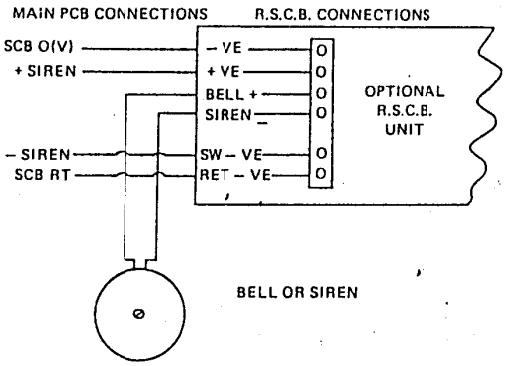
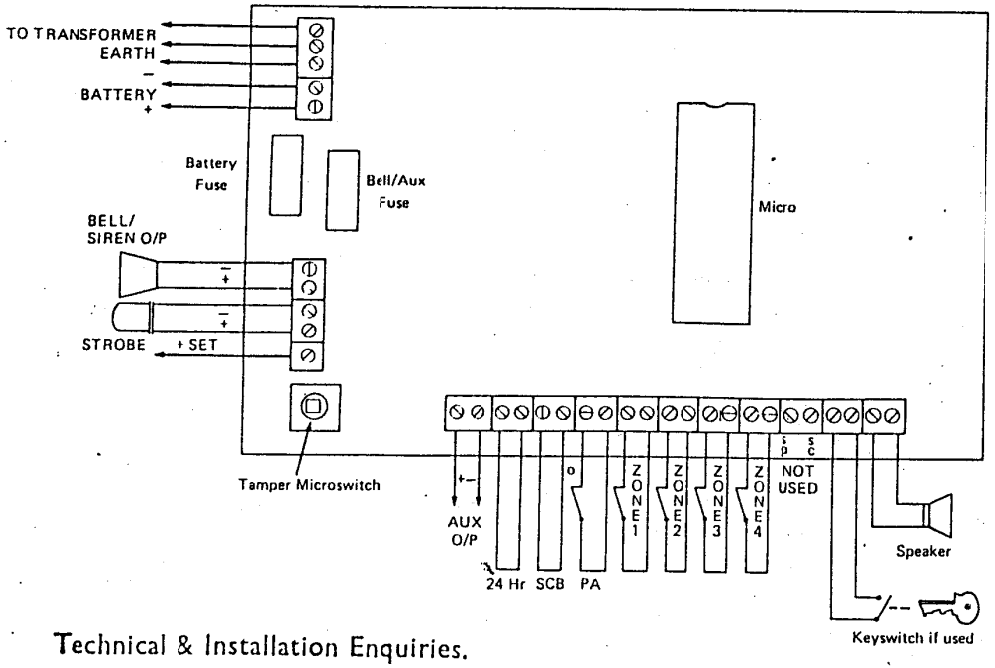
DIAGRAM SHOWING CONNECTION OF R.S.C.B.




PCB LAYOUT




Technical & Installation Enquiries.
Telephone. (051) 489 0166

UK Security Panels

# OMNICRON 6000
# Dual Control 4 Zone Security Panel
# Keypad – Keyswitch

**Please read these instructions carefully before installing to ensure trouble-free commissioning.**

This unit allows a variety of options to suit most installations. In allcases taking advantage of the programmes offered by the microprocessor.

1. Keypad operation.

2. Keyswitch operation (with panel mounted in isolated position) allowing simple operation by the aged or disabled.

3. Keypad at main control point, keyswitch adjacent or at remote site (ie by bedside allowing full system in use under night conditions).

REFERENCE ONLY

**Installation**
To fix the unit to the wall remove the 2 securing screws from the front of the unit. The whole front cover can now be removed. Hold the unit to the wall and mark the position for 3 fixing screws.
The base should be mounted on an even surface, to prevent distortion. Remove the thin wall section of the base where the cables are required to enter.

**Setting Up**

**Testing The Unit**

The unit has been fitted with links, which take the place of the external wiring and sensors for test purposes. It is therefore possible at this stage to check the unit's operation. Note that a spring attached to the Tamper Switch is fitted adjacent to the keypad. This spring should be hooked under the corner of the keypad for the purpose of this test thus closing the tamper switch. Connect the battery to the red and black battery leads observing the polarity. Making this connection will power the unit and the 'DAY' indicator LED will be illuminated.
Each Zone may now be tested, as follows.
The Unit has been set with a user code of 1234 (it is explained later in these instructions how to alter this to one of the users choice).
Enter the User Code (1234). The 'DAY' LED will now be extinguished. A Zone fault may be introduced by removing a factory link. A RED LED will be illuminated noting which Zone is now open circuit and thus portraying the presence of an intruder. This may be repeated for all Zones.

**Connecting Various Sensing Devices To the Unit**

The unit should be left connected to the battery and the factory links replaced as required by the external circuits. Ensure that the User Code (1234) has been entered. As each Zone circuit factory link is removed the unit will show a Zone alert visually and audibly. When external alarm protection circuits are connected the Zone alerts will disappear. If they remain in the alert state, then the external circuit is defective. This should be corrected before proceeding further. The above mentioned external circuits would be 'normally closed' when the sytem is armed.
The external circuits connected to the control unit will also contain the anti-tamper loop wires. These should be connected in series and the 2 ends inserted into the 24 hour terminals, but disconnect the battery before making this connection.
Any 'normally open' devices may now be connected between the Zone and 24 hour circuits.
The external sounding devices may be connected ie. Bell or Siren to the Bell terminals on the unit. If a strobe is fitted, connect the strobe to the terminals marked STR on the unit. OBSERVE CORRECT POLARITY IN BOTH OF THE ABOVE.
Reconnect the battery and press reset twice to return to the day mode.

**Programming The User Functions**

**1. ALARM TEST FUNCTION**
Press 'Programme Function' all LED should illuminate. Insert User Code (1234). The 'DAY' LED should now flash. Press '0'. The 'P.A.' and '24 hour' LEDs will now illuminate.
Press '2' Strobe will be activated. Insert '0' to de-activate
Press '3' Bell will be activated. Insert '0' to de-activate
Press '4' Low sounder will activate. Insert '0' to de-activate
Press '24' High sounder will activate. Insert '0' to de-activate
Press '5' This allows user or engineer to 'walk test' all zones. Insert '0' to de-activate
Press 'Reset', the 'Day' LED should be flashing, indicating the unit is still in the 'Programme Function' state.

### User Security Code

To maintain security, the user should choose his/her own user code, as follows.
Press 'Programme Function'. Insert User Code. The 'DAY' LED will now be flashing.
Press '1' Zone 1, 2, 3 and 4 LED's will now be illuminated. Enter the 4 digit number you have selected. As each number is entered one LED will be extinguished. A 'Bleep' will be heard and the 'Day' LED will flash once the number has been accepted.

### Chime

Any zone may be selected or removed as a 'Chime' zone as follows:
Press '2' then insert the appropriate zone number. To return to Programme, press 'Reset' once. A beepshould be heard and the 'Day' LED should be flashing.

### Selecting Exit Zone

A zone should be designated for Entry/Exit purposes.
To either designate or change the zone follow this procedure: (Factory selection Zone 1).
Press '3' the current Entry/Exit zone LED will be illuminated. Insert the number of the zone you wish to be used for Entry/Exit purpose. Press 'Reset', an acceptance bleep will be heard and the 'Day' LED should be flashing.

### Walk Through

Any zone other than the Entry/Exit zone may be designated as a Walk Through zone.
Press '4' any existing 'Walk Through' zone willbe indicated by the appropriate LED beingilluminated. To remove 'Walk Through' from a zone, press the appropriate zone key number and the zone LED will extinguish confirming its removal.
To add a zone, insert the number of the zone required.

## User Operating Instructions

### Arming the System

1. Insert your User Code (4 digit).
2. Ensure all zone circuits are correctly armed. An illuminated zone LED would indicate anopen door or similar problem.
3. If all zone indicator LEDs extinguish, press 'Arm'. An Exit tone will be heard which will change in tempo. Leave promptly by the approved route. The system will become active (armed) consistent with the time previously selected for Exit.

### Dis-Arming the System

1. Enter through the approved route.
An entry tone will be heard which will change in tempo.
2. Press the 'Reset' key on the control unit and enter the User Code. The system has now reverted to the day mode, which is confirmed by the illumination of the 'DAY' LED.
5. If the Alarm has been activated since your departure, the zone in which the intrusion occurred will be displayed.
To return to 'Day' mode press 'Reset'.

### Night Time Security Arming the System When on the Premises

1. Insert User Code ('Day' LED will be extinguished). On entry tone will be heard which will change in tempo.
2. Toomit zones not required press 'Zone Omit' followed by the zone or zones not required. The selected zones will be illuminated.
3. Press 'Zone Omit' again
4. Press 'Arm' and the Exit Tone will be heard. At this point the 'Quick Set' may be pressed to eliminate the exit delay time, provided no sensing devices have to be passed.

### Disarming the System When in Premises

1. Make way by planned route to Control Panel.
2. Press 'Reset' and enter User Code. The system should now be in Day mode which will be signified by the illumination of the 'Day' LED.
**NOTE:** If a full alarm condition exists the system can be silenced only by the entry of 'Reset' followed by the correct user code. Also the system will activate to the full alarmcondition after 4 incorrect user codes have been entered.

### Keyswitch

Use of keyswitch as an alternative to the keypad, when used it will provide the features already programmed.

### Historical Information

The 'Event Replay' key will allow an investigation to take placeinto the history of intrusion (or failure of sensing devices). To use this feature, press 'Reset' then 'Prog Func'. All LEDs will now be illuminated. Insert User Security Code, the 'Day' LED will now flash.
Press 'Event Replay' upto 4 times to display upto 4 prior failures.

### KEYPAD OPERATION

Keep pressing any key on the keypad until the acceptance bleep is heard. On some operatons there might be a slight delay.

### Engineer Programming Instructions

To obtain Engineer Programming Mode.
Press 'Prog Func' (all LED's will be illuminated).
Insert the Factory Selected Engineer Code (9999).
The 'Day' and '24 hour' LED's will now be flashing, which indicates you are now in the Engineer Programming Mode.

### Select Engineer Code

Press '1'. The 4 zone LEDs will now be illuminated. Enter your selected new 4 digit code (1 LED will extinguish for each digit entered). An acceptance bleep will be heard after the last entry.

### Engineer or User Reset

The Control unit is Factory adjusted for User Reset. To reset from the Engineer Mode press '4', an acceptance bleep will be heard. To return to User reset press '4' once more. Another bleep will signify that you have returned to User Reset.

### Bell Duration

The Control Panel is factory adjusted to Alert for 20 minutes after which time the alarm will be silenced and the control unit will rearm. This time cycle may be altered as follows:
Press '5' and 2 zone LEDs will be illuminated. Enter the number of minutes required (example 01 = 1 minute 14 = 14 minutes) an LED will be extinguished for each digit entered. An acceptance bleep will be heard after the entry and 'day' and '24 hour' should be flashing.

### Entry Time

The time allowed to reach the control panel to disarm after entering the premises by the planned route may be varied as follows:
Press '6' and 2 zone LEDs will be illuminated. Enter the number of seconds required (example 01 = 10 seconds) 03 = 30 seconds) an LED will be extinguished for each digit entered. An acceptance bleep will be heard after the last entry and the 'Day' and '24 hour' LEDs will be flashing.

### Exit Time

The exit time may be altered in a similar way to the entry time, the only change being to implement this by pressing '7' instead of '6'.

### System Reset

The control unit may be returned to it's 'Factory Set Condition' as follows:
Whilst in the Engineer mode which is obtained as described earlier, press '8'. A series of double bleeps will be heard indicating the unit has returned to it's original factory setting. The 'Day' and '24 hour' LEDs will be flashing.

### Prevent Omit

There is a facility available to theuser which allows the omission of zones. There may be occasions when those in authority wish to restrict the use of this facility. It is possible for this to be carried out in the Engineer mode as follows:
Whilst in the Engineer mode press '9' (the 'DAY' LED will begin to flash). Press the appropriate number for the zone you wish to omit, then press 'Reset'. An acceptance tone will be heard and the 'Day' and '24 hour' LED's will still be flashing.

### FINAL DOOR EXIT

Theunit may be programmed to arm within a few seconds of the final exit door being closed instead of allowing the exit time to run its full course. Press '3' then 'RESET' – to remove press '3' then 'RESET'.

### TO EXIT ENGINEERS FUNCTION

Press 'Reset'.

### KEYSWITCH UNIT

A remote keyswitch unit (anti-tamper) is available for use with the Omnicron 6000.

**Please fill in:**

Zone 1 covers area .....

Zone 2 covers area .....

Zone 3 covers area .....

Zone 4 covers area .....

UK Security Panels