

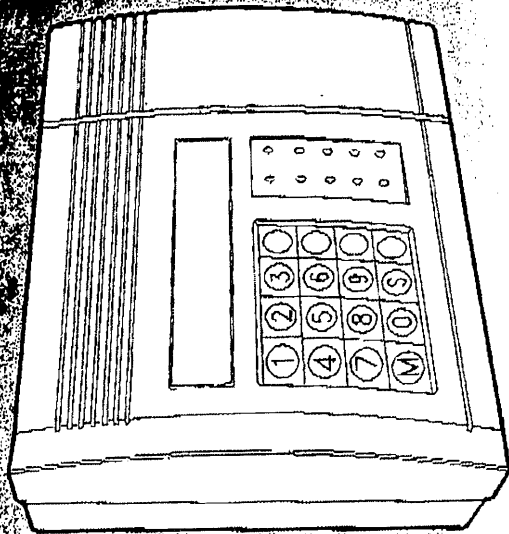
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SP00789

PROFESSIONAL

WIRELESS BURGLAR
ALARM SYSTEM



INCORPORATES

EasyFit
It's factory pre-set for you

FOR USE WITH MODEL 5850 MULTIZONE

INSTRUCTION MANUAL

READ THIS MANUAL FULLY BEFORE ATTEMPTING INSTALLATION

SYSTEM FEATURES

SPECIFICATIONS

Standard Specifications

- Remote control & keypad operation
- 7 Zone (6 Zone plus Tamper Zone) operation
- Panic feature
- Full tamper protection
- Compatible with any number of additional detectors
- Long range PIR movement detectors
- Control panel with built-in loud siren
- Instant activation zones with exit default & follow on
- Part arm feature for selected detectors
- Programmable siren duration
- Programmable entry time period
- Programmable exit time period
- Latching strobe output for wired strobe unit
- LED memory function to show activated zone
- Audible entry/exit countdown warning
- Audible zone identification function for detector testing
- Battery change mode for servicing and detector battery replacement
- Wireless SolarGuard external siren & strobe compatibility
- Wireless remote keypad compatibility
- Wireless smoke detector compatibility
- Auto telephone dialer compatible

Advanced specifications for use by professional installers

- Rx reception level indication from detectors
- Instant zone operation with entry & exit follow on
- Programmable jamming detection circuitry
- Programmable jamming duration
- Frequency channel monitoring
- Automatic noise level self test
- Programmable remote control disable function

Worldwide patents pending on programmable functions and interference detection features

Sherwood Industries

HELPLINE

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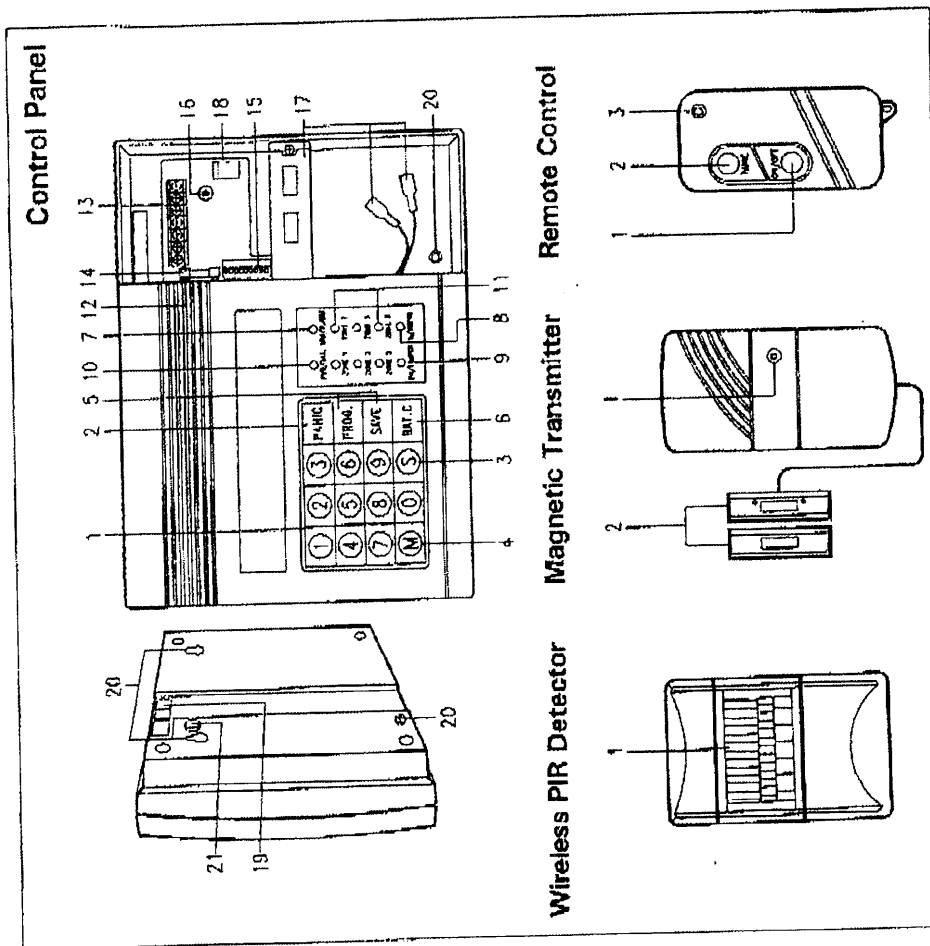
1. INTRODUCTION

Thank you for purchasing this Security System which represents a major step in the protection of your home and property. The Multi zone control panel and wireless detectors provide a very convenient and easy installation and is amazingly simple to operate.

The system uses the very latest in digital radio frequency technology and incorporates micro processor circuitry. The day to day use of other wireless products such as Mobile phones, intercoms and radio phones etc. cannot effect the normal operation of this system due to the incorporation of advanced interference detection circuitry compliant with BS6799 Class III.

This system also complies with the following relevant standards.
 License exempt DTI-MPT-1340 or ETS-300-220, ETS-300-683, BS 415, EN-60065 or TUV Safety Standard. EN-60950 system safety standard, Certified to BS 6707 & BS6799 (1986) Class III (true class III), EN-50082-1 (1992) general immunity, IEC 801-2 (2nd issue 1991) electrostatic discharge, IEC 801-3 (2nd issue draft 7) immunity to other radio transmissions & IEC 801-6 (1st issue draft 6) immunity to radio fields above 9 Khz. CE Certified.

2. ILLUSTRATION & DESCRIPTION (Fig. 1)



CONTROL PANEL

1. PANIC BUTTON

Press only in an emergency. Activates built-in & external sirens instantly.

2. S BUTTON

Used to arm, disarm & part arm the system.

3. M BUTTON

Used only when changing the keypad security code.

4. PROG. & SAVE BUTTON

Used when programming the system memory.

5. BAT. C BUTTON

Used when changing detector batteries.

ILLUSTRATION & DESCRIPTION (CONTINUED)

6. **POWER INDICATOR**
Indicates that the AC power is connected.
7. **ARM INDICATOR**
Indicates when the system is in Arm mode.
8. **P/ARM INDICATOR**
Indicates when the system is in Part Arm mode.
9. **Rx/MONITOR INDICATOR**
Indicates reception from a detector and interference detection.
10. **TAMPER/PANIC INDICATOR**
Indicates that a Tamper switch has been activated or a Panic button has been pressed.
11. **LOW BAT. INDICATOR**
Flashes simultaneously with the Zone indicator to identify a detector with a low battery.
12. **ZONE 1 - 6 INDICATOR**
The Zone indicator will illuminate for 2 minutes when a detector has been activated. If activated in Arm mode the indicator will remain on until the system is re-armed serving as a testing and memory function during day to day operation.
13. **EXPANSION CONNECTOR**
For external siren, strobe and auto dialer.
14. **FUSE: 1A/1.25 A**
15. **SITE CODE DIP SWITCHES**
16. **TAMPER SWITCH**
Designed to protect the rear access cover from removal. When removed, the sirens will sound instantly.
17. **BATTERY COMPARTMENT**
Holds 1 pc of sealed lead-acid rechargeable battery (12V/1.2A)
18. **AC ADAPTER INPUT JACK**
19. **CABLE ACCESS ROUTE**
Allows cable access into the back of the control panel.

WIRELESS PIR SENSOR

1. **PIR SENSOR**
To detect movement within its protected area.

MAGNETIC TRANSMITTER

1. **INDICATOR**
Indicates that a signal is being sent.
2. **MAGNETIC DOOR SENSOR**
To detect the opening of doors or windows.

REMOTE CONTROL

1. **ON/OFF BUTTON**
Used to Arm or Disarm the system.
2. **PANIC BUTTON**
To instantly trigger the sirens during an emergency.
3. **INDICATOR**
Indicates that signal has been sent and the battery is still working.

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SYSTEM DETAILS

- Remote control & keypad operation**
It is possible to operate the system via the Control panel keypad, remote control or an accessory Keypad unit
- Panic feature**
A remote panic feature enables sirens to sound instantly in the event of an emergency
- Full tamper protection**
All detector covers and the control panel rear cover are prevented from deliberate removal without first entering the special 'Battery Change command'
- Compatible with any number of additional detectors**
You can add any number of detectors to each zone
- Long range PIR movement detectors**
The PIR detectors are able to view an area up to 12 meters long at an angle of 110 degrees
- Built-in loud siren**
A loud siren is built-in to the control panel
- Entry/Exit zone (Zone 1)**
This zone is used to protect the main entrance and provides a period to disarm the system when entering the property
- Instant activation zones with exit default & entry zone follow on**
Zones 3 to 6 will activate the system instantly except zone 3 if zone 1 is activated first
- Part arm feature for selected detectors**
Arms the system but omits detectors set to zones 4 & 5.
- Programmable siren duration**
The siren will sound for the programmed siren duration period
- Programmable entry time period**
You can adjust the time allowed to enter your property and enter your keypad code before the siren sounds
- Programmable exit time period**
You can adjust the time allowed to exit the property following arming
- Latching strobe output for wired strobe unit**
If the system is allowed to sound its sirens for the programmed siren duration period the strobe can continue until the system is disarmed.
- LED memory function to show activated zone**
The arm & part arm light will remain lit with the zone light to indicate the system was activated when last set into Arm.
- Audible entry/exit countdown warning**
A warning tone is given upon arming reminding you of imminent siren activation if the property is not vacated during the exit period. During initial entry to the

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SYSTEM DETAILS (CONTINUED)

property you are also reminded to disarm the control panel with an identical warning tone.

Battery change mode for servicing and detector battery replacement
Disables the tamper switches and allows detector covers to be removed to replace batteries

Rx reception level/channel monitor indication

A singular momentary flash indicates a poor reception level indication from detectors. Multiple flashing or prolonged illumination for 1/2 second indicates a good reception level. Interference present on the frequency channel will cause the Rx LED to illuminate. If the jamming circuitry has been activated the LED will remain permanently illuminated.

Programmable jamming detection circuitry

Provides an early indication of possible interference present on the frequency channel. Can be programmed to activate sirens in the event of prolonged jamming.

Programmable jamming duration 'Patent Pending'

Unique to these systems this function allows the user to set the period interference is allowed to effect normal operation before the siren sounds

Frequency channel monitoring

Provides an early indication of possible interference present on the frequency channel

Automatic noise level self test

Following initial connection to the power the interference detection circuitry will measure the background noise to avoid false triggering of the Jamming detection circuitry

Programmable remote control 'Disarm' disable function

When switched on - prevents the system from being disarmed via the transmitted Disarm radio frequency code when the sirens have sounded. Disarm is only possible via the control panel keypad code

Mains power failure warning

In the event the mains power fails the power light will extinguish but the battery back up will maintain power for up to 24 hours.

Wireless SolarGuard external siren & strobe compatibility

The system is compatible with the SolarGuard wireless external Siren & Strobe unit available as an optional extra

Low detector battery warning

The Low Battery light will flash alternately with the Zone light to indicate a low battery in a detector operating on that zone

Frequency code combinations

There are over 500 different frequency code combinations referred to as the site code

Expansion connector

For the connection of wired accessories.

3. PLANNING YOUR INSTALLATION

Before proceeding with any part of the installation you must give very careful consideration to the location of detectors, the control panel and external siren unit. It would prove extremely useful if you sketch a plan of your property and identify the optimum location of each component of the system.

The base pack is designed to suit the smallest property and provide a significant improvement in protection. The use of additional detectors is strongly recommended in larger buildings, for example a home consisting of 4 rooms on the lower floor and 4 rooms on the upper floor should use at least 4 PIR Movement Detectors and 3 Door/Window Contacts.

Detectors set to Zone 4 & 5 will not activate the system when set into Home Mode. As an example - this is ideal for use in Bedrooms and a Hallway so that the system may be entered into Home Mode during the night thus allowing the occupants access to the upper rooms only.

NOTE

It is possible to add any number of detectors to each Zone.

Fig. 2 is a plan showing this type of dwelling and how best to position the detectors. The Control Panel is positioned at a center point between detectors for optimum reception performance.

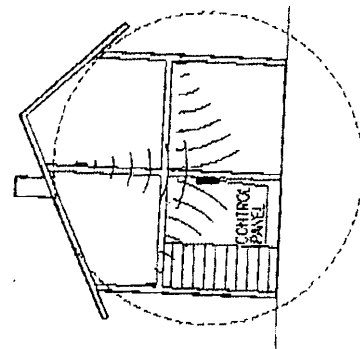
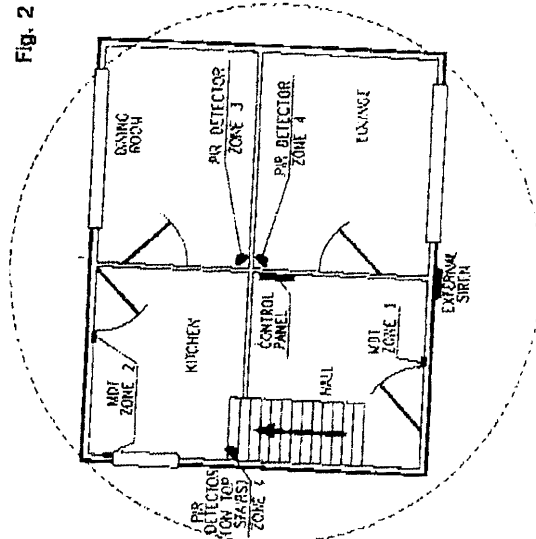


Fig. 2



The outer circles show the typical reception coverage from the control panel and all detectors should be placed within the circled areas.

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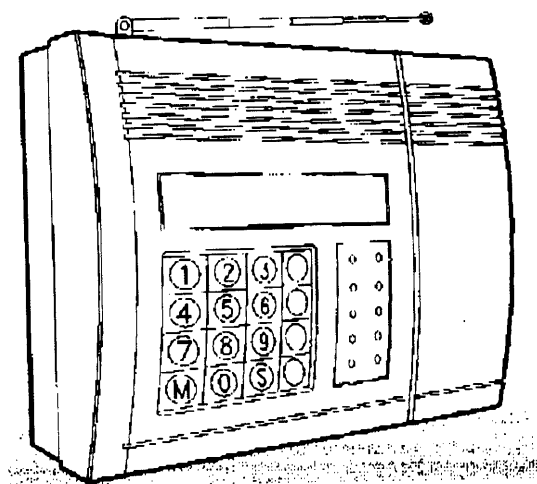
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July 1997

Information Sheet DAT00029

AEI Multi-Zone Wireless Alarm System (SR00789 SR00790 SR00791 SR00792 SR00793 SR00794 SR00795 SR00797)



Introduction

This is a professional 7-zone alarm system using the latest wireless technology and is fully programmable and features digital communication between the system's detectors and the control panel via a special frequency allocated to wireless burglar systems. It transmits through walls and ceilings and can be set to one of over 500 different frequency channels, thus eliminating any possibility of duplication. In addition to the 7-zones is a panic zone and a tamper zone. Each detector can be set to any one of the zones by simple switches inside the detectors. A receive light on the control panel provides an indication of an accurately received transmission and will indicate poor reception level condition at the control panel site. A low battery level indicator and part arm facilities are available.

This kit consists of:

- 7-zone control panel
- PIRs (x2)
- Magnetic Door Transmitter (MDT)
- Remote

- Siren strobe unit
- Batteries (x3)

Features

- Keypad security code for system access
- Entry/exit count down beeps
- Memory function shows which detector has activated the system
- Expansion connector for wired accessories
- Automatically re-arms after activation
- Wireless anti-scan function
- The units are DTI licence exempt MPT1340, BS415/TUV for power supplies and manufactured to BS6707:1986 & BS6799:3. Fully certified to European CS/CTS standards. Channel A for UK and B for all EC member states.

Control Panel

- 1 Keypad** Allows access to the system control functions
- 2 Panic Button** Press only in an emergency. Instantly activates built-in and external sirens

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3 S Button Used to disarm/arm the system into full or part arm status

4 M Button Used only when changing the keypad security code

5 Prog. & Save Button Used when programming the system

6 Bat C. Button Used when changing detector batteries

7 Power/Arm LED Indicates that the control panel is operational (green), or when the system is in Arm mode (red)

8 Rx LED Indicates reception level from detectors

9 Tamper/Panic LED Will light to indicate that a tamper switch or panic button has been activated

10 Low Bat. LED The LED will flash alternately with the zone LED to indicate the detector battery is running low and must be changed

11 Zone 1-7 LED The zone LEDs illuminate for 3 minutes when a detector has been activated. If activated in Arm mode the LED will remain on until the system is re-armed. This serves as a testing and memory function during day to day operation

12 Built-in Siren Sounds when the system is triggered

13 Terminal Block Expansion connectors for external siren, strobe and auto dialler

14 Fuse 1A

15 Site Code

16 Tamper Switch Designed to protect the front access cover from removal. When removed the siren will sound

17 Battery Holder/Battery Pin Terminals Holds a sealed lead-acid battery (12V 1.2A)

18 AC Adapter Input Jack

19 Cable Access Route/Knock-Out Cable access into the back of the control panel

20 Wall Mount Slot/Screw Hole Used to mount the control panel on the wall

Instruction Manual Contents

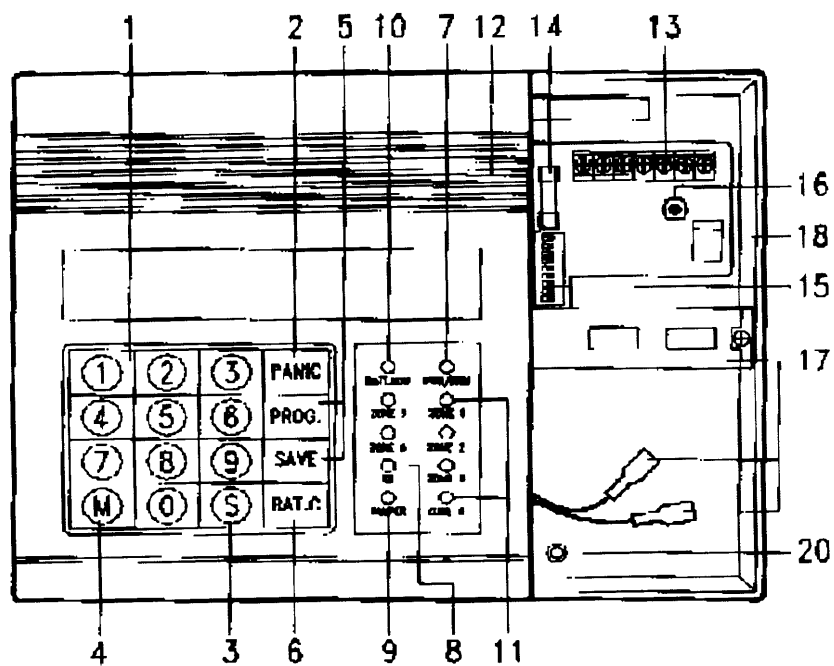
- Introduction
- Illustration and description
- Planning your illustration
- Glossary of terms and abbreviations
- Preparing the system for installation
- Installing and preparing the system for use
- Operating the system
- Programming the system memory
- Testing
- Expanding the system with accessory products
- Problem solving and fault finding

Accessories

Dummy Bell Box	SR00797
Remote Wireless Extender Unit	SR00795
Remote Keypad	SR00794
Smoke Detector Transmitter	SR00793
Wireless PIR Detector	SR00790
Remote Control, Panic Arm/Disarm	SR00791
Magnetic Door Expander	SR00792

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Control panel of the multi-zone wireless alarm system (SR00789)



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