

# INSTRUCTION MANUAL

## **A WORD ABOUT YOUR SYSTEM**

The EN1550 security system has been designed to give the greatest possible flexibility and convenience. Read the manual carefully and become familiar with the operation of your security system. Your installer will tell you which commands listed in this manual apply to your particular security system. Fill out the system reference sheet in this booklet and store it in a secure place for future reference. The label provided for the inside of the keypad door can be used to record which sensors are on each zone.

### ***IMPORTANT NOTE***

*Remember that no security system can prevent emergencies. It is only intended to alert you in case of an emergency and should not take the place of prudent security practices or insurance.*

*It is important to test your system every week. To do this, first inform the monitoring station that you are testing your system. Then, with the system disarmed, activate all detection sensors one at a time and observe the zone light come on at the keypad as each sensor is activated. Perform a bell test by entering [\*][6][MASTER CODE][8] with the system disarmed. The EN1550 can be programmed at the time of installation to automatically perform a test transmission to the monitoring station on a regular basis. If this has not been done, check with the monitoring station for instructions on how to perform a test transmission. Don't forget to inform the monitoring station when you have finished your test.*

*Check to see if the "TROUBLE" light is on when arming the system. See the "TROUBLE DISPLAY" section in this manual for a description of the different trouble conditions. Contact your installer for assistance if the cause of the trouble cannot be located and corrected.*

### **HOW YOUR SYSTEM WORKS**

Your security system is made up of a EN1550 control panel, one or more keypads and various detectors and sensors. The EN1550 control panel will be mounted out of the way in a utility room or closet. The metal cabinet contains the system electronics, fuses and stand-by battery. There is normally no reason for anyone but the installer to have access to the control panel. The keypads have an audible indicator, display lights and command entry keys. The keypad is used to send commands to the system and to display the current system status. They are mounted in convenient areas close to the exit-entry doors. The security system has up to six zones or areas of protection. To each of these zone will be connected one or more detection sensors such as door or window contacts, motion detectors, glass break detectors or vibration or shock sensors. When a sensor is in alarm, a keypad light will be on to indicate which zone is in alarm.

## SYSTEM REFERENCE

Zone Number	Protected Area	Zone Type
1	_____	_____
2	_____	_____
3	_____	_____
4	_____	_____
5	_____	_____
6	_____	_____

Fire \_\_\_\_\_

Keypad Zone [P] \_\_\_\_\_

Keypad Zone [F] \_\_\_\_\_

Keypad Zone [A] \_\_\_\_\_

Master Code Number \_\_\_\_\_

Programmed Code Numbers \_\_\_\_\_

\_\_\_\_\_

Monitoring Station Information

Account # \_\_\_\_\_

Telephone # \_\_\_\_\_

Entry Delay \_\_\_\_\_

Exit Delay \_\_\_\_\_

Notes

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## 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 numbers of fire detectors placed in appropriate locations. This equipment should be installed in accordance with N.F.P.A. standard #74. (N.F.P.A. Batterymarch Park, Quincy MA 02269) Carefully review the Family Escape Planning guidelines in this manual. **NOTE: YOUR INSTALLER MUST ENABLE THE FIRE DETECTION PORTION OF THIS EQUIPMENT BEFORE IT BECOMES FUNCTIONAL.**

## MASTER CODE

The 4 digit Master Code is used for arming and disarming the security system, for programming additional security codes and for changing other features. The Master Code will be supplied to you by your installer. With exception of "KEYPAD ZONE" activation, all keypad entries are made by pressing only one key at a time.

## ARMING

Close all protected doors and windows and stop movement in areas covered by motion detectors. If "BYPASS" light is on, be sure zones are being intentionally bypassed before arming the system (see ZONE BYPASSING). Check to see that the "READY" light is on (all zones are closed). The system cannot be armed unless the "READY" light is on. Enter a [4-digit security code]. As each digit is entered the keypad sounder will beep. The "ARMED" light will come on and the keypad sounder will beep quickly. If the security code was entered and the system is armed, exit the premises through the door indicated by your installer as the exit-entry door. At the end of the allowed exit time all lights on the keypad will go out except the "ARMED" light. The exit time delay may be increased by your installer. Also see, QUICK-ARM command.

## "AT HOME ARMING"

To have your security system armed while you are at home enter [\*][9] before the arming code. This "AT HOME" arming arms the system eliminating the entry time delay from the delay door so it is important not to leave the premises or let anyone in before the system is disarmed because an alarm will sound immediately.

## DISARMING

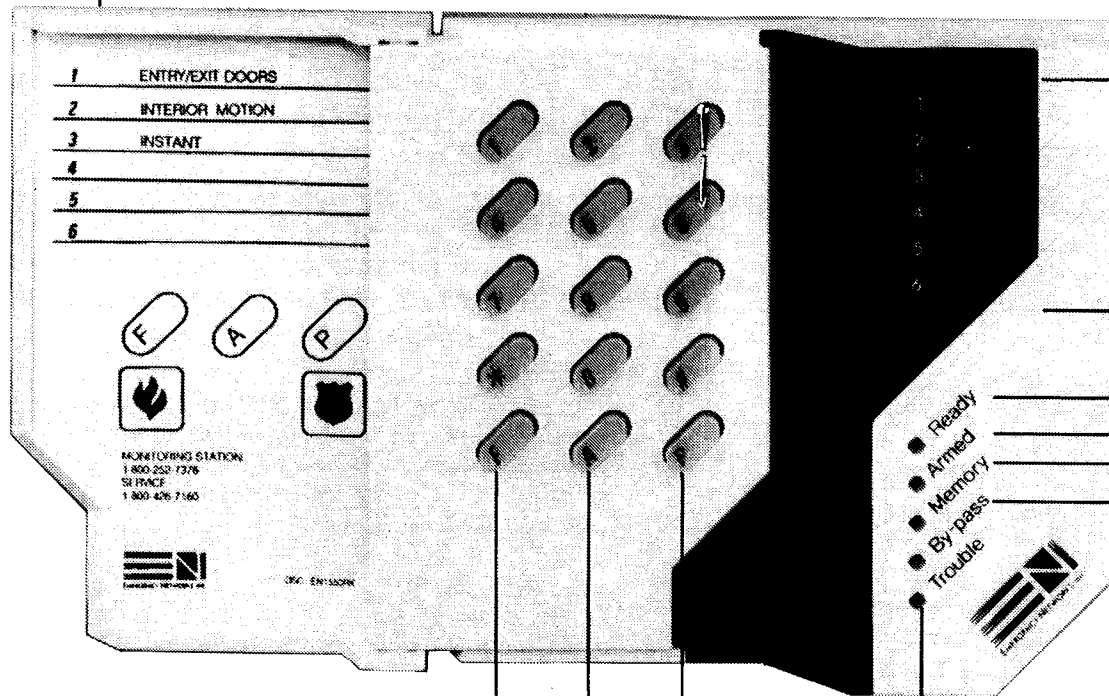
Enter the premise only through the door indicated by your installer as the entry door. The keypad sounder will be on. Go to the keypad and enter the [4 digit security code]. If an error is made in entering the code, press the [#] key and enter the code again. The "ARMED" light will go out and the keypad sounder will stop. The correct security code must be entered before the allowed entry time expires. The entry delay time may be changed by your installer. If an alarm occurred while the panel was armed, the "MEMORY" light and the "ZONE" light which caused the alarm will start to flash when the system is disarmed. After a two minute period the panel will return to the normal "READY" condition.

**NOTE:** See section on Alarm Memory Display.

If a trouble is present when the panel is disarmed, the Trouble light will come on. (See Trouble viewing section to determine the source of the trouble.) Note that Troubles will not display while the system is in the Alarm Memory Display Mode.

If you return home 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 neighbor's and if your system is monitored, call the monitoring station. They will advise you on what action has been taken as a result of the alarm and whether the premises are safe to enter. If your system is not monitored, call the local police to investigate.

**Keypad door** has zone identification and basic user information. Protects keypad when keypad not in use.



Hold down **[F]** key for the Fire alarm.

Hold down **[A]** key to initiate an Auxiliary alarm.

Hold down **[P]** key to summon Police.

**NOTE:** These keys will NOT function unless programmed by the installer. If these keys are in service and the installer has enabled audible feedback, holding down the key for 2 seconds will cause the keypad sounder to beep indicating that the input has been accepted and transmission is underway.

**ZONE** light(s) when "on" in the normal operating mode indicate an open zone. eg. open door, window, etc. Refer to zone chart on keypad door for zone information.

**READY** light "on" system ready for arming.  
**READY** light "off" open zone. Must be closed or bypassed before arming.

**ARMED** light will come "on" indicating system armed. Ensure **READY** light "on", enter 4 digit code.

**MEMORY** light "on" means an alarm has occurred. To display zone that caused alarm, press **[\*]** then **[3]**. Zone light will come "on" indicating which zone caused alarm. Press **[#]** to return to ready.

**TROUBLE** light "on" means there is a fault on the system. Press **[\*]** then **[2]** to display trouble type:

1. Battery
2. A.C. power
3. Bell circuit
4. Communicator
5. Smoke detector circuit
6. Clock needs resetting

Press **[#]** to return to ready.

**BYPASS** light will come "on" when you bypass a zone. To bypass a zone, press **[\*]**, **[1]** and then the zone(s) you wish to bypass. Press **[#]** to return to ready.

## “QUICK ARM” FEATURE

When the “QUICK ARM” feature is enabled the panel may be armed simply by entering [ \* ], [0] instead of a 4 digit code. The [ \* ], [0] command will not disarm the panel.

Enter [ \* ], [6], [Master Code], [4] to turn on and off the “QUICK ARM” feature. When the command is entered, the keypad will beep 3 times if the command is being enabled and will sound one long beep if the command is being disabled. Press [#] to return to “READY”.

## DOOR CHIME FEATURE

The DOOR CHIME feature is used, while the panel is disarmed, to provide a tone from the keypad each time a door or window is opened or closed. The doors and windows which will provide indication are programmed by your installer. Enter [ \* ], [6], [Master Code], [6] to turn on and off the door chime. When the command is entered, the keypad will beep 3 times if the command is being enabled and will sound one long beep if the command is being disabled.

Press [#] to return to “READY”.

## ALARM TEST

Enter [ \* ], [6], [Master Code], [8] for a 2 second test of the keypad lights, keypad sounder and alarm bells. This is local test only and does not transmit to a monitoring station.

Press [#] to return to “READY”.

## PROGRAMMING ADDITIONAL SECURITY CODES

Enter [ \* ], [5] and [Master Code]. The “MEMORY”, “BYPASS” and “TROUBLE” lights will flash and the “ZONE” lights will show which codes have already been programmed (up to 4 codes in addition the Master Code can be programmed from the keypad).

Press any key from [2 to 5] to indicate which one of the 4 additional codes is being programmed. The “ZONE” light will flash to indicate which code is being programmed.

Enter a [4 Digit Code]. At this point if [ \* \* \* \* ] instead of a [4 Digit Code] is entered, any previously programmed code in this location will be eliminated.

To review:

programming a new code; enter [ \* ], [5], [Master Code], [2 to 5], [4 Digit Code].

eliminating an existing code; enter [ \* ], [5], [Master Code], [2 to 5], [ \* \* \* \* ].

Press [#] to return to “READY”.

Do not program codes such as 1234 or 1111 as they are easily duplicated.

## FIRE ALARM OPERATION

**Alarm** On a Fire Alarm the bell/siren will sound pulsing. The digital communicator transmission is delayed for 30 seconds. If the alarm is not acknowledged (silenced) within that 30 second period the communicator will transmit to the monitoring station.

**Silence** To silence the bell/siren, press the [#] key. If the alarm is silenced within 30 seconds, transmission to the monitoring station will be aborted. If the alarm is silenced and the smoke detector is not reset, the alarm will resound after 90 seconds.

**Reset** To restore the smoke detector to normal, press [ \* ], [7]. If the detector still has smoke in it, the alarm will resound and the above sequence will repeat. If the detector is clear of smoke the system will return to normal.

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

**IF A FIRE CONDITION IS APPARENT, FOLLOW YOUR EVACUATION PLAN IMMEDIATELY. IF THE ALARM SOUNDS AT NIGHT EVACUATE IMMEDIATELY.**

## FIRE SAFETY IN THE HOME

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

## HOUSEHOLD FIRE SAFETY AUDIT

1. Are all electrical appliances and outlets in a safe condition? e.g. frayed cords, overloaded lighting circuits. If you are uncertain about the condition of your electrical appliances or household service, have a professional evaluation.
2. Are all flammable liquids stored in closed containers in a well ventilated cool area? Cleaning with flammable liquids should be avoided.
3. Are fire hazardous materials (matches) kept well out reach or children?
4. Are furnaces and wood burning appliances properly installed, clean and in good working order? Have a professional evaluation.

## FAMILY ESCAPE PLANNING

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

1. Every family member should participate in developing the escape plan.
2. Study the possible escape routes from each location within the house and since many fires occur at night, special attention should be paid to escape routes from sleeping quarters.
3. It is essential that escape from a bedroom be possible without opening the interior door. To facilitate such an escape:
  - Make sure that doors and/or windows that open to the outside are easily opened e.g. not painted shut.
  - If opening the exit or simply getting to 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 alarm.
  - If the exit means is above the ground level, an approved fire ladder or rope should be provided as well as training in its use.
  - Exits on the ground level should be kept clear. e.g. remove snow from exterior patio doors.
  - The family should have a predetermined assembly point where everyone can be accounted for. e.g. across the street or at a neighbors.
  - Once everyone is out of the house, call the fire department.
  - A good plan emphasizes a quick escape. Do not investigate first or attempt to fight the fire. Do not attempt to rescue valuables or pets as this takes up valuable time. Once outside do not re-enter the house. Wait for the fire department.
  - Write the plan down and rehearse frequently so that should an emergency arise, everyone will know what they are to do. Revise the plan as conditions change. e.g. more or fewer family members or changes to the house.
  - Make sure your fire warning system is operational by conducting weekly tests as noted elsewhere in this manual. If you are unsure about system operation, call your installer.
  - It is recommended that you contact your local Fire Department and request further information on home fire safety and escape planning. If available, have your local fire prevention officer conduct an in-house fire safety inspection.

## TESTING YOUR SYSTEM

*IT IS RECOMMENDED THAT YOU TEST YOUR SYSTEM WEEKLY.*

*NOTE: Perform such activities in the off-peak hours; such as early morning or late evening.*

1. Inform the monitoring station that you are testing your system.
2. Disarm the system (Ready light ON).
3. Perform a bell/battery test by pressing [ \* ], [6], [Master Code][8]. The signal will sound for about 2 seconds. If a trouble occurs after the test, press [ \* ][2] to view the trouble condition.
4. Activate each sensor in turn. e.g. open a door/window or walk in a motion detector area. Observe the zone light come on when the zone is activated. The zone light will go off when the device restores to normal. i.e. door or window closed.
5. If they are programmed for operation, press the [F], [A] and [P] keys in turn. The [F] key will sound the bell/siren in a pulsed mode. Enter the User Code to silence the alarm. The [A] key is silent and if programmed, will send a transmission to the monitoring station. The [P] key may be programmed as silent or audible. If the alarm sounds, enter the User Code to silence.
6. If the panel has a zone programmed for Fire, activation will cause the alarm signal to sound in a pulsed mode. *CAUTION: Do not use open flame or burning materials to test a smoke detector. Contact your alarm installer for information on safe methods to activate a smoke detector.*
7. Should the system fail to operate properly, call your alarm dealer for service.
8. When testing is complete, call and advise the monitoring station.

## MAINTENANCE

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

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

## FCC COMPLIANCE STATEMENT

**CAUTION:** Changes or modifications not expressly approved by the manufacturer could void your authority to use this equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, 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, the user is encouraged to try to correct the interference by one or more of the following measures:

- Re-orient the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/television technician for help.

The user may find the following booklet prepared by the FCC useful: "How to Identify and Resolve Radio/Television Interference Problems". This booklet is available from the U.S. Government Printing Office, Washington D.C. 20402, Stock # 004-000-00345-4.

## IMPORTANT INFORMATION

This equipment complies with Part 68 of the FCC Rules. On the side of this equipment is a label that contains, among other information, the FCC registration number of this equipment.

**NOTIFICATION TO TELEPHONE COMPANY** Upon request, the customer shall notify the telephone company of the particular line to which the connection will be made, and provide the FCC registration number and the ringer equivalence of the protective circuit.

FCC Registration Number: F53CAN-73151-AL-E

Ringer Equivalence Number: 0.1B

USOC Jack: RJ-31X

**TELEPHONE CONNECTION REQUIREMENTS** Except for the telephone company provided ringers, all connections to the telephone network shall be made through standard plugs and telephone company provided jacks, or equivalent, in such a manner as to allow for easy, immediate disconnection of the terminal equipment. Standard jacks shall be so arranged that, if the plug connected thereto is withdrawn, no interference to the operation of the equipment at the customer's premises which remains connected to the telephone network shall occur by reason of such withdrawal. Ensure that plugs and jacks meet the dimension, tolerance and metallic plating requirements of 47 C.F.R. Part 68 Subpart F.

**INCIDENCE OF HARM** Should terminal equipment or protective circuitry cause harm to the telephone network, the telephone company shall, where practicable, notify the customer that temporary disconnection of service may be required; however, where prior notice is not practicable, the telephone company may temporarily discontinue service if such action is deemed reasonable in the circumstances. In the case of such temporary discontinuance, the telephone company shall promptly notify the customer and will be given the opportunity to correct the situation.

**ADDITIONAL TELEPHONE COMPANY INFORMATION** The security control panel must be properly connected to the telephone line with a USOC RJ-31X telephone jack.

The FCC prohibits customer-provided terminal equipment be connected to party lines or to be used in conjunction with coin telephone service. Inter-connect rules may vary from state to state.

**CHANGES IN TELEPHONE COMPANY EQUIPMENT OR FACILITIES** The telephone company may make changes in its communications facilities, equipment, operations or procedures, where such actions are reasonably required and proper in its business. Should any such changes render the customer's terminal equipment incompatible with the telephone company facilities the customer shall be given adequate notice to the effect modifications to maintain uninterrupted service.

**RINGER EQUIVALENCE NUMBER (REN)** The REN is useful to determine the quantity of devices that you may connect to your telephone line and still have all of those devices ring when your telephone number is called. In most, but not all areas, the sum of the RENs of all devices connected to one line should not exceed five (5.0). To be certain of the number of devices that you may connect to your line, you may want to contact your local telephone company.

**EQUIPMENT MAINTENANCE FACILITY** If you experience trouble with this telephone equipment, please contact the facility indicated below for information on obtaining service or repairs. Do not return equipment to this address without prior authorization. The telephone company may ask that you disconnect this equipment from the network until the problem has been corrected or until you are sure that the equipment is not malfunctioning.  
Digital Security Controls Ltd. 160 Washburn St., Lockport, NY 14094