Active**
- **Enter Your Code**

Enter your access code. **If an error is made in entering the code, re-enter the code correctly.** When a valid access code is entered, the keypad will stop beeping. If no alarms occurred while the panel was armed, and there are no troubles, the display will read...

- **System Disarmed**
- **No Alarm Memory**

After about five seconds, the system will return to the Ready state and the display will read...

- **View Memory <>**
- **“Zone of Alarm”**

If an alarm occurred while the system was armed, this message will be displayed. Use the arrow (< >) keys to view which zones caused the alarm. If a zone is still in alarm, the display will show the following message to indicate that a zone is open...

- **Secure System**
- **Before Arming <>**

Upon disarming and if a trouble is present, this message will be displayed. Use the arrow (< >) keys to view which troubles are affecting the system (see “Viewing Trouble Conditions” on page 11).

**NOTE:** If you return and find that an alarm has occurred while you were away, it is possible that an intruder may still be on the premises. Go to a neighbour’s house, and call the local police to investigate.
The alarm memory is cleared each time the panel is armed so that any alarms showing are alarms that occurred only during the last armed period.
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 “Fire Escape Planning” on page 15).

**Intrusion Alarm**
If an intrusion alarm sounds, indicated by a continuous Bell or Siren, the alarm may be silenced by entering your access code. If the alarm was unintentional, call local authorities immediately to avoid an unnecessary response.

You can determine the source of the alarm by following the instructions in the “Disarming” section (see page 6). Once the source of the alarm has been corrected, the panel can be restored to its original Armed state.

**NOTE: A fire alarm has priority over a burglary type alarm.**

Function Keys
The PC5508Z, PC5516Z, PC5532Z and LCD5500Z keypads have five function keys – marked Stay, Away, Chime, Reset and Exit – which allow easy single-button activation of the most commonly used features. *If these keys have been enabled by your installer, you can execute the programmed function by pressing and holding the corresponding key for two seconds. Corresponding function keys on the PC1555RKZ are number keys 1 to 5 respectively.*

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

Programming Security Codes

**Programming codes from an LED Keypad:**

**The Master Code**
To program the Master Code, enter [✱][5][current Master Code][40][new Master Code]. The Master Code must be four digits unless otherwise indicated by your installer. Enter digits 0 through 9 only. Press [#] to return to the Ready state.

Be sure to record your new Master Code on the “System Information” page in this booklet. **NOTE: We recommend that the factory default or obvious codes such as [1111] or [1234] not be used.**

**Additional Codes**
Up to 32 additional access codes (01 through 32) may be programmed.

**To program a new code:**
Enter [✱][5][Master Code][code number 01 to 32][new access code]. The code number is a double digit from 01 to 32. Access codes must be four digits unless otherwise indicated by your installer. Enter digits 0 through 9 only. Press [#] to return to the Ready state.

If an access code already exists for the code number you have selected, it will be replaced by the new code. Be sure to record your new code(s) on the “System Information” page in this book.

**To erase a code:**
Enter [✱][5][Master Code][code number 01 to 32][✱]. Press [#] to return to the Ready state. **The Master code cannot be erased.**
The Liquid Crystal Display (LCD) displays prompts and system information on two 16 character lines. If "< >" appears, more information can be accessed by using the arrow (< >) keys. Press [>] to advance the display to next function or item of information.

Press the keys on the number pad as prompted by the LCD display to view alarms or troubles, to arm and disarm the system and to bypass zones.

To exit a function and return to the Ready state, press [#].

To select a function press [✱].

The PC516, PC516Z, PC532 and PC532Z Keypads are available for applications with more than 8 zones. The functions explained in this manual are the same for all three LED keypad types.

Important Note: Test system weekly and have any system trouble conditions corrected by your alarm installer.
The Liquid Crystal Display (LCD) displays prompts and system information on two 16 character lines. If "< >" appears, more information can be accessed by using the arrow (< >) keys. Press [>] to see the previous function or item of information. Press [<] to advance the display to next function or item of information.

Press the keys on the number pad as prompted by the LCD display to view alarms or troubles, to arm and disarm the system and to bypass zones.

To exit a function and return to the Ready state, press [#]. To select a function press [✱].

The Liquid Crystal Display (LCD) displays prompts and system information on two 16 character lines. If "< >" appears, more information can be accessed by using the arrow (< >) keys. Press [>] to see the previous function or item of information. Press [<] to advance the display to next function or item of information.

Press the keys on the number pad as prompted by the LCD display to view alarms or troubles, to arm and disarm the system and to bypass zones.

To exit a function and return to the Ready state, press [#]. To select a function press [✱].

Important Note: Test system weekly and have any system trouble conditions corrected by your alarm installer.
Programming codes from an LCD Keypad:  

Master Code
Press the [✱] key to enter the function list. Scroll (< >) to...

Press [5] or [✱]. The display will read...

Enter your current Master Code. The display will read...

“40P” represents the Master Code. Press the [✱] key to indicate that you wish to program the Master Code. The display will read...

Enter the new Master Code. The Master Code must be four digits unless otherwise indicated by your installer. Enter digits 0 through 9 only. Once the new code is entered, the keypad will beep 3 times and the display will read...

Press [#] to exit the code programming function.

Be sure to record your new Master Code on the “System Information” page in this booklet. **NOTE: We recommend that the factory default Master Code [1234] not be used.**

Additional Access Codes
To erase, add or change a user code, press [✱] to enter the functions list. Use the arrow (< >) keys to scroll to the following message...

Press [✱]. Display will read...

Enter the Master Code. Display will read...

Use the scroll keys (< >) to find the access code – indicated by “02P” to “32P” – you wish to add, change or delete. Press the [✱] key to select the code you wish to alter. The display will read...

To add or change a code, enter the new code. Access codes must be four digits unless otherwise indicated by your installer. Enter digits 0 through 9 only. To delete an access code, enter [✱]. Once the 4 digit code or [✱] has been entered, the keypad sounder will beep 3 times and the display will read...

The “P” means the code has been programmed. If there is no “P” then that code is deleted. Press [#] to exit the code programming function. **The Master code cannot be erased.**

Remember to record your new code(s) on the “System Information” page in this booklet.
Zone Bypassing

The zone bypassing function is used when access is needed to part of the protected area while the system is armed. Zones which are temporarily out of service due to damaged wiring or contacts may be bypassed to allow system arming until repairs can be made.

Bypassed zones will not cause an alarm. Zones cannot be bypassed once the system is armed. Bypassed zones are automatically cancelled each time the system is disarmed and must be reapplied before the next arming.

NOTE: For security reasons, your installer may program the system to prevent you from bypassing certain zones.

Bypassing zones reduces your security protection. If you are bypassing a zone due to damaged wiring or contacts, please call a service technician immediately so that the problem can be resolved and your system returned to proper working order.

Make sure that no zones are unintentionally bypassed when arming your system.

To bypass zones from an LED keypad:

Start with the system in the Ready state. Enter [✱][1][Zone(s) to be bypassed]. Enter the zone(s) as a two-digit number from 01 to 32. As each zone is bypassed, the corresponding zone light will turn ON. If a zone is bypassed by mistake, enter that zone number again; the zone light will turn OFF, indicating that the zone is not bypassed. Press [#] to return to the Ready state.

To bypass zones from an LCD keypad:

To bypass a zone, the system must be in the Ready state. The display will read...

Press the [✱] key to enter the functions menu. The display will read...

Press the [✱] key to enter the zone bypassing mode. The display will read...

Use the arrow (< >) keys to find the zone to be bypassed and press the [✱] key to select it. The display will read...

“B” will appear on the display to show that the zone is bypassed. To unbypass a zone, enter the zone number; the “B” will disappear from the display to show that the zone is no longer bypassed.

This display will be shown if a zone was open when you entered the bypassing command. The open zone will be represented by “O”. If you bypass the open zone, the “O” will be replaced by a “B”.

To exit the bypassing mode and return to the Ready state, press the [#] key.

Viewing Trouble Conditions

The control panel continuously monitors a number of possible trouble conditions. If one of these trouble conditions occur, the keypad will beep twice every 10 seconds until you press any key on the keypad.

NOTE: A TROUBLE condition reduces the security your system is designed to provide. Call your installing company for service.
To view troubles from an LED Keypad:
A trouble will be indicated by the Trouble light (or System light on a PC1555RKZ keypad) which will remain ON until the trouble condition is cleared. If you cannot determine the cause of the trouble condition, contact your installer for assistance.

To view the type of trouble condition, press [*][2]. One or more zone lights will turn ON, indicating the various trouble conditions:

<table>
<thead>
<tr>
<th>ZONE LIGHT</th>
<th>TYPE OF TROUBLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Service required. Call your installation company for service.</td>
</tr>
<tr>
<td>2</td>
<td>Indicates the loss of AC power. When this trouble occurs, the Trouble (or System) light will turn ON but keypad buzzer will not sound.</td>
</tr>
<tr>
<td>3</td>
<td>Telephone line trouble.</td>
</tr>
<tr>
<td>4</td>
<td>The panel has failed to communicate with the central station.</td>
</tr>
<tr>
<td>5</td>
<td>Zone fault. Press [5] and the zone light(s) corresponding to the faulted zones will turn ON.</td>
</tr>
<tr>
<td>6</td>
<td>Zone tamper. Press [6] and the zone light(s) corresponding to the tampered zones will turn ON.</td>
</tr>
<tr>
<td>7</td>
<td>Low zone battery. This trouble is generated when a wireless device exhibits a low battery condition. Press [7] one, two, or three times to view which devices are experiencing battery failure. The following will occur:</td>
</tr>
<tr>
<td></td>
<td>Keypad beeps: Keypad displays:</td>
</tr>
<tr>
<td></td>
<td>Press [7] 1 Zones with low batteries (LED keypad - zone lights 1 to 8)</td>
</tr>
<tr>
<td></td>
<td>Press [7] again 2 Handheld keypads with low batteries (LED keypad - zone lights 1 to 4)</td>
</tr>
<tr>
<td></td>
<td>Press [7] again 3 Wireless keys with low batteries (LED keypad - zone lights 1 to 8). To view the battery conditions of wireless keys 9 through 16, you must be at an LCD keypad.</td>
</tr>
<tr>
<td>8</td>
<td>Loss of time on system clock. To set the system time, following the instructions in “Setting System Date and Time” on page 12.</td>
</tr>
</tbody>
</table>

To view troubles from an LCD Keypad:
From the Ready state, use the arrow (< >) keys to scroll to the following message.

```
System Trouble (*2) to View <>
```
Press [*] [2] key to view the trouble. The message will read...

```
View Trouble <> “Trouble Message”
```
Use the arrow (< >) keys to view which troubles are present on the system. Once you have scrolled through the list of troubles, press the [#] key to exit the Trouble Viewing mode and return to the Ready state.

Setting the System Date and Time
To set the system time, enter [*] [6] followed by the Master Code. Press [1]. The keypad will now accept 10 consecutive digits:

• Enter the Time in Hours and Minutes using the 24 Hour format (00:00 to 23:59).
• Enter the Date in Months, Days and Years (MM DD YY).

NOTE: If you have an LCD keypad, your installer may have programmed your system to display the time and date while the keypad is idle. If this is the case, you may have to press the [#] key to clear the date and time before entering an access code to arm the system, or before performing any other keypad function.
Testing Your System

**Alarm Test**
The Alarm Test provides two second test of the keypad sounder and bell or siren. Begin with the panel in the Ready state.

From an LED keypad, Enter [✱][6][Master Code][4] then press [#] to return to the Ready state.

From an LCD keypad, press [✱] to enter the functions list. Use the arrow (< >) keys to scroll to find “User Functions” and press [✱] to select. Enter your Master Code and scroll to find the following message...

```plaintext
Press [✱] to perform an Alarm Test. The keypad will display the following message...
```

Press [#] to return to the Ready state.

**Full System Test**
We recommend that you test your system weekly. Should the system fail to function properly, call your installation company immediately for service.

**NOTE:** Perform system tests during off-peak hours, such as early morning or late evening.

1. Inform the monitoring station that you are testing your system.
2. Begin with the system in the Ready state.
3. Perform a Bell/Battery test by pressing [✱][6][Master Code][4]. The bell and keypad buzzer will sound for two seconds and all keypad lights will turn ON. Press [#] to exit.
4. Activate each sensor in turn (e.g. open a door/window or walk in motion detector areas).
   - From an LED keypad, observe the zone light turn ON when the zone is activated. The zone light will turn OFF when the system restores to normal (i.e. door or window closed).
   - From an LCD keypad, the following message will be displayed when each zone is activated...
     ```plaintext
     Use the arrow (< >) keys to view which zone is open. This message will disappear when the zone is restored.
     ```
5. If the panel has any fire zones, activation will cause the alarm signal to sound in a pulsed mode.
   **CAUTION:** Do not use an open flame or burning materials to test a smoke or heat detector.
   Contact your installer for information on safe methods of testing detectors.
6. When testing is complete, call and advise the monitoring station. Should the system fail to function properly, contact your installer.

**NOTE:** Some features described above will not be functional unless enabled by your installer. Please ensure that your installer has advised you which features are functional on your system.

**Door Chime Feature**
The door chime feature is used to provide a tone from the keypad each time a door or window is opened or closed. The doors and windows which will provide this indication are programmed by your installer.

**To activate the door chime from an LED Keypad:**
Enter [✱][4] to turn the door chime feature ON and OFF. When the command is entered, the keypad buzzer will beep 3 times if the door chime feature is enabled and will sound one long beep if it is disabled.
To activate the door chime from an LCD Keypad:
Press [*] to enter the function list, then scroll to find...

Press (*) For<> Door Chime

Press [*] or [4] to enable or disable the Door Chime feature. Press [#] to return to the Ready state.

Fire Alarm Operation

Alarm
On a fire alarm, the bell or siren will pulse ON and OFF. The transmission of the alarm to the monitoring station is delayed for 30 seconds. If the alarm is not cleared within the 30 second delay, the it will be transmitted to the monitoring station.

Silence
To silence the bell or siren, press the [#] key. If the alarm is silenced and the smoke detector is not reset, the alarm will resound after 90 seconds.

Resetting Smoke Detectors
Once the smoke detector is reset, if it still detects smoke, the alarm sequence will resound as described above. If there is no smoke, the system will return to normal.

To reset smoke detectors from an LED Keypad:
Press [*][7][2].

To reset smoke detectors from an LCD Keypad:
Press [*] to enter the function list. Scroll to find:

Press (*) For <> Output Control
Select Output <> Command O/P 2

Press [*] to select the output control. The display will read...

Use the arrow (< >) keys to find the following message and press the [*] key to select...

NOTE: If you suspect that a fire alarm has transmitted and that there is no fire condition, call the monitoring station to avoid an unnecessary response. If a fire condition is apparent, follow your evacuation plan immediately. If the alarm sounds at night, evacuate immediately.

NOTE: The description above may not be applicable depending on how your installer has programmed the fire alarm operations on your system. Ask your installer for more information regarding your system's operation.

Household Fire Safety Audit
Most fires occur in the home. To minimize this danger, we recommend that a household fire safety audit be conducted and a fire escape plan be developed.

1. Are all electrical appliances and outlets in a safe condition? Check for frayed cords, overloaded lighting circuits, etc. If you are uncertain about the condition of your electrical appliances or household service, have a professional evaluate these units.

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 evaluate these appliances.
Fire 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. Since many fires occur at night, special attention should be given to the escape routes from sleeping quarters.
3. Escape from a bedroom must be possible without opening the interior door.

Consider the following when making your escape plans:

- Make sure that all perimeter doors and windows are easily opened. Ensure that they are not painted shut, and that their locking mechanisms operate smoothly.
- If opening or using the exit is 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 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. Be sure to remove snow from exterior patio doors in winter; outdoor furniture or equipment should not block exits.
- Each person should know of a predetermined assembly point where everyone can be accounted for i.e.: across the street or at a neighbour's house. Once everyone is out of the building, call the Fire Department.
- A good plan emphasizes quick escape. Do not investigate or attempt to fight the fire, and do not gather belongings or pets as this wastes valuable time. Once outside, do not re-enter the house. Wait for the fire department.
- Write the fire escape plan down and rehearse it frequently so that should an emergency arise, everyone will know what to do. Revise the plan as conditions change, such as the number of people in the home, or if there are changes to the building’s construction.
- Make sure your fire warning system is operational by conducting weekly tests (see “Fire Alarm Operation” on page 14). If you are unsure about system operation, contact your installing dealer.
- We recommend that you contact your local fire department and request further information on 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 slightly moistened cloth should remove normal accumulations of dust.
2. The battery/bell test is designed to determine battery condition. We recommended, however, 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 the original purchaser 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. During the warranty period, Digital Security Controls Ltd. shall, at its option, repair or replace any defective product upon return of the product to its factory, at no charge for labour and materials. Any replacement and/or repaired parts are warranted for the remainder of the original warranty or ninety (90) days, whichever is longer. The original owner must promptly notify Digital Security Controls Ltd. in writing that there is defect in material or workmanship, such written notice to be received in all events prior to expiration of the warranty period.

International Warranty

The warranty for international customers is the same as for any customer within Canada and the United States, with the exception that Digital Security Controls Ltd. shall not be responsible for any customs fees, taxes, or VAT that may be due.

Warranty Procedure

To obtain service under this warranty, please return the item(s) in question to the point of purchase. All authorized distributors and dealers have a warranty program. Anyone returning goods to Digital Security Controls Ltd. must first obtain an authorization number. Digital Security Controls Ltd. will not accept any shipment whatsoever for which prior authorization has not been obtained.

Conditions to Void Warranty

This warranty applies only to defects in parts and workmanship relating to normal use. It does not cover:

• damage incurred in shipping or handling;
• damage caused by disaster such as fire, flood, wind, earthquake or lightning;
• damage due to causes beyond the control of Digital Security Controls Ltd. such as excessive voltage, mechanical shock or water damage;
• damage caused by unauthorized attachment, alterations, modifications or foreign objects;
• damage caused by peripherals (unless such peripherals were supplied by Digital Security Controls Ltd.);
• defects caused by failure to provide a suitable installation environment for the products;
• damage caused by use of the products for purposes other than those for which it was designed;
• damage from improper maintenance;
• damage arising out of any other abuse, mishandling or improper application of the products.

Digital Security Controls Ltd.’s liability for failure to repair the product under this warranty after a reasonable number of attempts will be limited to a replacement of the product, as the exclusive remedy for breach of warranty. Under no circumstances shall Digital Security Controls Ltd. be liable for any special, incidental, or consequential damages based upon breach of warranty, breach of contract, negligence, strict liability, or any other legal theory. Such damages include, but are not limited to, loss of profits, loss of the product or any associated equipment, cost of capital, cost of substitute or replacement equipment, facilities or services, down time, purchaser’s time, the claims of third parties, including customers, and injury to property.

Disclaimer of Warranties

This warranty contains the entire warranty and shall be in lieu of any and all other warranties, whether expressed or implied (including all implied warranties of merchantability or fitness for a particular purpose) and of all other obligations or liabilities on the part of Digital Security Controls Ltd. 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.

This disclaimer of warranties and limited warranty are governed by the laws of the province of Ontario, Canada.

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.

Out of Warranty Repairs

Digital Security Controls Ltd. will at its option repair or replace out-of-warranty products which are returned to its factory according to the following conditions. Anyone returning goods to Digital Security Controls Ltd. must first obtain an authorization number. Digital Security Controls Ltd. will not accept any shipment whatsoever for which prior authorization has not been obtained.

Products which Digital Security Controls Ltd. determines to be repairable will be repaired and returned. A set fee which Digital Security Controls Ltd. has predetermined and which may be revised from time to time, will be charged for each unit repaired.

Products which Digital Security Controls Ltd. determines not to be repairable will be replaced by the nearest equivalent product available at that time. The current market price of the replacement product will be charged for each replacement unit.
WARNING Please Read Carefully

This warning contains vital information. As the only individual in contact with the system, it is crucial that you bring each item in this warning to the attention of the users of this system.

System Failures

This system has been carefully designed to be as effective as possible. There are situations, however, in which the system may fail due to other types of emergencies where it may not provide protection. Any alarm system of any type has limitations and cannot protect everyone all the time from all dangers. The following are the most common areas where failures may occur:

- **Inadequate Installation**
  - Security systems must be installed properly in order to provide adequate protection. Every installation should be evaluated by a security professional to ensure that all access points and areas are covered. Locks and latches on windows and doors must be secure and operate as intended. Windows, doors, and locks should be checked for strength and construction to provide the level of protection expected. A reevaluation must be done during and after any construction activity. An evaluation by the local or police department is highly recommended if this service is available.

- **Criminal Knowledge**
  - Some devices may be designed to be effective at certain times of day or weeks of the year. These features may be known to criminals and used against the system during such times of the year.

- **System Malfunction**
  - System malfunctions may occur due to power interruptions, power failures, etc., which could cause the system to malfunction.

- **Motion Detectors**
  - Motion detectors can only detect motion within the designated areas as shown in their respective installation instructions. They cannot discriminate between intended and intended users. Motion detectors do not provide volumetric area protection. They have multiple beams of detection and may be activated by a range of motions caused by careless or safety hazards such as smoking in bed, violent explosions, escaping gas, smoke, or the like. If a motion detector is not properly installed using an acceptable method of connection, the system may fail to function as intended due to the failure of a component.

- **Smoke Detectors**
  - Smoke detectors that are a part of this system may not properly alert occupants of a fire due to the failure of a component, the failure of the battery, or the failure of the wiring. Smoke detectors that are improperly installed may have been improperly installed or positioned. Smoke may not be able to reach the smoke detectors, such as when the fire is in a chimney, walls or roofs. Smoke detectors may have been improperly installed or positioned. Smoke may not be able to reach the smoke detectors, such as when the fire is in a chimney, walls or roofs. Smoke detectors may have been improperly installed or positioned. Smoke may not reach the smoke detectors, such as when the fire is in a chimney, walls or roofs.

- **Power Interruptions**
  - Power interruptions of any length are often accompanied by voltage fluctuations. Power interruptions of any length are often accompanied by voltage fluctuations. Power interruptions of any length are often accompanied by voltage fluctuations. Power interruptions of any length are often accompanied by voltage fluctuations.

- **Insufficient Time**
  - There may be circumstances when the system will operate as intended, yet the occupants of the property may not respond to the warnings in a timely manner. If the system is not turned off, it may continue to operate and may not be able to respond to the warnings in a timely manner. If the system is not turned off, it may continue to operate and may not be able to respond to the warnings in a timely manner. If the system is not turned off, it may continue to operate and may not be able to respond to the warnings in a timely manner. If the system is not turned off, it may continue to operate and may not be able to respond to the warnings in a timely manner.

- **Compromise of Radio Frequency (Wireless)**
  - Signals may not reach the receiver under all circumstances which could include metal objects, blackout or deliberate jamming or other wireless signal interference.

- **System Users**
  - Users should not be able to operate a panic emergency switch to cause a potential emergency. The expected battery life is normally 3 to 5 years of battery life under normal conditions. The expected battery life is normally 3 to 5 years of battery life under normal conditions. The expected battery life is normally 3 to 5 years of battery life under normal conditions. The expected battery life is normally 3 to 5 years of battery life under normal conditions.

- **Security and Insurance**
  - Regardless of its capabilities, an alarm system is not a substitute for property or liability insurance. An alarm insurance policy should be purchased by the property owner, renters, or other occupants to act prudently and minimize the harmful effects of an emergency situation.
• WARNING •

This manual contains information on limitations regarding product use and function and information on the limitations as to liability of the manufacturer. The entire manual should be carefully read.

Instruction Manual