

Congratulations! **You have just purchased a MERLIN**

MERLIN meets the highest security standards in the industry. The system will be installed in your home by our professional technicians and connected to our ULC-approved Microtec Monitoring Centre.

MERLIN is a new home security service equipped with Internet functions. It has been designed to evolve into an automated home management system. **MERLIN** will amaze you with its many protective powers and give you and your family the peace of mind you need.

MERLIN BASIC COMPONENTS

- ◆ Electronic control panel with Internet communication (1)
- ◆ Access keypad with integrated emergency function (2)
- ◆ State-of-the-art infrared detector (3)
- ◆ Transformer (4)
- ◆ 15-watt interior wall siren (5)
- ◆ 12-volt 7-amp battery (6)
- ◆ Door or windows contacts (7)
- ◆ 7 warning decals (8)
- ◆ Line seizure module CA38A (does not appear on the picture)
- ◆ User guide (does not appear on the picture)

The **MERLIN** system also comes with a guarantee of satisfaction and a monitoring certificate confirming that your system is connected to our ULC-approved Monitoring Centre.

GUARANTEE OF SATISFACTION: We are so sure that you'll love the protection and peace of mind provided by Merlin, that we guarantee it. If you are not completely satisfied with the quality of our products, installation and monitoring service and, in MICROTEC's reasonable opinion, we are unable to correct the situation within thirty days after you subscribe to our security service, we will remove the equipment installed at your home and reimburse you the full amount you have invested in equipment and/or installation and monitoring. We are committed to ensuring your full satisfaction or giving you your money back. After 30 days, the limited warranty applies, please see page 23.

**To reach our 24-hour CUSTOMER SERVICE,
call toll free 1 (800) 263-3638.**

If you need additional security equipment for your home, such as a smoke detector or infrared detector for animals, our **MERLIN** agent will be pleased to offer you advice when you register by telephone.

Thank you for choosing **MERLIN**.

LIMITED WARRANTY

Microtec Securi-T Inc. guarantees that the products it manufactures are free from defects in material or workmanship under ordinary conditions of use and maintenance for a two-years period from the date of purchase.

Liability hereunder will be limited to the repair and/or replacement of any part of these products in the event that the material or workmanship proves to be defective under ordinary use during the warranty period.

In the first three months, products manufactured by Microtec Securi-T Inc. are guaranteed for parts and labour at the purchaser's domicile. If the period has elapsed, the purchaser is responsible for shipping, insuring and assuming any loss in transit of the defective equipment. Address to Microtec Securi-T Inc., 4780 St-Félix, St-Augustin-de-Desmaures (Quebec), G3A 2J9. The purchaser is also responsible for the costs of return shipping of the equipment.

As for other products not manufactured by Microtec Securi-T Inc., the original manufacturer's warranty applies.

This warranty does not apply to any Microtec product which, in the opinion of the Company, has been modified, repaired or altered in any way without the express written consent of the Company. This warranty does not apply to the battery, as it can be replaced.

2.2 Insects

Any insect that gets into the smoke detector chamber could trigger a false alarm.

2.3 External Causes

- a. If a house is inadequately ventilated during hot, humid weather, the humidity may exceed the smoke detector's critical threshold and trigger a false alarm.
- b. If a window is left open when you are away, smoke from a neighbouring bonfire, barbecue or outdoor fireplace could get into the house and trigger a false alarm.

2.4 Misinterpretation by System Component

- a. Excessive humidity may be interpreted as smoke by detectors.
- b. Smoke detectors may confuse dust with smoke.
- c. If there is no range hood, or if the hood does not work properly, grease may get into smoke detectors, potentially causing a false alarm.
- d. A system wire may accidentally be caught on something and partially broken. This could result in a faulty contact and possibly cause intermittent false alarms.

3. What can I do to avoid false fire alarms?

- a. Make sure you keep your smoke detectors clean. Wash the cover with a damp cloth.
- b. A smoke detector's sensitivity increases as the battery runs low. If you have a battery-run system, replace the battery every spring. (This does not apply to detectors with rechargeable batteries.)
- c. Make sure there is good air circulation in the house during hot, humid weather, especially in hallways leading to bedrooms where smoke detectors are installed. If necessary, aim portable fans at your smoke detectors.
- d. Obtain a hygrometer to measure the relative humidity in your home on a regular basis. If the humidity exceeds 80%, the risk of a false alarm triggered by your smoke detectors increases. Make sure there is good air circulation around your smoke detectors and use portable fans as needed.
- e. Make sure you close the bathroom door before taking a shower. Get rid of some of the humidity before opening the door.
- f. When you are away from home, make sure there is good air circulation in the house even when the windows are closed.

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QUICK GUIDE TO SYSTEM FUNCTIONS

Access Code Programming (p. 12): (*) + 5 + master code + code position number + new 4-digit code. To exit, press (#).

Activation/deactivation of arming/disarming signal transmission by access code (p. 15): (*) + 5 + master code + access code position + [FNC]. Three short beeps indicate that the access code is able to transmit the appropriate signals. One long beep indicates that the access code will not transmit arming/disarming signals.

Activation/deactivation of the messaging signal transmission (p. 16): (*) + 6 + master code + 5. Three short beeps indicate that the system is able to transmit messaging signals. One long beep indicates that the system is not able to transmit messaging signals.

Alarm Memory Display (p. 12): [MEM]. If an alarm has been activated while the system was armed, the [MEM] key will flash. To exit, press (#).

Alarm Test (local only) (p. 13): (*) + 6 + master code + 3. Activates the siren for 2 seconds. No signal is transmitted to the Monitoring Centre. To exit, press (#).

Bypassed Zone Reactivation (p. 12): [BYP] + access code + 0, or arm the system, then immediately disarm it. To exit, press (#).

Door Chime (p. 14): (*) + 6 + master code + 2. Three short beeps indicate that the "Door Chime" feature has been enabled. One long beep indicates that it has been disabled. To exit, press (#).

Global activation/deactivation of arming/disarming signals (p. 14): (*) + 6 + master code + 6. Three short beeps indicate that the system is able to transmit any arming/disarming signals for any of the access codes. One long beep indicates that the system is not able to transmit arming/disarming signals for all the access codes.

Message Transmission (p. 16): Messaging key + message number + recipient's number.

Quick Arming (Enabling, Disabling) (p. 9): (*) + 6 + master code + 1. Three short beeps indicate that the "Quick Arming" feature has been enabled. One long beep indicates that it has been disabled. To exit, press (#).

Quick Arming (p. 9): (*) + 0 allows the user to arm the system, when it is disarmed, without entering a 4-digit code. This feature must be enabled to be operational (see "Quick Arming (Enabling, Disabling)" above).

Quick Exit (p. 10): (*) + 0. Not to be confused with "Quick Arming". When the system is armed, the "Quick Exit" feature allows the user to exit the premises through any delay zone without altering the status of the system. This feature must be programmed by the installer to be operational.

Trouble Display (p. 11): [TBL]. To exit, press (#).

Zone Bypassing (p. 12): [BYP] + access code + zone number (zones 1 to 5

If you have a smoke detector that differs from the model shown on page 19, press the emergency/cancellation button on the smoke detector until the system siren is activated.

In either case, no alarm signal will be transmitted to the Monitoring Centre. If there seems to be a problem with the system, call Microtec Customer Service.

HOW TO AVOID A FALSE ALARM

1. Definition of a false alarm

A "false alarm" refers to the unwarranted activation of a security system siren which results in the dispatching of a public security service, i.e. police, firefighters or ambulance.

2. What causes a false fire alarm?

There are many causes of false fire alarms. Some of the most frequent are as follows:

2.1 Human Error

- a. Cooking: excessive amounts of smoke or steam activate the smoke detector.
- b. Lighting fireplaces or wood stoves: excessive smoke builds up in the house and triggers the smoke detector.
- c. Taking hot showers: steam billowing out of a bathroom when someone opens the door; the sudden change in condition can be interpreted as smoke.
- d. Painting: if paint accidentally gets into a poorly protected smoke detector, it could change the characteristics of the detector and make it more sensitive. An alarm could thus be triggered at the slightest change in condition.
- e. Renovation: dust could get into your smoke detector during renovations if it is not sufficiently protected, and make it more apt to trigger a false alarm.
- f. Low batteries: the sensitivity of a smoke detector increases when the battery runs low. If your smoke detector is battery-operated, replace the battery every spring. (This does not apply to rechargeable batteries.)
- g. Pushing a button by error.

False Burglar Alarm

A false burglar alarm can be triggered by animals wandering around the premises, a system user error, someone coming into the house through a “non-delay entrance”, etc. Remember that once initiated, a burglar alarm cannot be cancelled.

1. Disarm your alarm system. The siren will stop, but the call to the Monitoring Centre will be completed.
 2. If you have an answering machine, make sure it is off so the Monitoring Centre can reach you.
 3. Wait for a few moments before using the telephone. If the Monitoring Centre tries to reach you and is unable to do so, assistance will be dispatched immediately.
 4. Be sure to have your password memorized.
- ☛ If you enter and find the siren sounding in continuous mode, an intruder could still be on the premises. In such a situation, go to a neighbour's house and call Microtec Customer Service. They will let you know what measures were taken after the signal was received.

TESTING YOUR SYSTEM

To ensure your system operates properly, it is recommended that you run a test at least **once every three months**. To perform the test, follow the instructions provided below. If you experience problems, ask a Microtec Customer Service representative for assistance.

1. **Make sure your system is disarmed.**
2. **Test the siren and battery.** Enter **(*) + 6 + master code + 3** on the keypad. The siren will sound for 2 seconds. Press **(#)** to exit. If the **[TBL]** light comes on after this test, press **[TBL]** to display the trouble (see “Trouble Display”).
3. **Activate each sensor individually.** Open the protected doors and windows, walk in the zones covered by motion detectors. Have someone check the keypad to make sure the appropriate keys illuminate when you activate a detector or sensor.
4. **Perform a panic alarm test.** Generate a panic alarm by following the instructions in “Help Keys”, and wait for the Monitoring Centre to call. When the Centre reaches you, identify yourself and give your password.
5. **Perform a fire alarm test.**

For Microtec smoke detectors (see illustration in “Fire Detection Peripherals”), press the emergency/cancellation button (yellow button) on one of the detectors or press the yellow cancellation button on the emergency/cancellation pad (see “Emergency Peripherals”). All Microtec smoke detectors must sound.

KEYPAD

1. **Home Automation:** When flashing, the light indicates that home automation commands are being transmitted by the system.
2. **Ready:** When the light is on, the system is ready for arming. When off, one or more zones are open. Before arming the system, all zones must be closed or bypassed.
3. **Armed:** When the light is on, the system is armed. When off, the system is disarmed.
4. **BYP: (Bypass):** When lit, this key indicates that one or more zones have been bypassed. To bypass a zone, press **[BYP]** and enter a valid access code. Then press the number corresponding to the zone to be bypassed (zones 1 to 5).
5. **MEM (Memory):** When lit, this key indicates that one or more alarms have been stored in memory and should be checked. To view them, press **[MEM]**. The keys that light up indicate the zones that generated the alarms.
6. **TBL (Trouble):** When lit, this key indicates trouble with the system. To display the type of trouble, press **[TBL]**, then consult the “Trouble Display” section of this guide. When the system is armed, only trouble with the fire loop will be displayed.
7. **FNC (Function):** Allow the programming of some user or installer functions
8. **Keys 0 to 9:** These keys light up to indicate the status of the zones (open or closed). Refer to the chart on the keypad cover for a description of each zone.
9. Used to perform home automation functions. For more information, consult our Web site at www.merlinconfig.com.
10. Messaging key: Used to send messaging signals (see “Internet Functions” for details).

Emergency alarm (keypad sounder only): Press down on keys 1 and 3 of the keypad for 2 seconds.

Panic alarm (siren): Press down on keys 4 and 6 of the keypad for 2 seconds.

Fire alarm (siren in pulse mode): Press down on keys 7 and 9 of the keypad for 2 seconds. To stop this alarm, press **(#)** or enter a valid access code.

SYSTEM INFORMATION

Number of keypads: _____

Master code: _____

System entry/exit time

Entry: _____ sec. Exit: _____ sec. Auxiliary zones: _____ sec.

Contacts

Name: _____ Phone: _____

Name: _____ Phone: _____

Password: _____

Microtec Customer Service: 1 (800) 263-3638

Location and Definition of Detectors:

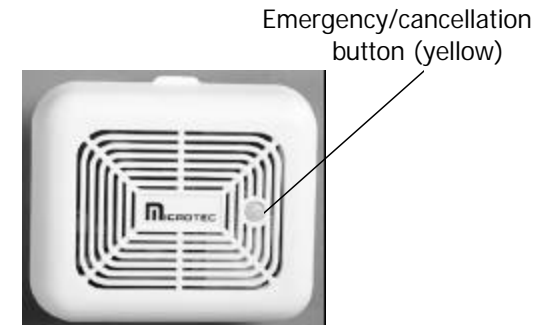
Zone	Description	Zone Type
1		
2		
3		
4		
5		
6	Fire	24-hour keypad alarm/siren (pulse mode)
7	Emergency	24-hour keypad alarm (this zone does not illuminate on the keypad)

System Access Codes:

Position #	User	Access Code	Arming/disarming signals
0			
1			
2			
3			
4			
5			
6			

There are three different ways to cancel a fire alarm:

1. Press (#) on the keypad.
2. Press the cancellation button on the emergency/cancellation pad (shown on page 18).
3. Press the yellow button on your Microtec smoke detector.



Microtec Smoke Detector

Note: Your smoke detector may differ from the model shown above.

The smoke detector's audible alarm and system siren will be silenced for 45 seconds. If the smoke detector still detects smoke after the 45-second cancellation period, the alarm will sound again and you must follow the same steps to cancel it. When there is no more smoke, the smoke detector returns to its normal "stand-by" mode and the siren is silenced. Repeat the cancellation procedure as many times as necessary.

- ☛ If there is a fire, follow your evacuation plan immediately. Do not wait for the Monitoring Centre to call.

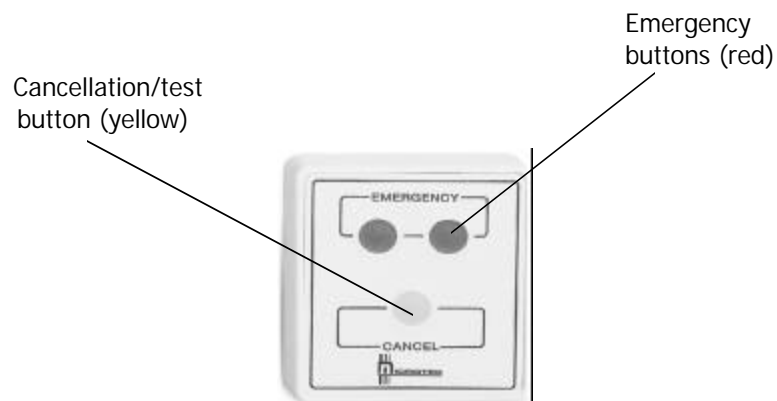
FALSE ALARMS

False Fire Alarm

1. To cancel a false alarm, follow the steps listed above. Thoroughly ventilate the smoke detectors that triggered the alarm.
2. If you have an answering machine, make sure it is off so the Monitoring Centre can reach you.
3. Wait for a few moments before using the telephone. If the Monitoring Centre tries to reach you and is unable to do so, assistance will be dispatched immediately.
4. Be sure you have your password memorized.

EMERGENCY PERIPHERALS (OPTIONAL)

An emergency alarm can be transmitted to the Monitoring Centre by pressing the emergency button:



Microtec's Emergency and Cancellation Buttons

You simply press one of the emergency buttons (red keys). Two short beeps are emitted by the keypad when one of these buttons is activated. The cancellation button is used to cancel fire alarms and to check Microtec smoke detectors (see "Testing your System").

Note: There are several models of emergency button. Your model may differ from the one shown above.

FIRE DETECTION PERIPHERALS

A fire alarm is transmitted to the Monitoring Centre when a fire is detected. When the system detects the first signs of a fire through a heat sensor and/or smoke detector, it activates the system fire zone. The siren is triggered in pulse mode. For an alarm to be transmitted to the Monitoring Centre, it must be detected for a continuous period of 15 seconds. If the alarm stops being detected before this period expires, the system interrupts communication with the Monitoring Centre. As soon as the fire detection stop, the alarm is silenced.

☛ Whether your system is armed or not, any detection of a fire causes alarm signals to be transmitted to the Monitoring Centre. For such an alarm to be transmitted, it must be detected for 15 continuous seconds.

ABOUT YOUR NEW MERLIN HOME SECURITY SYSTEM

Congratulations! You are now the owner of a high-tech MERLIN home security system. This leading-edge system is very simple to use. It offers you the option of accessing Internet functions that enable you to maintain contact with your home.

The system can perform the following functions, which can be easily configured at a Web site:

- ⇒ Transmission of alarm signal messages on different transmission channels: pager, e-mail, fax, digital PCS (personal communications service) telephone
- ⇒ Transmission of information about entries to and exits from your home on different transmission channels (see channels mentioned above)
- ⇒ Transmission of messages from the system access keypad to specific people on different transmission channels (see channels mentioned above)
- ⇒ Energy control (lighting, heating, etc.) locally from the access keypad or remotely via the telephone or Internet
- ⇒ Remote system control via the Internet (system status, arming and disarming the system).

You will be delighted with the services Merlin provides to ensure your and your family's comfort and peace of mind.

You can consult the following Web site for more information on MERLIN Internet functions: www.merlinconfig.com or the "Internet Functions" section of this manual.

Read this user guide carefully before using your MERLIN home security system. It contains important information on the operation of your system. The information the installer has given you is also important. It is your responsibility to make sure all users of this system understand how it works. Be sure to fill in the "System Information" section on the previous page and keep this guide in a safe and easy-to-find place for future reference.

GENERAL SYSTEM OPERATION

Your Merlin home security system has three component parts:

- **Control panel (metal box):** a computer which manages detection and transmission of alarms
- **Peripherals:** smoke detectors for fire detection, motion detectors, magnetic contacts and glassbreak sensors to detect a break-in, and a panic button for emergencies
- **Communication devices:** keypad, audible alarm, siren and telephone line.

The control panel reacts to any change in the status of the detectors and relays this information by illumination the appropriate keys on the keypad or activating a beeping sound or the siren. If a fire, emergency or burglar alarm is activated, the panel routes this information to the Monitoring Centre (and any other transmission channels selected) over the telephone network.

ZONES

All detectors are grouped by zone. A zone can be either a physical location where detectors are installed or consist of several detectors of the same type. There are two predefined zones: fire (zone 6) and emergency (zone 7). Zone 7 does not illuminate on the keypad. However, when it is activated, the keypad emits two short beeps and the alarm is transmitted to the Monitoring Centre.

MASTER CODE

The master code is a 4-digit code which is used to arm and disarm the system, program other security codes, or modify specific security system functions. The master code is chosen and programmed by you directly on the keypad. You can change it at your convenience (see "Access Code Programming"). The default code when your system is installed is 1-2-3-4. **For your security, it is very important that you change it.**

ARMING THE SECURITY SYSTEM

Arming a security system means putting the system in "break-in monitoring" mode. Disarming it means putting it on "stand-by" monitoring continues, but no burglar alarm is sounded. Fire and emergency alarm signals are, of course, transmitted to the Monitoring Centre at all times.

Note: A false fire alarm can be cancelled (see "Fire Alarms"). Emergency alarms, however, cannot be cancelled once activated, nor can false burglar alarms.

HELP KEYS

With this system, you can transmit an emergency, fire or panic signal immediately to the Monitoring Centre. Press down on a specific combination of keys on the keypad for 2 seconds.

Emergency: Press down on keys 1 and 3 simultaneously for at least 2 seconds. The keypad will emit 2 short beeps when these keys are held down. The keypad will emit 5 short beeps when the Monitoring Centre receives the emergency signal.

Panic: Press down on keys 4 and 6 simultaneously for at least 2 seconds. The keypad will emit 2 short beeps when these keys are held down and the system siren will sound. To stop the siren, enter a 4-digit access code on the keypad.

Fire: Press down on keys 7 and 9 simultaneously for at least 2 seconds. The keypad will emit 2 short beeps when these keys are held down and the system siren will be activated in pulse mode. To stop the siren, enter a valid 4-digit access code on the keypad or press (#).

What happens when an emergency alarm is activated?

1. The Merlin system sends a distress signal to the Monitoring Centre.
 2. The Centre calls you as quickly as possible and asks what type of assistance you need, i.e. police, firefighters or ambulance.
 3. If no one answers, the police are dispatched to the premises and the people designated as your contacts are called.
- ☛ It is impossible to cancel an emergency, panic or keypad-generated fire alarm once it has been activated. Wait for the Monitoring Centre to call you. If you try to call the Centre while the Centre is trying to call you, and the Centre cannot reach you, assistance will be dispatched automatically. When the Centre does reach you, give your password. This is the only way to prevent public security services from being dispatched when an emergency, panic or keypad-generated fire alarm is activated.

Transmission of personal electronic messages via the access keypad ²

Activation/deactivation of the messaging signal transmission

(*) + 6 + master code +5

Your system can transmit messaging signals provided the messaging function has been activated. To activate the function, enter the following command: **(*) + 6 + master code +5**. When the command is entered, three short beeps indicate that the system is able to transmit messaging signals. One long beep indicates that the system is not able to transmit messaging signals.

You must also register the recipients of electronic messages as well as personalized messages 1 to 6 at the www.merlinconfig.com Web site or, if you do not have Internet access, through an agent at 1 (877) 360-0740. If this is your first time registering, be sure to have your contract number close at hand as well as the telephone number of the residence where the equipment is installed.

Message Transmission

Messaging key + message number + recipient's number

To transmit a personal electronic message:

1. Press the messaging key (personal message transmission key).
2. Press the number of the desired message.
3. Press the number of the desired recipient.

Transmission of electronic information when an alarm is activated (burglar, emergency, fire)

You do not have to activate a function for the system to transmit alarm signals. All you have to do is register the recipients of electronic messages about alarms at the www.merlinconfig.com Web site or, if you do not have Internet access, through an agent at 1 (877) 360-0740. If this is your first time registering, be sure to have your contract number close at hand as well as the telephone number of the residence where the equipment is installed.

² Long distance calls fees are applicable if your security system is installed in a region that is not covered by Merlin. Please refer to our web site www.merlinconfig.com for more information. "Transmission of personal electronic messages via the access keypad" can be activated/deactivated by the user.

Pre-Arming

Before arming your system, make sure that:

- The trouble [TBL] light is off. If it is on, refer to "Trouble Display".
- The green "Ready" light is on. If it is off, ensure that all doors and windows are closed and nothing is moving in areas covered by motion detectors. The system cannot be armed unless this light is on.

Note: You may find it useful to bypass some zones and thus be able to arm the system until, for example, a technician can repair a defective motion detector that is preventing you from arming the system. The procedure is described in "Zone Bypassing".

Arming

There are two ways to arm your system: using an access code or the "Quick Arming" function.

Arming the System with Your Personal Access Code

Simply enter your 4-digit personal access code on the keypad. The keypad beeps as each digit is entered. Once a valid code has been entered, the keypad emits three short beeps. The "Ready" and "Armed" lights come on immediately to indicate that the "exit delay" timer is on countdown. You must exit the premises through a pre-programmed "delay door". The keypad emits short beeps during the last 10 seconds of the allowed exit time to indicate that the exit time is about to expire. Once it expires, the keypad emits two beeps indicating that the system is in monitoring mode. The "Ready" light goes out at the same time. *During the allowed exit time, the [BYP] key may light up if you remain on the premises. Consult the "Perimeter Arming" section for details.* The allowed exit time can be modified by the installer.

Note: If you make an error when entering your access code, press (#) and enter your code again.

Quick Arming Enable

(*) + 6 + master code + 1

Three short beeps indicate that the "Quick Arming" feature has been enabled. One long beep indicates that the feature has been disabled. To exit, press (#).

Quick Arming

This feature allows you to arm the system quickly by entering the command **(*) + 0**, but not to disarm it. The disarming function is explained on page 10.

PERIMETER ARMING

When programmed by the installer, this extremely useful feature allows you to stay inside while your system is armed. All you have to do is arm your system using your access code or the "Quick Arming" function as described on page 9. Once the system has been armed, if no one leaves the premises through an "entry/exit" zone within the delay period, the perimeter remains armed and the programmed zones are automatically bypassed. You will notice that the [BYP] key remains lit. This feature enables you to enjoy the protection offered by your system while you are at home.

QUICK EXIT

When the system is in "perimeter arming" mode, you can exit the premises and leave the system in the same mode, for example, if the family is still asleep when you have to leave for work. Simply enter the following command on the keypad:

(*) + 0 (only when the system is in "perimeter arming" or in "exit delay" mode).

You can open a delay zone only once the "Quick Exit" feature has been activated. To be operational, this feature must be programmed by the installer.

DISARMING THE SECURITY SYSTEM

To enter premises protected by the security system, you must always use the programmed entry/exit door. If you enter through a door which is not programmed as the entry/exit door, the system interprets this as a break-in and instantly activates an alarm.

1. **Enter through the programmed entry/exit door:** the keypad emits a continuous tone.
2. **Go to the keypad as quickly as possible and enter your 4-digit access code.** During the last 10 seconds of the "allowed entry time" the keypad emits short beeps indicating that the "allowed entry time" is about to expire. If your access code is valid, you will hear 6 beeps and the system will be disarmed.
3. **If you enter an incorrect code:** press (#) and enter your access code again.

When no valid code is entered, the keypad keeps on emitting warning beeps and the system remains armed until a valid code is entered. When the "allowed entry time" has expired and no valid code has been entered, an alarm will be activated. The length of the "allowed entry time" is programmed by the installer. If the [MEM] key starts flashing after you have disarmed the system, it means that one or more alarms occurred while the system was armed. The lit keys indicate the zones where the alarms were activated. The [MEM] key will continue flashing until you press (#).

- If you arm the system while some zones are bypassed ([BYP] key is lit), the system will relay a message indicating partial closure when the exit delay time expires.
- If you arm the system with the (*) + 0 function (see page 9 "Quick Arming") the user name of the access code will be transmitted at the end of the exit delay.

Activation/deactivation of arming/disarming signal transmission by access code

(*) + 5 + master code + access code position + [FNC]

You can configure the arming/disarming signal transmission function using an access code.

1. **Enter (*) + 5 + master code.** The Memory, Bypass and Trouble key lights will flash and the keys corresponding to the access code positions will light up.
2. **Enter the position of the access code** for which you wish to activate/deactivate arming/disarming signal transmission. The key corresponding to the position of the access code chosen will flash.
3. **Press the [FNC] key.** Three short beeps indicate that the access code is able to transmit the appropriate signals when the system is armed/disarmed. You must activate arming/disarming signal transmission globally so that the access code can transmit arming/disarming signals (see "Global activation/deactivation of arming/disarming signals"). One long beep indicates that the access code will not transmit arming/disarming signals.
4. If you wish to change the assignment of this code or another code, repeat steps 2 and 3. If not, press (#) to exit.

Transmission of arming/disarming signals for the access codes on position 0, 3, 4, 5 and 6 is not programmed when you receive the system. Only the user access code on position 1 and 2 are programmed to do so.

However, if you wish to have the arming/disarming signal transmission for the codes on position 0, 3, 4, 5 or 6, you must program it for each of those access codes (see "Activation/deactivation of arming/disarming signal transmission by access code" for more details).

N.B.: You must previously activate the global transmission of arming/disarming signals, if you wish to send that type of signals from an access code. This global transmission is not activated unless the installer has done it during the installation (see p.14 for more details).

DOOR CHIME

When this function is activated, the keypad emits 5 beeps whenever a door, window or a detector programmed as an instantaneous or delay zone is opened (or activated) or is closed (or deactivated). To activate this function, press **(*) + 6 + master code + 2**. To exit, press **(#)**.

The keypad emits 3 beeps when the door chime is activated, and 1 long beep when deactivated.

The door chime can be activated only when the system is disarmed.

INTERNET FUNCTIONS

Your security system is equipped with technology which enables you to access Internet functions. To be able to use these functions, you must activate them.

Transmission of electronic information when system is armed/disarmed ¹

(See "Arming Your Security System" and "Disarming the System".)

Global activation/deactivation of arming/disarming signals

(*) + 6 + master code + 6.

Three short beeps indicate that the system is able to transmit any arming/disarming signals for any of the access codes. One long beep indicates that the system is not able to transmit arming/disarming signals for all the access codes.

To be operational, the arming/disarming signal transmission function must be activated for the desired access code (see "Activation/deactivation of arming/disarming signal transmission by access code"). You must register electronic arming/disarming message recipients and system users at the www.merlinconfig.com Web site or, if you do not have Internet access, through an agent at 1 (877) 360-0740. If you are registering for the first time, please be sure to have your contract number close at hand as well as the telephone number of the residence where the equipment is installed.

The exit delay time must expire before arming messages can be transmitted. When the exit delay time expires, the system seizes the telephone line to transmit the arming signal.

This also applies to disarming. The system must be disarmed after the exit delay time expires for it to transmit the disarming signal.

¹ Long distance calls fees are applicable if your security system is installed in a region that is not covered by Merlin. Please refer to our web site www.merlinconfig.com for more information. "Transmission of electronic information when system is armed/disarmed" can be activated/deactivated by the user.

TROUBLE DISPLAY

If a malfunction is detected in your system, the keypad will emit two short beeps every 10 seconds and the [TBL] light will come on. Should this type of warning occur, read the trouble code immediately and follow the corresponding recommendations. Do not ignore a trouble warning: your safety and the integrity of your system could depend on it. To stop the keypad from beeping every 10 seconds, press **(#)**. Note that the [TBL] light will stay on until the problem is solved.

To find out what the trouble is, press **[TBL]**. To exit, press **(#)**.

Once you have displayed the trouble code, please refer to the following table:

Note: Only fire loop trouble is displayed when the system is armed. Three types

Zone Light	Type of Trouble	Recommendations
1	Backup battery disconnected or low	Call Customer Service
2	Loss of electrical power	– Check whether the adapter is properly plugged in electric outlet – Check the fuse or breaker on the electrical panel
3	Siren loop trouble or burnt-out siren fuse	Call Customer Service
4	Failed communication attempt	Call Customer Service
5	Fire loop trouble	Call Customer Service
6	Telephone line trouble	If the siren is on, enter a valid access code. If the keypad emitting beeps, press (#) . In either case, check whether the system is properly connected to the telephone line. If the problem persists, call Customer Service.

of trouble are communicated to the Monitoring Centre; fire loop, siren loop or burnt-out fuse, and low battery.

ALARM MEMORY DISPLAY

After you disarm the system, check the [MEM] light. If the light is flashing, it means that one or more alarms have occurred while the system was armed. The lit keys correspond to the zones where the alarms were activated. The [MEM] light will continue flashing until you press (#).

To view the alarm memory display, press [MEM]. To exit, press (#).

- ☛ The [MEM] light will turn off when the system is armed and then disarmed, if no other alarm is activated during that time.

ZONE BYPASSING

Zone bypassing can be useful if you have a defective detector and/or wish to suspend coverage of a zone.

To bypass a zone:

Press [BYP] + enter your access code.

The [BYP] light will start flashing. Select the zones you wish to bypass. If you bypass a zone by error, enter the zone number again and the corresponding zone key will turn off. To exit zone bypass mode, press (#). The [BYP] key will illuminate if one or more zones are bypassed.

To reactivate a bypassed zone:

To reactivate zones that have been bypassed, press [BYP] + access code + 0, then (#) to exit. You can also reactivate zones by arming and then immediately disarming the system. The [BYP] key light will then turn off.

- ☛ Zones 6 and 7 (fire, emergency) can never be bypassed.
- ☛ Arming a system with one or more bypassed zones reduces the effectiveness of the system.
- ☛ After disarming, all bypassed zones are reactivated.

ACCESS CODE PROGRAMMING

Use the "System Information" section at the beginning of this guide to assign personal access codes to users of the system.

Master Code

(*) + 5 + master code + 0 + your new 4-digit code + (#)

- To program or change the master code, make sure the system is disarmed. Then enter **(*) + 5 + your current master code**. You will hear 3 beeps.

2. **Enter the master code position number, which is 0.** You will hear another 3 beeps, indicating that the system is ready to accept a new master code.
3. **Enter your new 4-digit master code.** You will hear 3 short beeps, indicating that the new master code has been accepted.
4. To exit programming mode, press (#).
5. Note your new master code on line 0 of the access code table in "System Information".

Additional Code Programming

(*) + 5 + master code + code position number (1 to 6) + your new 4-digit code + (#)

You can program up to 6 additional access codes (1 to 6). To program a new code:

1. Enter **(*) + 5 + master code**. Any key (1 to 6) illuminate indicates that an access code has already been programmed at that position.
2. Refer to the access code table in the "System Information" section to decide on code position numbers.
3. **Enter the code position number.** When you select the code position numbers, the corresponding zone lights will come on. If a code has already been assigned to the position number you have selected, it will be replaced by the new code.
4. **Enter the 4-digit access code.**
5. Press (#) to exit.
6. Write down all codes in the table at the beginning of this guide.

To delete a security code

Press **(*) + 5 + master code + position number of the code to be deleted + (****)**. To exit programming mode, press (#).

- ☛ The master code cannot be deleted, but it can be changed (position 0).
- ☛ If the installer did not change the master code, the default code is 1-2-3-4. **It is important that you change it, for your security.**
- ☛ Do not forget to note any access code change in the access code table at the beginning of this guide.

ALARM TEST

This test activates the system battery and siren for 2 seconds. No signal is transmitted to the Monitoring Centre.

Enter (*) + 6 + master code + 3. To exit, press (#). If the [TBL] key lights up after this test, refer to "Trouble Display".