

**AJ600**  
**4 ZONE PROFESSIONAL**  
**ALARM SYSTEM**

**INSTALLATION**  
**INSTRUCTION BOOK**

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**INSTALLATION HELPLINE 051-489 0166**

[www.ukpanels.com](http://www.ukpanels.com)

# SECTION 1

## INTRODUCTION

THE AJ600 Burglar Alarm System you have purchased will provide years of protection for your home and your family provided you take care to install the system correctly.

To ensure a trouble-free installation it is important to read the complete installation manual carefully before starting, and to follow each section carefully.

Keep this instruction book safe for future reference.

The equipment included in this kit can be separated into three sections.

### 1. The Control Panel.

The AJ600 control panel is like a mini computer, by pressing the 16 keypad buttons it allows you to select, change or inhibit with ease the many facilities available in the unit.

### 2. The Detectors.

Included in the kit are two passive infra-red detectors, these operate by detecting infra-red changes in their field of detection, therefore when situated correctly provides protection against unauthorised entry to an entire area, i.e. Living Room or Hall.

The two magnetic contacts are provided to protect entry to your property through windows or doors, once fitted and the door or window is closed the magnetic contact completes a circuit if the control panel is on and a door or window fitted with a magnetic contact is opened the break in the circuit will trigger an alarm. It is advisable to use one of the magnetic contacts on the main entry/exit door.

Additional detectors can be fitted to suit any installation.

### 3. The External Bell Box.

Once assembled the rustproof external bell-box houses the 115db maxisiren. To prevent someone deactivating the siren, front and back tamper-switches are provided (attached to RSCB), this means the siren will sound if either the front cover is removed or the whole assembly is pulled off the wall — even when the control panel is switched off. The rechargeable self-contained siren module (RSCB) monitors the power from the control panel to the siren, if the power is cut or interrupted the RSCB will sound the siren, and keep it running from its own internal power source, recharged automatically from the control panel.

#### Terms and abbreviations used in these instructions.

P.I.R.	— Passive infra-red detector.
M.C.	— Magnetic contact.
P.A.	— Personal attack button.
R.S.C.B.	— Rechargeable self-contained siren module.
L.E.D.	— Indicator light on the front of contact panel.
P.C.B.	— Printed circuit board.
Stand Mode	— Control panel is on stand-by.
Links	— Small lengths of wire connecting each pair of zone/circuit terminal blocks to stop alarm sounding once power is on.

## ZONES

The AJ600 control panel provides a facility for four detection zones one of which has to be used as an entry/exit zone. The other three zones can be allotted for detectors covering different areas of the property, a typical installation would be as follows.

Zone 1	— M.C. — Front door — Entry/Exit.
Zone 2	— Various detectors — Ground floor.
Zone 3	— Various detectors — Upper floor.
Zone 4	— P.I.R. — Garage.

In this example zones 1, 2 and 4 can be switched on whilst leaving the upper floor off for nighttime convenience (Nightset) or all zones can be switched on when the property is empty (Full guard).

Two further circuits are provided for 24hr. protection. The P.A. circuit is permanently monitored by the control panel and only personal attack buttons should be wired in to this circuit.

The 24hr. circuit is also permanently monitored and protects against tampering of any of the equipment connected to this circuit. Normally Control Panel, P.A. Buttons, P.I.R. and external bell box or any of the cables where all six wires are used.

This means that if either the P.A. circuit or the 24hr. circuit is triggered the alarm will sound even if the control panel is switched off.

## SECTION 2

### GENERAL SAFETY WARNINGS

Before starting the installation please read these general safety warnings.

1. The system operates on 12v provided by the transformer in the control panel, DO NOT connect the transformer to the mains power until the installation is complete. It is suggested that the services of a competent electrician are obtained to make the connections of the electricity mains to the control panel once the installation is complete and tested using the residual power of the 12v rechargeable battery provided.
2. The use of safety goggles is advised when drilling holes and hammering home the cable clips.
3. Before drilling check for hidden electricity cables and water pipes.

## SECTION 3

### CONTENTS

4 Zone Microprocessor based Control Panel.

Bell Box.

Siren.

Rechargeable Self-actuating Siren Module (RSCB) and Tamper Switches.

2 x Passive Infra-Red Detectors (PIRs).

2 Pairs of Magnetic Contacts (M.C.)

1 x Rechargeable Battery.

50 Metres of 6 Core Cable.

Cable Clips and Fixings.

Spare Control Panel Fuses.

Components packed in external Bell Box.

## TOOLS REQUIRED

Terminal Screwdriver.  
6inch. Slotted Screwdriver.  
No. 1 Point Crosshead Screwdriver.  
Wirestripper.  
Hammer.  
Drill.  
6.5mm Drillbit.

Additional equipment required — 5 amp 3 core main cable, sufficient to connect control panel to mains power supply.

## SECTION 4 PREPARATORY WORK

It is not advisable to wire the control into either a lighting circuit, or a ring main into which appliances with electric motors are plugged, e.g. refrigerators, vacuum cleaners, etc. The reason for this is that motors generate mains surges which can cause the microprocessor to momentarily malfunction.

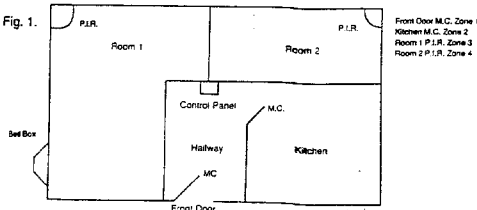
The ideal mains supply is direct from the consumer unit, on its own fused spur, therefore this can be prepared before starting the installation but not connected until the installation is complete.

### WARNING — ELECTRICITY CAN KILL!

Always switch off the mains before starting any electrical work and do not attempt electrical mains wiring if you are unsure of what to do, in doubt consult a competent electrician.

## PLANNING THE INSTALLATION

The plan below shows an example installation of the items contained in this system however additional detection devices can be purchased to expand the system to suit most requirements.



We strongly recommend that you prepare a rough diagram of the property and mark where best to site the detectors, bearing in mind the concealment of cables and ease of fixing of detectors.

It is worth careful consideration if a pet is in the household, as PIRs ought not to guard areas in which the pet is allowed free access whilst the alarm is set.

If you plan to use 'Nightset' i.e. Bedroom/Upper Floor detectors off, Ground Floor on, do not wire detectors from each area into same zone. The most vulnerable points of entry are the downstairs windows and doors particularly those at the side or rear of the property.

## DETECTOR PLAN

Before fitting the detectors, plan which detector groups are to be connected to which zones. Note one zone has to be allocated to entry/exit. Zone 1 is factory set as entry/exit. It is advisable to keep a note of detectors/zones to assist with fault finding or future extensions to the system. (Use final page of this booklet).

## SECTION 5 INSTALLATION

### FITTING THE CONTROL PANEL

Site the panel in a position (above the accessible height of small children, or in a cupboard, close to a mains electricity supply).

1. Remove the two front cover screws and the front cover, and place safely to one side in the box provided to eliminate the chance of damage.
2. Mark the two screw holes on the left and right hand sides of the top and the hole in the bottom centre on the wall and fix the panel loosely using only the two slotted holes at the top, only secure tightly once installation is complete.
3. The unit should be mounted on an even surface to prevent distortion.

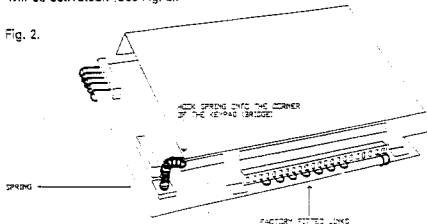
### SECURITY CODES

To programme the control panel either the user code (factory set 1234) or engineer code (factory set 9999) will be used. It is practical to leave the factory codes unchanged until the installation is complete.

### TESTING THE CONTROL PANEL

1. The panel is fitted with factory fitted links, to enable the panel to be tested prior to installation. (The tamper spring will need to be hooked under the bridge to depress the tamper switch, otherwise a 24 hour fault will show and the sounder will be activated). (See Fig. 2).

Fig. 2.



- Fit the 12 volt battery to the unit, observing the correct polarity, Red wire to Red terminal, Black wire to Black terminal and the alarm will sound, enter reset and user code (1234) PA, LED will illuminate, press reset. This sequence should be repeated whenever the power is interrupted. The rechargeable battery is automatically recharged when mains power is connected to the control panel.
- Enter the factory user code — (1234), and the day LED will be extinguished.
- Remove a factory fitted link from Zone 1 and the respective zone LED will light and a two-tone indication will be heard. Refit the link and the zone LED will extinguish.
- Repeat step 4 for all other zones.
- Test the lid tamper by releasing the lid tamper spring from under the bridge.
- Replace the spring under the bridge to hold down the tamper and enter reset and user code (1234) 24hr LED will be illuminated, press reset.
- To test 24hr. circuit press reset and enter user code (1234).
- Remove wire link from 24hr. terminals, alarm will sound, replace link and press reset and user code (1234), 24hr LED will be illuminated, press reset.
- To test R.S.C.B. and P.A. circuits repeat steps 8 and 9, removing wire link each time. To end test press reset, day LED will be illuminated.

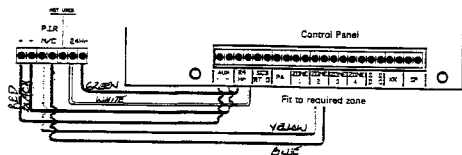
## SECTION 6

Siting and wiring of all detectors should be completed and cables run back to the Control Panel before Control Panel connections are made.

### FITTING THE PASSIVE INFRA RED DETECTOR

- Fit the PIR on any flat surface in the top corner of a room, in a position to deter intruders, and to protect likely point of entry.
- DO NOT** Site the PIR over a heat source.  
Site the unit looking directly at a window.  
Run the alarm cable near to mains cables.
- Remove the top cover by gently pulling it from the base. Remove the printed circuit board (PCB) from the base.
- Pass the end of a length of 6 core cable sufficiently long to connect to control panel through one of the knockout holes in the base.
- Screw the base onto the wall using the screws and plugs provided. Beware of hidden cables and pipes, we advise wearing safety goggles when drilling.
- Wire PIR as follows:— Complete all P.I.R. wiring before moving on.  
PIR + to Panel AUX + — Red wire.  
PIR — to Panel AUX — Black wire.  
PIR N to required zone terminal — Yellow wire.  
PIR C to the other terminal required zone — Blue wire.  
PIR 24 hour (see Fig 3) terminals to the 24 hour terminals in panel — Green & White wires.

Fig. 3.



- Refit the PCB, with the terminal block to the bottom.
- Replace the cover with the small squares on the lens cover at the bottom. (See connection of detectors to control panel section for control panel connections).

If PIRs and magnetic contacts or more than one detector of the same type are wired to the same zone they must be connected in series and not in parallel. The PIR power supply (+ — terminals) should continue to be wired in parallel, see Fig. 9.

- Adjustment (Range).**  
There is a vertical adjustment of the PCB to give the required range. Move PCB up to increase, and down to decrease.

- Walk Test.**  
After the system is powered up, allow four minutes for the PIR to stabilise. Slowly walk across the field of view and as you enter and exit a detection zone the LED will illuminate. Allow 10 seconds between each test to allow the unit to restabilise.

Fig. 4.

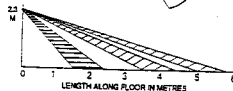
### PLAN VIEW OF DETECTION PATTERN

ANGLES AND DIMENSIONS

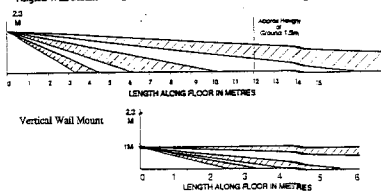
Plan View



Ceiling Mount



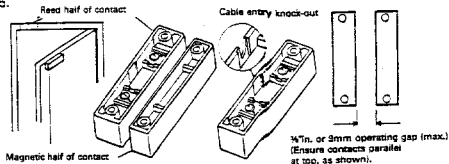
## SIDE VIEW OF DETECTION PATTERN



## FITTING THE MAGNETIC CONTACTS

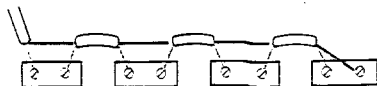
1. Screw the magnet half to the door as close to the edge as possible on the opposite side to the hinge.
2. Wire the reed half of the contact, as shown below, and wire back into the required zone in the panel. See Figs. 5, 6 & 7.

Fig. 5.



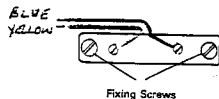
3. It is advisable to use a contact for the final entry/exit door, and so wire into this zone.
4. Up to 10 magnetic contacts can be fitted to the same zone. If more than one contact to a zone wire as shown in Fig. 6.
5. Connect blue wire to one of the chosen zone terminals and the yellow wire to the other zone terminal. See connection of detectors to control panel for full control panel connection instructions.

Fig. 6.



## Single Contact

Fig. 7



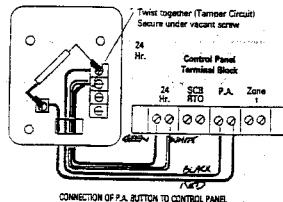
If magnetic contacts and P.I.R.s or more than one detector of the same type are wired to the same zone they must be connected in series and not in parallel. The power supply of the P.I.R.s should continue to be wired in parallel, see Fig. 9.

Remove the ends of any unused wires either at the end of the detector or in the Control Panel.

## FITTING PA BUTTONS (not supplied)

PA buttons can be fitted to the system as follows:—

Fig. 8.



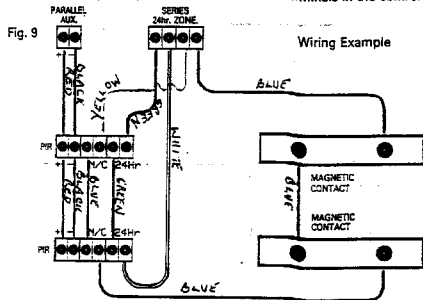
The PA pushes can be sited near the front door, or in a bedroom.

It is advisable to site them out of the reach of small children, and with the keys in a safe place.

If more than one P.A. Push is fitted, they should be wired in series, see Fig. 9.

See connection of detectors to control panel section for full control panel connection instruction.

1. Connect the Red + wire to the single left hand P.A. button terminal and to one of the P.A. terminals in the control panel.
2. Connect the Black — wire to the top right hand P.A. button terminal and to the other P.A. terminal in the control panel.
3. Twist together one end of the Green and White wires and connect to the second from top terminal in the P.A. button. At the control panel each wire should be connected separately to each of the two 24hr. terminals in the control panel.



## SECTION 7

### CONNECTION OF DETECTORS TO THE CONTROL PANEL

All detector wires should enter the control panel through the rectangular hole below the control panel P.C.B., strip only approx 1/4 inch of wire to avoid short circuits.

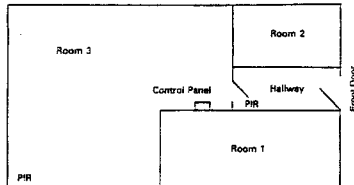
#### P.I.R. (See Fig. 3).

1. Press reset and enter user code (1234).
2. Connect Red wire (+) to the + Aux terminal and the Black wire (—) to the — Aux terminal. Wait approx four minutes to allow the P.I.R. to settle.
3. Remove the wire link from required zone, the zone light will be illuminated and the control panel will bleep.
4. Connect Yellow wire from P.I.R. terminal (N) to one of the required zone terminals in the control panel and the Blue wire from P.I.R. terminal (C) to the other zone terminal, the LED will be extinguished and the bleeping will cease, if bleeping restarts the P.I.R. has detected movement, press reset to return to day mode and check detection area.
5. Connect the Green wire from P.I.R. 24hr. terminal to one of the 24hr. terminals in the control panel and the White wire from the other P.I.R. terminal to the other 24hr. terminal in the control panel. The control panel will bleep, press reset and enter user code (1234) to return to day mode.

## WALK THROUGH ZONE

It is sometimes desirable to site the control panel in a position which is guarded by an additional detector.

Fig. 13.



If the walk through facility were not used then once the PIR sensed the movement an alarm would occur before the panel was closed down.

The walk through zone allows a period of time similar to that programmed for the Entry/Exit delay before going into alarm. BUT ONLY IF THE ENTRY/EXIT ZONE IS ACTIVATED FIRST. IF THE ENTRY/EXIT IS NOT FIRST ACTIVATED, AN INSTANT ALARM WILL RESULT.

### SELECTING THE WALK THROUGH ZONE

All or any zones can be designated as walk through zones, with the exception of the Entry/Exit zones.

1. Press RESET, PROG, FUNC. and insert the *VSE* code. (Factory set 1234). Day LED will flash.
2. Press 5. Any preprogrammed walk through zones will show as illuminated LEDs. Steps 2, 3 and 4 must be entered within 10 seconds or panel will revert to Engineer code.
3. To make a zone walk through press the requisite zone number. The zone LED will light. To remove the walk through facility, press the zone number, and the LED will extinguish.
4. Press PROG. FUNCTION to store selection, an acceptance bleep will be heard.

### CHIME ZONE

This facility allows the system to monitor the movement of persons around the building whilst the system is disarmed.

As a door is opened, or a PIR senses a movement, then the control panel will give an indication ("chime"). This is useful on external doors, but beware of putting a PIR in a main living area on this function as the constant chiming becomes a nuisance.

### SELECTING THE CHIME ZONE

All of any zones can be chime zones. They are entered or removed as follows:—

1. Press RESET, PROG, FUNC. and enter user code (1234) Day LED will flash.
2. Press 2 and then the appropriate zone number. The zone LED will be illuminated. (To remove a zone, press that zone number and the LED will be extinguished), steps 2, 3, and 4 must be entered within 10 seconds or panel will revert to user mode.
3. Press PROG. FUNCTION. An acceptance bleep will be heard, and the DAY LED will be flashing.

## ENTRY TIME ADJUSTMENT

1. With DAY and 24 HOUR LEDs flashing (Engineer mode).
2. Press 6. Two LEDs will illuminate, the DAY and 24 HOUR LEDs continue flashing.
3. Enter the number of seconds required, i.e. 01 = 1 second, 99 = 99 seconds.
4. The 2 LEDs will have extinguished, an acceptance bleep will sound, the DAY and 24 HOUR LEDs will still be flashing.

## EXIT TIME ADJUSTMENT

1. With the DAY and 24 HOUR LEDs flashing (Engineer mode).
2. Press 7. Two LEDs will illuminate.
3. Enter the number of seconds required i.e. 01 = 1 second 99 = 99 seconds.
4. The 2 LEDs will have extinguished an acceptance bleep will sound, the DAY and 24 HOUR LEDs will still be flashing.

## ZONE OMIT/PREVENT ZONE OMIT

Zone omit is used when a particular zone is not required when arming the system usually the upper floor for nighttime setting or a zone where there is a pet present, for full instructions see Section 12.

To prevent accidental zone omission it is possible to programme the discontinuation of the zone omit facility.

## TO PREVENT ZONE OMIT

1. Ensure you are in Engineer mode (i.e. DAY and 24 HOUR LEDs flashing).
2. Press 9. The DAY and previously programmed prevent omit zones will flash. Steps 2-5 must be entered within 10 seconds or panel will revert to Engineer code.
3. Press the number of zone required to be NON-OMITTABLE.
4. To remove any previously omitted zones, press the requisite zone number and the LED will extinguish.
5. Press PROG. FUNCTION to store selection.

If DAY light is flashing and you wish to return to standby, press arm then reset and enter code (1234).

## SIREN DURATION

To comply with Local Authority Bylaws the unit is set to run for 20 minutes. This can, however, be adjusted as follows:—

1. With the panel in Engineer mode, i.e. 24 HOUR and DAY LEDs flashing.
2. Press 4. Two zone LEDs will light.
3. Enter the number of minutes you require the siren to sound for, i.e. 01 = 1 minute, 99 = 99 minutes. The 2 LEDs will now be extinguished.

## ENGINEER ONLY RESET

The unit leaves our factory in the user reset mode. It is possible to:—Programme Engineer only reset.

1. Ensure in Engineering mode. (Day and 24hr LED flashing).
2. Press 4. Zone 4 LED will illuminate.
3. Press PROG. FUNCTION to store.

## SYSTEM RESET

If you are unsure that the correct information has been programmed the control can be returned to factory set by one of two means:—

- A. Disconnect the battery with the mains power switched off.
- B. Press 8. The unit is now in its factory set mode with the Day light on. All previous programmes now need to be re-entered.

## CHANGE USER CODE

It is advisable not to leave the control panel in the factory set code (1234). Instead choose your own personal 4 digit code. It is advisable to change user code after all programming has been completed.

1. Press RESET.
2. Press PROGRAMME FUNCTION and insert the user code (1234), and the DAY light will begin to flash.
3. Press 1. The four zone lights will now be illuminated.
4. Enter the new house code. As each number is pressed an LED will be extinguished. Once all the 4 numbers have been entered an acceptance bleep will be heard and the DAY light will begin to flash.
5. Press RESET to return to DAY mode.

## CHANGE ENGINEER CODE

The factory set Engineer code is 9999. It is advisable to change Engineer code after all programming has been completed.

To change the Engineer code:—

1. Ensure DAY LED is illuminated.
2. Press PROG. FUNC. All LEDs will illuminate.
3. Insert PROGRAMME code (9999), the DAY and 24 HOUR lights will flash to indicate you are now in Engineer Programming mode.
4. Press 1. The 4 zone LEDs will now light.
5. Enter your new 4 digit code (it is best not to make it the same as the user code) with the press of each digit a zone LED will extinguish. After the final digit is entered a 2 tone bleep will sound, and the DAY and 24 HOUR LEDs will be flashing.
6. Press RESET to return to DAY mode.

## SECTION 10

### CONNECTION TO THE MAINS ELECTRICITY SUPPLY

#### — WARNING: ELECTRICITY CAN KILL! —

It is **NOT** advisable to wire the control into either a lighting circuit, or a ring main into which appliances with electric motors are plugged, e.g. refrigerators, vacuum cleaners, etc. The reason for this is that motors generate mains surges which can cause the microprocessor to momentarily malfunction.

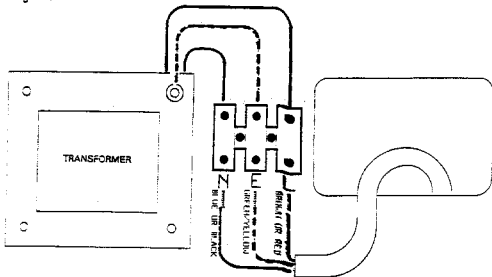
The ideal mains supply is direct from the consumer unit, on its own fuse spur.

**IF IN ANY DOUBT AS TO HOW TO MAKE THE CONNECTIONS CONSULT A QUALIFIED ELECTRICIAN.**

You will require 5 amp 3 core cable sufficient in length to connect the control panel to the mains power supply.

Feed one end of the 3 core cable through the back of the control panel and connect as follows to the transformer terminal block.

Fig. 14.



Live (L) Red/Brown. (Neutral) (N) Black/Blue. Earth (E) Green and Yellow.

Tighten the control panel fixing screw.

Remove the anti-tamper spring from under the edge of the bridge and replace the cover of the control panel. Press Reset and enter User code, press Reset to return to Day mode.

Connect the other end of the mains cable to a fused spur, ensure the correct polarity is observed. If in doubt as to how to make the connections consult a qualified electrician.

## TESTING THE EXTERNAL SIREN AND STROBE

1. Press PROG. FUNC. All LEDs will illuminate.
2. Insert user code (1234). The DAY light will now flash.
3. Press O. The DAY LED will illuminate.
4. Press 2. The strobe (if fitted) will be activated. Press O to deactivate.
5. Press 3. The siren will sound. Press O to deactivate.
6. Press reset. The LED will now flash.
7. Press reset again to exit programme function.

If the system has been armed and the user code has been forgotten.

1. Switch off mains power.
2. Disconnect the rechargeable battery.
3. Wait for 30 seconds before re-connecting rechargeable battery and switching on mains power.
4. If the external siren is sounding press reset and factory set user code (1234).
5. Control panel will require re-programming with previous information.

## SECTION 11

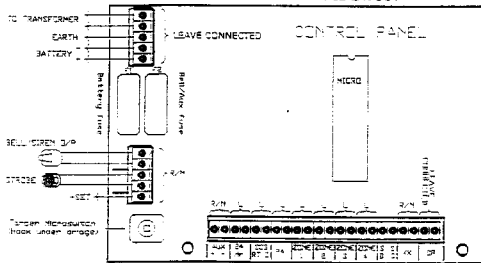
### FAULT FINDING ON THE SYSTEM

To check control panel — **WARNING. SWITCH OFF AT MAINS BEFORE REMOVING FRONT COVER.**

Fault — If the Control panel is not active when power is on check the two fuses in the control panel have not blown — if blown replace fuses with those supplied.

For the Control panel checks return panel to original condition by following instruction in Fig. 15.

PCB LAYOUT



N = NO LINK TO BE FITTED.

R = REMOVE WIRES.

L = REMOVE WIRES REPLACE WIRE LINKS.

If Fuse wire will do if factory links are lost.

**WARNING: TAKE CARE, WIRE LINKS MUST ONLY BE FITTED AS ILLUSTRATED CONTROL PANEL WILL BE DAMAGED IF WIRE LINKS ARE FITTED TO WRONG TERMINALS.**

Remove anti-tamper spring from under bridge, press reset and enter user code.



The Day LED should now be on, if it is not remove Red wire from battery and switch off mains power supply if still connected, wait 30 seconds, reconnect Red wire to battery if Day light fails to illuminate, repeat the test again if the Day light fails again contact HelpLine for further instruction.

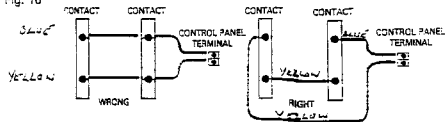
With Day LED illuminated repeat the zone tests detailed in Section 5 — Testing the Control Panel, if a fault is found contact HelpLine for further instruction.

If no fault is found re-connect all installation wires and check each zone detectors and wiring in turn.

### TO CHECK MAGNETIC CONTROLS

1. Check that a series circuit is used and not a parallel circuit if more than one contact is connected to a zone.

Fig. 16



2. Check that there is no more than one wire in each terminal at the Control panel, e.g.

Fig. 17

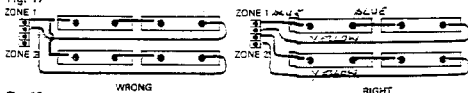
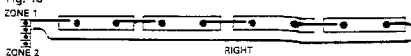
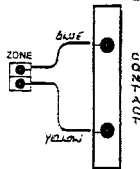


Fig. 18



### TO CHECK INDIVIDUAL CONTACTS

Fig. 19



1. Press RESET and enter user code (1234).
  2. Open the contact, the zone LED will illuminate and the control panel will bleep.
- 20

### TO CHECK P.I.R.s

1. If P.I.R. is failing to detect.
  - A. Check P.I.R. P.C.B. is not upside down.
  - B. Check lens is on correctly.
  - C. Check power connections, e.g. + Red — Black is connected to the correct terminals and/or check Blue and Yellow wires are correctly fitted.
2. If P.I.R. activates alarm when control/panel is on stand-by (Day LED illuminated).
  - A. Check wiring e.g. Yellow and Blue wires are to zone terminals not to 24hr. terminals.
  - B. Check front cover of P.I.R. is correctly fitted and carefully tightened down. If it is not the tamper switch will trigger a 24hr. LED on Control panel will be illuminated and alarm will sound.
3. To check wiring fault:—
  - A. Press reset, enter user code (1234). Remove Green and White 24hr tamper in Control panel external siren will sound, press reset and enter user code, replace wire link, press reset.
  - B. Remove Yellow and Blue wires from N and C terminals in P.I.R. and twist together leave Yellow and Blue wires connected to relevant terminals in the Control panel.
  - C. If the zone LED remains lit and/or panel bleeps the fault is due to wiring not the control or detector.

### TO CHECK PERSONAL ATTACK BUTTON

1. Check wiring is correct, refer to Fig. 8.
2. Check Red button is not depressed, reset using key provided.
3. Check P.A. button is not faulty.
  - A. Remove front cover from P.A. button.
  - B. Twist Red and Black wires together.
  - C. Press reset, Day LED will be illuminated.
  - D. Return to P.A. button and untwist Red and Black wire to break the circuit.

### TO CHECK EXTERNAL SIREN

FAULT	CHECK
Continuous Siren	A. Wiring is correct between Control panel and R.S.C.B. (see Fig. 11).
	B. Front galvanised screw has fully depressed front tamper-switch.
	C. Back tamper-switch is fully depressed against wall.
	D. Power is on at Control panel at the mains or battery.

If you wish to silence siren whilst fault finding it is possible to remove either Red or Black wire from RSCB.

No external Siren  
In alarm connections.

- A. Wiring is correct between Control panel and R.S.C.B.  
B. Siren wire is connected as follows Red or Red + Black siren wire is connected to bell + (term 4) on R.S.C.B. and Black siren wire is connected to — (term 3) on R.S.C.B.

### TO CHECK R.S.C.B.

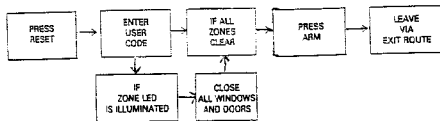
1. Remove Siren wires from R.S.C.B. and connect directly to bell + and — terminals at the Control panel if Siren sounds when Control is in alarm condition, R.S.C.B. is at fault.

If a fault on any unit is discovered contact the Helpline — 051-489 0166.

## SECTION 12

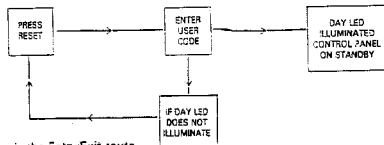
### USER OPERATING INSTRUCTIONS

#### ARMING THE SYSTEM



1. Press RESET.
2. Insert user code. DAY light will extinguish.
3. Check all zone lights extinguished. If light on, check detectors on that zone, i.e. open door.
4. Once all zones cleared, press ARM.
5. Leave promptly via the exit route whilst the exit sound is heard.
6. Once the exit sound has stopped the system will be armed.

#### DISARMING THE SYSTEM

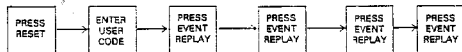


1. Enter via the Entry/Exit route.
2. The entry tone will be heard.
3. Press RESET.
4. Enter the user code.
5. The DAY LED will illuminate.
6. If the alarm has activated in your absence the zone(s) activated will be shown.

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### EVENT REPLAY

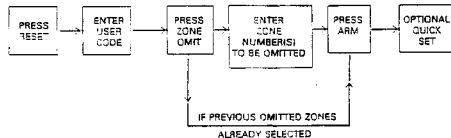
If the system has been activated the EVENT REPLAY feature will enable you to discover which zone(s) the intrusion took place in.



1. Do not press RESET after alarm has been switched off.
2. Press EVENT REPLAY up to 4 times to display past events.
3. Press RESET twice to return to the DAY mode.

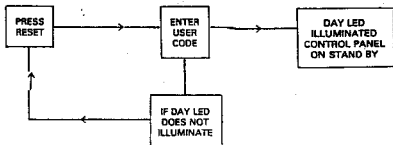
### NIGHT TIME SECURITY —

#### ARMING THE SYSTEM WHEN ON THE PREMISES



1. Check DAY light on.
2. Press RESET enter user code. DAY light extinguishes.
3. To omit zones not required, press ZONE OMIT (DAY LED starts flashing).
4. Enter the number(s) of the zone(s) not required. The omitted zone lights will be illuminated. To restore previously omitted zone enter zone number again, zone LED will be extinguished. *PRESS ZONE OMIT AGAIN*
5. Press ARM and the exit tone will be heard. It is possible to QUICK SET the system and silence the exit Tone by pressing the QUICK SET button (provided no sensing devices have to be passed).

## DISARMING THE SYSTEM WHEN ON THE PREMISES



1. Go to the panel via the designated route.
2. Press RESET.
3. Enter user code. The unit will enter the DAY mode and the yellow Day light will illuminate.

N.B. If an incorrect user code is entered 4 times the panel will go into alarm and the 24 HOUR LED will light to indicate the unit has been tampered with.

## DETECTOR PLAN

ZONE 1 .....

ZONE 2 .....

ZONE 3 .....

ZONE 4 .....

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