

HomeGuard

User Operation
Manual



SCOPETRONIC
EUROPLEX TECHNOLOGIES

HomeGuard

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Introduction

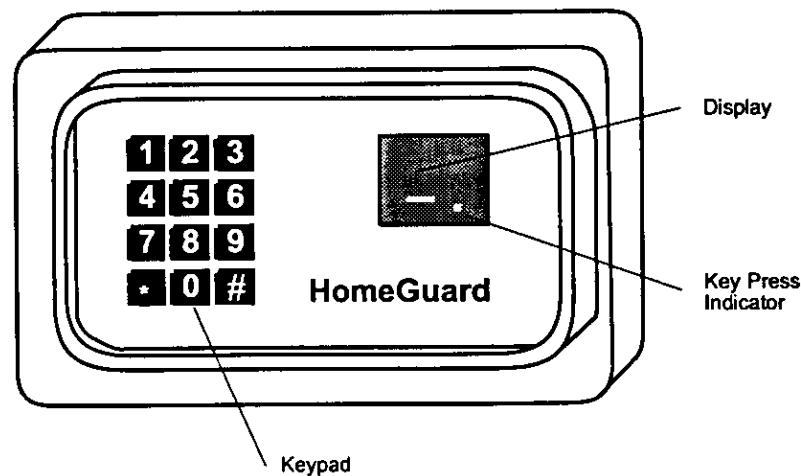
HomeGuard is a high performance alarm control panel. It provides all the control, decision making and monitoring functions of an alarm system. All alarm detection devices (e.g. contacts, inertia shock sensors, movement detectors etc.), fire detection devices (e.g. smoke detectors), and personal attack detection devices (e.g. panic buttons) are connected to the alarm control panel. The alarm control panel is housed in a steel case, installed at a secure location within the protected area. The user controls the alarm control panel with a remote keypad and display, which is installed at a more convenient location within the protected area.

During the day or if working or living within the protected area, the alarm system will normally be disarmed. This provides normal access and movement within the protected area. Continuous monitoring is provided on all anti-tamper, fire and P.A. (personal attack) zones.

At night time or if the protected area is uninhabited, the alarm system will normally be armed giving full protection on all zones. Part arming is also provided if movement in the protected area is required while maintaining perimeter protection.

HomeGuard provides external bell and internal bell outputs to signal alarm conditions. Also provided are three digital communicator outputs which can be used with a digital communicator to signal intruder, fire or P.A. alarms to a 24Hr. alarm monitoring station via the telephone line.

Fig 1. Remote Keypad



Display Messages

The display provides information about the alarm system status and details of any circuit activation that may have signalled an alarm. Only one character is displayed at a time. All display messages are either one or two characters in length. When there is more than one message to display, the display will blank briefly between messages.

—	Alarm System Armed (set)
u or U	Alarm System Disarmed (unset)
d	Quick Arm
n	Part Arm (part guard)
h	Inhibit Zone
H	Inhibit Ok
A 1	Alarm Zone 1
A 2	Alarm Zone 2
A 3	Alarm Zone 3
E E	Exit/Entry Zone
P A	Personal Attack Zone
F A	Fire Alarm
d A	Duress Alarm
E C	Error Code
h 1	Inhibit Zone 1
h 2	Inhibit Zone 2
h 3	Inhibit Zone 3
h E	Inhibit Exit/Entry
t 1	Tamper Zone 1
t 2	Tamper Zone 2
t 3	Tamper Zone 3
t E	Tamper Exit/Entry
t P	Tamper Personal Attack
t b	Tamper Bell Box
t L	Tamper Control Panel Lid
t r	Tamper Remote Keypad
A C	A.C. (220/240V) Fail
P F	Power Fail

System Commands

The keypad is used to enter the security code and operator commands. Keying 0 before any command or code clears any previously register key presses. Valid key presses are acknowledged by a beeping sound from the buzzer and by the key press indicator.

When armed..

0 CODE Disarms system and reset bells (if active)

When arming..

*** zone *** Inhibits a zone (e.g. 1,2,3 or 0 for exit/entry)

When disarmed..

0 CODE Arms alarm system

0 CODE Reset bells after alarm condition

0 # 4 Arm system (no code)

0 # 5 Arm system quickly (quick arm)

0 # 6 Test alarm zones (chime test)

0 # 7 Part arm alarm system

0 # 8 Read operator memory

0 # 9 Test bells (bell test)

Any time..

0 CODE + 1 Signal duress alarm (duress code)

Guidelines On Alarm Systems

Before arming the alarm system ensure all doors and windows are securely locked, and all movement detection devices are free to operate correctly with no possibility of objects falling within the protected area.

The alarm system will not arm if any tampers, fire or P.A. are open. If open consult your alarm installation company.

The alarm system will not arm if any alarm zones are open other than exit/entry or access zones. Open alarm zones may be inhibited to allow alarm system to arm. Exit/entry and access zones must be closed at the end of exit time in order for the alarm system to arm. When arming exit the protected area swiftly and in an ordered fashion. After exiting the protected area and closing the exit/entry door, wait for the exit buzzer to stop, this indicates the alarm system is armed.

When entering the protected area use the assigned entry/exit route. Move through the assigned access route and disarm the alarm system straight away.

Arm Alarm System

Use when the alarm system is disarmed and **U** the disarmed message displayed. Full detection of and signalling of the presence, entry or attempted entry of an intruder into the protected area is provided when the alarm system is armed.

1. Clear protected area and check doors, windows etc. are closed
2. Enter **0** followed by **CODE** or **0 # 4**
 - *If every thing is ok, exit buzzer sounds*
 - *Any open alarm zones will be displayed, arming action cancelled*
3. Exit protected area via the exit route
 - *At the end of exit time, if all circuits are closed the alarm system will arm.*
 - **■** *alarm system armed message displayed*

Exit Time

Exit time is the period in seconds between iniation of arming the alarm system and the alarm system being armed. During this time the buzzer will sound continuously or intermittently if the exit/entry or access zone is open. During exit time any other alarm zone opening will activate the internal bell. At the end of exit time, if the exit/entry or access zone is left open the alarm system will not arm and the internal bell will activate. To reset the alarm system enter 0 followed by CODE.

Alarm zone 1 can be set-up to act as an access zone. This is done by the alarm installation company.

Part Arming

Part arming the alarm system allows movement within the protected area while protecting the perimeter. The areas (zones) which are part guarded are selected by the installation company.

1. Check perimeter doors, windows etc. are closed
2. Enter **0 # 7**
 - *If all zones are ok, **n** part arming message displayed*
 - *Any open alarm zones will be displayed, arming action cancelled*
3. Alarm system armed after 3 seconds
 - **■** *alarm system armed message displayed*

Quick Arm

Quick arm allows the operator to arm the alarm system without using the operator code. Using the quick arm command exit time is cancelled and the alarm system arms in three seconds. The quick arm feature can be turned on or off. This is done by the alarm installation company.

1. Clear protected area and check doors, windows etc. are closed
2. Enter **0 # 5**
 - If all zones are ok, **d** quick arm message displayed
 - Any open alarm zones will be displayed, arming action cancelled
3. Alarm system armed after 3 seconds
 - **■** alarm system armed message displayed

Inhibit Zone

The inhibit facility allows the operator when arming to shut down a part (i.e. zone) of the alarm system. Any zone (1,2,3) or exit/entry (zone 0) which is open or closed when arming can be inhibited. The inhibited zone and any inhibited zone which is opened when armed is stored in operator memory. All inhibited zones are cleared when the alarm system is disarmed. Any errors (e.g. incorrect zone number) encountered when inhibiting will cancel the inhibiting action. Partially entered commands does not halt arming of the system.

1. Arm alarm system using CODE or quick arm command
2. Enter *****
 - **■** inhibit message displayed
3. Enter zone number e.g. **2** (enter 0 if require to inhibit exit/entry)
 - zone number displayed e.g. **2**
4. Enter *****
 - **■** inhibit ok message displayed
5. Repeat 2,3 and 4 if required to inhibit another zone
6. Alarm system arms
 - at the end of exit time if the CODE was used to arm system
 - within 3 seconds if the quick arm command was used

Disarm Alarm System

Use when the alarm system is armed. When the alarm system is disarmed, normal interaction within the protected area is allowed. Full protection is still provided for anti-tamper devices, personal attack detection devices and fire detectors.

1. Enter the protected area via the exit/entry route
 - entry time starts and the buzzer sounds intermittently
 - **■** alarm system armed message displayed
2. Enter **0** followed by CODE
 - alarm system disarms, disarmed message displayed
 - bells are reset if activating
 - any activation that signalled an alarm is displayed
3. Enter **0** to cancel displaying operator memory
 - **■** disarmed message displayed

Reset Alarm System

When disarmed and the alarm system is in alarm condition, the alarm system can be reset as follows:

1. Enter **0** followed by CODE
 - bells are reset
 - activation that signalled alarm is displayed
2. Enter **0** to cancel displaying operator memory
 - **■** disarmed message displayed

Entry Time

Entry time is the period in seconds when the alarm system is armed between opening the exit/entry zone and the alarm system signalling full alarm. During entry time the buzzer will sound intermittently, and opening of the access zone will not signal an alarm. Opening any other zone will signal a full alarm. At the end of exit time if the alarm system is not disarmed a full alarm will be signalled and **■** exit/entry message will be loaded to operator memory. The alarm system will remain armed.

Alarm zone 1 can be set-up to act as an access zone. This is done by the installation company

Personal Attack (P.A.) Alarm

The alarm system monitors all P.A. devices connected continuously when armed and disarmed. When a P.A. device is activated one of two types of alarm will be signalled, and the personal attack message is loaded to the operator memory. The type of P.A. alarm is selected by the alarm installation company.

(A) Audible P.A. Alarm

- P.A. alarm signal transmitted to the alarm monitoring station (if a digital communicator is connected)
- external and internal bells activate (no bell delay)

(B) Silent P.A. Alarm (requires a digital communicator)

- P.A. alarm signal transmitted to the alarm monitoring station

1. P.A. device activated e.g. P.A. button pressed
 - *P.A. alarm signalled*

To reset alarm system after P.A alarm, Enter **0** followed by **CODE**

- *if disarmed, the alarm system resets*
- *if armed, the alarm system disarms*
- **PA** message displayed

Enter **0** to cancel displaying operator memory

- **U** disarmed message displayed

Fire Alarm

All fire detection devices connected are monitored continuously when the alarm system is armed and disarmed. In the event of a fire activation, the external and internal bells will activate intermittently, and a fire alarm message is loaded to operator memory. If a digital communicator is connected a fire alarm signal will be transmitted to the alarm monitoring station.

1. Fire detected

- *fire alarm signalled (no bell delay, or bell time out)*

To reset the alarm system after a fire alarm, Enter **0** followed by **CODE**

- *if disarmed, the alarm system resets*
- *if armed, the alarm system disarms*
- **FA** message displayed

Enter **0** to cancel displaying operator memory

- **U** disarmed message displayed

Duress Alarm

The duress code may be entered at any time. When entered the control panel will signal a duress alarm. The duress alarm can one of two types (A) audible or (B) silent. In both cases a duress alarm is transmitted to the alarm monitoring station if a digital communicator is connected and the duress alarm message is loaded to operator memory. The check for the duress code and the type of duress alarm to signal is programmed by the alarm installation company.

The duress code is the operator code plus 1.

e.g. operator **CODE** = **2345** therefore **DURESS CODE** = **2346**

(A) Audible duress

- duress alarm transmitted to alarm monitoring station
- external and internal bells activate (no bell delay)

(B) Silent duress

- duress alarm transmitted to alarm monitoring station
- the duress code behave like the operator code.
 - if the alarm system is armed the system disarms and operator memory is not displayed.
 - if the alarm system is disarmed the system arms

1. Enter **0** followed by **DURESS CODE**

- *duress alarm signalled*

To reset system after a duress alarm, Enter **0** followed **CODE**

- *if audible duress, the bells stop*
- *the alarm system disarms or resets*
- **DA** duress message displayed

Enter **0** to cancel displaying operator memory

- **U** disarmed message displayed

A.C. Fail

The HomeGuard alarm control panel monitors the incoming A.C. supply to the alarm system. If the supply is removed the alarm system operates from a backup battery supplied by the alarm installation company. During an A.C. fail the display will show **AC** when the alarm system is disarmed. If the A.C. has failed when the alarm system is armed, the A.C. fail display message is loaded to operator memory.

Error Code Alarm

The operator is allowed eight attempts to enter the correct code before a code error alarm is signalled. When the correct code is entered the error key count is cleared. When a code error is detected the code error message is loaded to operator memory and a error code alarm is signalled. The error code check can be turned on or off. This is done by the alarm installation company. The error code alarm depends on the current alarm system status.

- (A) If the alarm system is armed
- the alarm control panel starts entry time
 - if alarm system is not disarmed during entry time, a full alarm is signalled
- (B) If alarm system is disarmed
- the internal bell activates

1. If the number of keys entered is greater than 8 times the CODE length
 - alarm system signals code error alarm

To reset system after error code alarm, Enter **0** followed by **CODE**

- if disarmed the alarm system resets
- if armed the alarm system disarms
- **EC** message displayed

Enter **0** to cancel displaying operator memory

- **U** disarmed message displayed

Alarm Condition

When the alarm system is armed, any activation detected on the alarm system zones (other than fire and P.A.) will signal a full alarm by transmitting a intruder alarm signal to a 24Hr. alarm monitoring station (if a digital communicator is connected) and timing a bell delay time, after which the external and internal bells will activate. The external bell will activate for the programmed period of time, if the alarm system is not disarmed. The internal bell will continue to sound until the alarm system is disarmed. When the alarm system is disarmed the event that caused the alarm will be displayed from operator memory.

The bell delay time and the external bell active time are programmed by the alarm installation company.

Read Operator Memory

Operator memory is an eight event log used to record alarm events and zone inhibits and A.C. fails. The operator memory is displayed automatically after the alarm system has been disarmed or reset. To cancel displaying of operator memory, enter 0. Operator memory can also be read by entering a command when the alarm system is disarmed.

1. Enter **0 # 8**
 - contents of operator memory displayed in an first in first out order
2. Enter **0** to cancel displaying operator memory
 - **U** disarmed message displayed

Chime Test

To run the test the alarm system has to be disarmed. When chime test is activated any activation on an alarm zone or on exit/entry will activate the buzzer for three seconds. The chime test feature can be turned on or off. This is done by the alarm installation company.

1. Enter **0 # 6**
 - buzzer sounds each time any alarm zone or exit/entry activates
2. Enter **0** to cancel test
 - **U** disarmed message displayed

Bell Test

To run bell test the alarm system must be disarmed. Bell test activates the external bell and internal bell in turn for ten seconds. At the end of bell test the buzzer will sound. The bell test feature can be turned on or off. This is done by the alarm installation company.

1. Enter **0 # 9**
 - external bell activates for 10 seconds
 - internal bell activates for 10 seconds
 - buzzer sounds and the test ends
- Enter **0** to cancel test
- **U** disarmed message displayed

Alarm System Information

Controlling System:	HomeGuard
Digital Communicator:	

System Set-up

Exit Time (seconds)		Entry Time (seconds)	
Bell Delay (minutes)		Bell Time (minutes)	
Zone 1 = Access	yes/no	Error Code Check	yes/no
Duress Code Check	yes/no	Allow Bell Test	yes/no
Duress Alarm	audible / silent	Allow Chime Test	yes/no
P.A. Alarm	audible / silent	Allow Arm Commands	yes/no

Local Alarm Part Arm Sensor Set-up

	Yes/No	Yes/No	Pulse Count	G.A. Level
Exit/Entry Zone				
Alarm Zone 1				
Alarm Zone 2				
Alarm Zone 3				

Zone Assignment

A1	t1
A2	t2
A3	t3
EE	tE
PA	tP
FA	