

SOLITAIRE



Congratulations on being the proud owner of Solitaire, a step into ultramodern protection. Solitaire was created to meet today's technologically advanced demands of integrating security with automation. Solitaire, our super control panel is an 8 zone panel with a built-in 2 message 30 number auto dialer, which will automatically call you, your friends, your family and the police in case of an emergency. Its automatic arming and disarming facility brings easy security to your door step. Solitaire can also be remotely operated through a telephone line. You can use any telephone across the world to call the panel, to arm or disarm the panel, to change the access codes, to check whether the alarm has been triggered in your absence and to switch on or off any 4 electrical devices and all this is only a phone call away. Not only can the 4 electrical devices be switched on or off through the telephone, but they can also be switched on or off from the onboard keypad on the control panel, thus making Solitaire not just a security system but also a mini building management system, with the ability to protect your lifestyle and automate it all at the same time. We wish you a peaceful life and an enjoyable Solitaire experience!

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LCD BASED 8 ZONE CONTROL PANEL WITH BUILT IN SPEECH DIALER WITH AUTOMATIC ARMING & DISARMING AND REMOTE ACCESS THROUGH TELEPHONE

A) CONTROL PANEL FEATURES:

- MICRO-CONTROLLER BASED
- LCD DISPLAY REMOTE KEYPAD
- 3 STATUS LEDs – ARMED, POWER AND DIALING
- 16 KEY BACK LIT KEY PAD
- SLEEK WHITE ABS BODY WITH KEY PAD COVER
- SEPARATE MAIN CONTROL STATION FOR CONNECTION
TERMINALS AND POWER SUPPLY UNIT
- TWO ACCESS CODES – MASTER AND SERVANT
- PART ARM FACILITY
- AUTOMATIC ARMING FACILITY
- AUTOMATIC DISARMING FACILITY
- CAN BE OPERATED THROUGH CELLULAR MOBILE OR
TELEPHONE LINE USING DTMF INSTRUMENT
- NUMBER OF RINGS AFTER WHICH PANEL RESPONDS IS
PROGRAMMABLE
- PANEL CAN BE ARMED AND DISARMED THROUGH TELEPHONE
- CODE CAN BE CHANGED THROUGH TELEPHONE
- ALARM TRIGGER CHECK THROUGH TELEPHONE
- ANY 4 ELECTRICAL DEVICES CAN BE SWITCHED ON OR OFF
THROUGH TELEPHONE
- THESE ELECTRICAL DEVICES CAN ALSO BE SWITCHED ON OR
OFF THROUGH REMOTE KEY PAD
- ARMED LED / LIGHT OUTPUT
- BUILT IN BATTERY BACKUP PROVISION
- ZONE OMITTING FACILITY
- INDIVIDUAL ZONE STATUS IS INDICATED ON DISPLAY
- INDIVIDUAL ENTRY DELAY TIME 2 TO 255 SECONDS
- INDIVIDUAL EXIT DELAY TIME 2 TO 255 SECONDS
- SOUNDER TIME 2 TO 20 MINUTES
- SILENT ARMING

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- NIGHT MODE ARMING
- INTRUSION LOG
- DEDICATED PANIC, FIRE AND QUICK ARM KEYS
- POWER FAILURE INDICATION
- BLOWN FUSE INDICATION ON LCD DISPLAY
- NON-VOLATILE MEMORY
- OPEN ZONE INDICATION ON LCD DISPLAY
- AUTOMATIC RE-ARMING AFTER AN INTRUSION
- ONLY THREE INCORRECT CODE ATTEMPTS ALLOWED TO DISARM THE SYSTEM AFTER WHICH THE SYSTEM GOES INTO ALARM STATE
- MUSICAL AUDIO INDICATION
- MULTIPLE SOUNDER OUTPUTS
- ARMED LIGHT RELAY OUTPUT
- IN-BUILT TAMPER SWITCH
- MAIN CONTROL STATION HOUSED IN ELEGANT WHITE ABS BODY

B) SPEECH DIALER FEATURES:

- MICRO-CONTROLLER BASED
- 2 MESSAGES
- SEPARATE INTRUSION MESSAGE
- SEPARATE FIRE MESSAGE
- 15 TELEPHONE NUMBERS FOR INTRUSION MESSAGE
- 15 TELEPHONE NUMBERS FOR FIRE MESSAGE
- 20 SECOND RECORDING TIME FOR EACH MESSAGE
- OPERATES WITH BOTH TONE & PULSE
- MESSAGE PLAYBACK
- TELEPHONE NUMBER CHECK
- TELEPHONE NUMBER EDITING FACILITY
- NON-VOLATILE MEMORY
- LINE OVERRIDING

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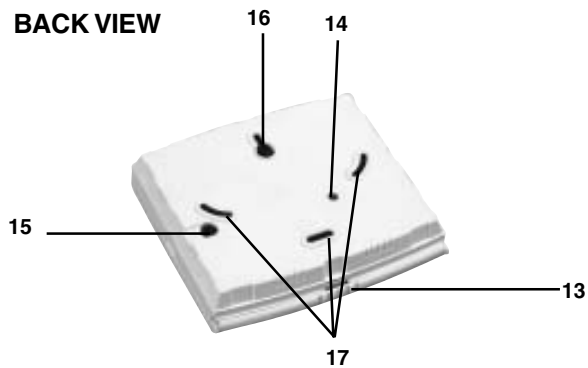
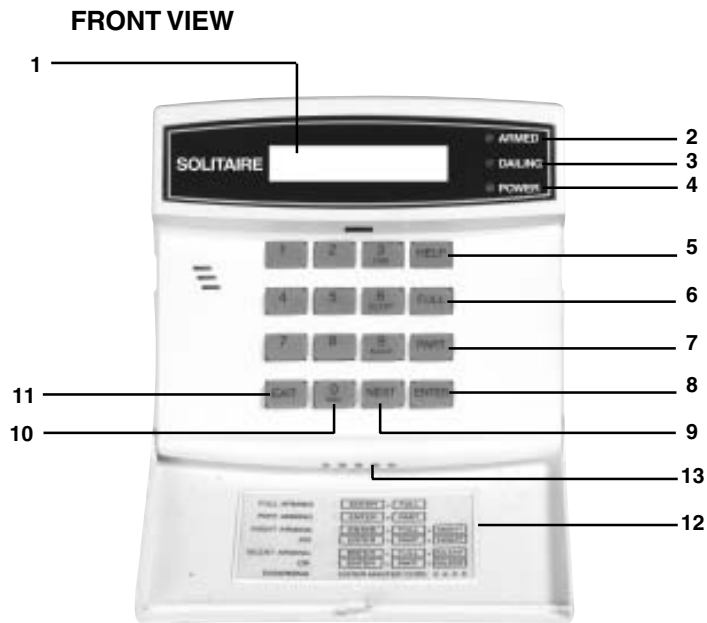
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1 - GETTING STARTED

1-1 GET TO KNOW YOUR SOLITAIRE



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1. On Screen LCD Display with back light
2. Armed Indication LED
3. Dialing Indication LED
4. Power Indication LED
5. Help Button - Onboard Panic Switch
6. Full Button - for full arming
7. Part Button - for part arming
8. Enter Button
9. Next Button
10. Dial Button
11. Exit Button
12. Quick Function Label
13. Body Opening Slot
14. Speaker
15. Wire Opening
16. Hook for Hanging Installation
17. Flexible Slots for Screw Mount Installation

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1-2 CONFIGURATION

The Remote Key Pad(s) must be connected to the main control station prior to connecting it to a power supply. When the Remote Key Pad is connected to the main control station, the screen will display:



Then the screen display will change to:



Press 1. The screen will display:



Then the screen will display the time, day and date as :



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1-3 FACTORY SETTINGS

CODES

MASTER CODE : 1 2 3 4
SERVANT CODE : 5 6 7 8

TIMER SETTINGS

ENTRY TIME : 30 SECONDS
EXIT TIME : 30 SECONDS
SOUNDER TIME : 1 MINUTE
TELE-LOGIN RINGS : 20 RINGS

1-4 SYSTEM STATUS

DISARMED/DAY MODE

The system is in day mode when it is not armed. In this mode, only the panic and fire zones will be actively operational and can be triggered to raise an alarm. The time, day and date will be displayed on the remote key pad LCD screen. If any of the other zones are open, this will be indicated on the LCD screen.

ARMED MODE

The system is in the armed mode when all active* zones are operational and can be triggered to raise an alarm.

*Certain zones can be temporarily omitted from the system. Omitted zones are not active zones. See 2-4 OMIT ZONES AND ARM SYSTEM

1-5 OPERATING PROCEDURES

The Falcon Solitaire can be operated through two procedures:

1. From the remote key pads
2. Through a tele-login facility using telephone line with a mobile phone or telephone instrument

All functions can be executed through the remote key pads and some major functions can be operated through the tele-login facility.



1-6 ZONES

There are four types of zones in the control panel:

Entry/Exit: An entry/exit zone will actively raise an alarm only if the system is armed. However, an entry / exit zone allows for a programmed delay during which the user can enter the code and prevent the alarm from sounding. If the user does not enter the code in the programmed amount of time, the alarm will sound. The main entry is usually the entry/exit zone so as to allow the user to enter the premises without raising the alarm. Entry/Exit zones are also referred to as delay zones.

Immediate: An immediate zone will actively raise an alarm only if the system is armed. If anyone enters the premises through an immediate zone while the system is armed, the alarm will sound immediately. Immediate zones usually include all the doors and windows other than the main entry, since the user is unlikely to enter the premises through these.

Panic: A Panic zone is a 24 hour zone and will raise an alarm when the panic switch is pressed irrespective of whether the system is armed or disarmed.

Fire: A Fire zone is a 24 hour zone and will raise an alarm in case a fire is detected irrespective of whether the system is armed or disarmed.

In the case of an alarm, the sounders will be activated and the automatic speech dialer will call all programmed numbers and play the corresponding emergency message.

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2 - OPERATING PROCEDURE 1 - THROUGH REMOTE KEY PAD

2-1 TO ARM THE SYSTEM

Arming options:

FULL ARMING : The system is fully armed when all existing zones have been armed.

PART ARMING: The system is partly armed when some zones are armed while others are not.

For Example: In a jewellery shop, the jeweller may want to keep the zones in which the safes are covered (zone 4 and zone 6) armed during the day, but keep all other zones disarmed since the shop is open. The user can personalise this setting. Now every time he part arms the system, only zones 4 and 6 will get armed while all other zones will remain disarmed.

To arm the system, ensure all active zones are closed. Once arming has been initiated, the screen will display *ARMING* for the exit time.

2-1-1 FULL ARMING

Press ENTER

Press FULL

All zones will be armed and the screen will display:



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2-1-2 PART ARMING

Press ENTER

Press PART

All part zones will be armed and the screen will display:



Two further Arming options within FULL ARMING and PART ARMING are:

2-1-3 NIGHT ARMING

This unique feature enables you to temporarily make all delay (entry/exit) zones into immediate zones. In the case that all users are within the premises when the system is armed at night and any delay zones are not required, the Night Arming feature can be used. This feature is particularly helpful when the system is installed in a residence.

Full Night Arming:

Press ENTER

Press FULL

Press NIGHT/9

All zones will be armed and all delay zones will temporarily become immediate zones and the screen will display:



Part Night Arming:

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Press ENTER

Press PART

Press NIGHT/9

All part zones will be armed and all part delay zones will temporarily become immediate zones. The screen will display :



All zones will resume their original status when the system is disarmed.

2-1-4 SILENT ARMING

If the arming sound is not required, it can be silenced. The system will arm itself silently ending with an ending beep to indicate the system is armed.

Full Silent Arming:

Press ENTER

Press FULL

Press 6/SILENT

All the zones will be armed silently and the screen will display :



Part Silent Arming:

Press ENTER

Press PART

Press 6/SILENT

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All part zones will be armed silently and the screen will display



2-2 TO DISARM THE SYSTEM

Enter the MASTER CODE to disarm all zones

Enter the SERVANT CODE to disarm zones allocated to servants.

Important : If the system is in alarm state, the master code has to be entered twice. The first time will switch off the sounders. The second time will stop the automatic speech dialer. Therefore, if you wish to stop the sounders but want the speech dialer to continue calling the programmed numbers, enter the code only once.

Note: The control panel will only accept the master code once the first number has been dialed.

2-3 MENU OPTIONS

To Access the Menu, enter the MASTER CODE X X X X

The master code is used to program the entire system as well as fully disarming it. The servant code will only disarm the servant zones. Both *servant code* and *servant zones* are explained later.

The following options are the main menu options.

OMIT ZONES & ARM SYSTEM

OPERATE SWITCHES

INTRUSION LOG

CHANGE CODES

TIMER SETTINGS

ZONE SETTINGS

AUTO OPERATION

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SET TIME & DATE

PLAY MESSAGES

RECORD MESSAGES

EDIT TEL NOS

To select a menu option press ENTER

To skip and go to the next menu option press NEXT

To exit the menu and return to Day Mode, press EXIT

2-4 OMIT ZONES & ARM SYSTEM

This option allows you to omit zones temporarily and arm the system.



Press ENTER



Enter the zone numbers you wish to omit,

The screen will display the entered zones on the second line.

Press ENTER to confirm

The screen will display:



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You have the option of either omitting the zones from the full settings or from the part settings.

Press FULL to omit zones from the full settings and arm the system.

This will arm all zones other than those that have been omitted.

Press PART to omit zones from the part zone settings and part arm the system.

This will arm all part zones other than those that have been omitted.

The panel will start arming.

2-5 OPERATE SWITCHES

This option allows you to switch on or off any 4 connected electrical devices.



Press ENTER



Each device has a number from 1 to 4 associated with it. Press the desired number on or off to switch the device on or off respectively. The device numbers will be displayed on the second line.

Note: Device numbers displayed on the screen will be switched on. Devices numbers not displayed on the screen will be switched off.

Press EXIT

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2-6 INTRUSION LOG

The intrusion log displays the last five zones in which the alarm was triggered.



Press ENTER

The screen will display the last triggered zone on the second line.



Press NEXT to see zone triggered before that.

Once the last five zones have been displayed, the screen will display:



If there are less than five alarm events, the screen will display:



If there are no alarm events in the intrusion log, the screen will display:

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2-7 CHANGE CODES

This option allows the user to change the Master Code or Servant Code
MASTER CODE:

The master code disarms the entire system. The menu and all programmable features can only be accessed with the master code.

SERVANT CODE:

The servant code only disarms the servant zones. For servant zones see 2-9 ZONE SETTINGS.



Press ENTER to change master code or servant code

Select between MASTER CODE and SERVANT CODE using the NEXT button

Press ENTER

The screen will display:



Enter the new code

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Note: The code must be numerical. If you press a key which is not a number, an error message will be displayed and the code will not be changed. You will have to repeat the preceding steps to change the master code.

The screen will display:



Re-enter the code to confirm the change

2-8 TIMER SETTINGS

The user can set and change certain timer settings as per personal requirement.

ENTRY TIME: The entry time is the time the user has to enter the code before the alarm sounds when entering from an entry / exit zone. This time is programmed by the user and can vary from 2 to 255 seconds.

EXIT TIME: The exit time is the time after arming the system in which any open entry / exit zones must be closed. This time is programmed by the user and can vary from 2 to 255 seconds.

SOUNDER TIME: The sounder time is the duration for which the alarm will sound in case of an intrusion or fire. This time is programmed by the user and can vary from 2 to 20 minutes.

TELE-LOGIN RINGS: When using the remote access tele-login facility to operate the control panel, the user can choose the number of rings after which the control panel will answer the phone and respond to the user's prompts.

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Press ENTER to set entry time, exit time, sounder duration or number of rings after which the tele-login facility becomes active

Select between ENTRY TIME, EXIT TIME, SOUNDER TIME and TELE-LOGIN RINGS using the NEXT button

Press ENTER

Options:

2-8-1 ENTRY TIME



Press ENTER to set or change entry time

The screen will display:



Enter time between 2 and 255 seconds for entry time

Press ENTER to confirm

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2-8-2 EXIT TIME



Press ENTER to set or change exit time
The screen will display:



Enter time between 2 and 255 seconds for exit time
Press ENTER to confirm

2-8-3 SOUNDER TIME



Press ENTER to set or change sounder duration
The screen will display:



Enter time between 2 and 20 minutes for sounder duration

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Press ENTER to confirm

2-8-4 TELE-LOGIN RINGS



Press ENTER to set or change number or rings after which the tele-login feature activates

The screen will display:



Enter a number between 2 and 99 for the number of rings

Press ENTER to confirm

2-9 ZONE SETTINGS

This option allows the user to set the part zones, servant zones and delay zones.

PART ZONES: Part zones are selected by the user and are the zones that get armed when the system is part armed, while all other zones remain disarmed. An example of a part zone is a room in which the safe is kept in a jewellery shop or a bank (zone 4). In this case, the jeweller could arm just zone 4. This is done by setting zone 4 as a part zone and part arming the system.

SERVANT ZONES: Servant zones are zones allocated to servants and staff. If armed, these zones can be disarmed by entering the servant code.

DELAY ZONES: Delay zones are another name for entry/exit zones.

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Note: The PANIC zone and the FIRE zone can not be programmed in any way. These two 24 hour zones will always remain active.



Press ENTER to set or change part zones, servant zones or delay (entry/exit) zones

Select between PART ZONES, SERVANT ZONES and DELAY ZONES using the NEXT button.

Options :

2-9-1 PART ZONES



Press ENTER to set or change part zone numbers

The screen will display:



Toggle part zone numbers on or off

The screen will display:

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Note: Zone numbers displayed on the screen will be made part zones.
Press ENTER to confirm zone numbers to be set as part zones

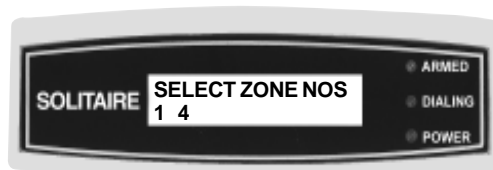
2-9-2 SERVANT ZONES



Press ENTER to set or change servant zone numbers
The screen will display:



Toggle servant zone numbers on or off
The screen will display:



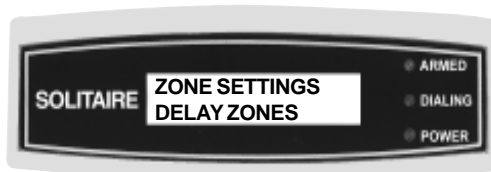
Note: Zone numbers displayed on the screen will be made servant zones.

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Press ENTER to confirm zone numbers to be set as servant zones

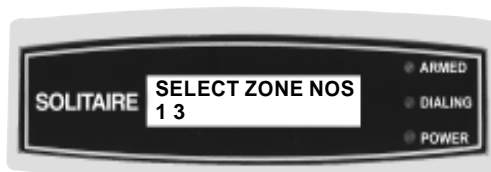
2-9-3 DELAY ZONES



Press ENTER to set or change delay zone numbers
The screen will display:



Toggle delay zone numbers on or off
The screen will display:



Note: Zone numbers displayed on the screen will made delay zones.

Press ENTER to confirm zone numbers to be set as delay zones

2-10 AUTO OPERATION

Auto Operation enables the panel to arm and disarm at a preset time daily. There is a provision for one holiday in a week when the panel will remain armed. This option can be manually overridden at any time by following standard arming and disarming procedure.

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Press ENTER

Select between ARMING TIME, DISARMING TIME and SET HOLIDAY using the NEXT button.

Options:

2-10-1 ARMING TIME



Press ENTER to set the arming time

The screen will display:



Press NEXT to change hours

Press ENTER to confirm

The screen will display:



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Press NEXT to change minutes

Press ENTER to confirm

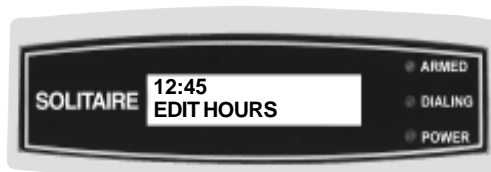
Note: To disable auto-arming set time to 24:00.

2-10-2 DISARMING TIME



Press ENTER to set disarming time

The screen will display:



Press NEXT to change hours

Press ENTER to confirm

The screen will display:



Press NEXT to change minutes

Press ENTER to confirm

Note: To disable auto-disarming set time to 24:00.

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2-10-3 SET HOLIDAY



Press ENTER to set holiday
The screen will display:



Press NEXT to choose day of the week for holiday
Press ENTER to confirm
Note: Select ### if you do not wish to set a holiday.

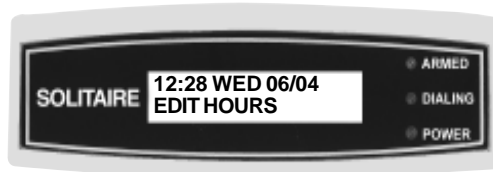
2-11 SET TIME & DATE

The screen displays the date and time at all times. These need to be set at the time of programming the panel. The time setting is also used for the Auto Operation feature.



Press ENTER
The screen will display the current set time and date:

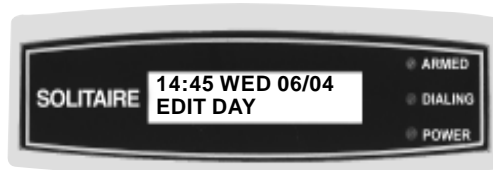
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Press NEXT to change hours
Press ENTER to confirm
The screen will display:



Press NEXT to change minutes
Press ENTER to confirm
The screen will display:



Press NEXT to change day
Press ENTER to confirm
The screen will display:



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Press NEXT to change date

Press ENTER to confirm

The screen will display:



Press NEXT to change month

Press ENTER to confirm

The screen will display:



2-12 PLAY MESSAGES

This option allows the user to listen to the recorded intrusion message and fire message. In case of an intrusion, the intrusion message will be sent to 15 telephone numbers. In case of a fire, the fire message will be sent to 15 separate telephone numbers. See 2-13 *RECORD MESSAGES* to read how to record the messages.



Press ENTER

Select between INTRUSION and FIRE using the NEXT button.

Options:

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2-12-1 INTRUSION MESSAGE



Press ENTER to listen to the recorded intrusion message.
The main control station will play the message.

2-12-2 FIRE MESSAGE



Press ENTER to listen to the recorded intrusion message.
The main control station will play the message.

2-13 RECORD MESSAGES

This option allows the user to record or re-record the intrusion and fire messages



Press ENTER
Select between INTRUSION and FIRE using the NEXT button.

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2-13-1 INTRUSION MESSAGE



Press ENTER to record intrusion message

After pressing ENTER you have 20 seconds in which to record your message. Place your mouth close to the main control station and begin recording message.

2-13-2 FIRE MESSAGE



Press ENTER to record fire message

After pressing ENTER you have 20 seconds in which to record your message. Place your mouth close to the main control station and begin recording message.

Go to 2-12 PLAY MESSAGES to listen to recorded messages

2-14 EDIT TEL NOS

This option allows the user to set or edit the telephone numbers to be called in case of an emergency. The user can enter up to 15 numbers for each message.



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Press ENTER

Select between INTRUSION and FIRE using the NEXT button.

2-14-1 INTRUSION NUMBERS



Press ENTER

The screen will display:



The second line under **EDIT?** will display **BLANK** if no number has been stored in that location or a telephone number in case a number has been previously stored.

If you do not wish to edit this number, press next and the number stored in the next location will be displayed.

If you wish to enter or change the number in this location, Press ENTER

The screen will display:



Enter the new number. This will replace BLANK and will be displayed

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in the second line.

Press ENTER to confirm and store the new telephone number.

If you do not wish to enter a telephone number in this location, press ENTER without entering any number and no number will be stored.

The screen will now display the second number with the EDIT? prompt:



The same procedure is to be repeated.

2-14-2 FIRE NUMBERS



Press ENTER

The screen will display:



The second line under **EDIT?** will display **BLANK** if no number has been stored in that location or a telephone number in case a number has been previously stored.

If you do not wish to edit this number, press next and the number stored in the next location will be displayed.

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If you wish to enter or change the number in this location,

Press ENTER

The screen will display:



Enter the new number. This will replace BLANK and will be displayed in the second line.

Press ENTER to confirm and store the new telephone number.

If you do not wish to enter a telephone number in this location, press ENTER without entering any number and no number will be stored.

The screen will now display the second number with the EDIT? prompt



The same procedure is to be repeated.

2-15 BUTTONS ON THE KEY PAD

2-15-1 DIAL BUTTON

The control panel can dial the programmed intrusion numbers and play the intrusion message without activating the sounders.

Press ENTER

Press 0/DIAL

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2-15-2 HELP BUTTON

The remote key pad has an onboard panic alarm activation.

Press ENTER

Press HELP

2-15-3 FIRE BUTTON

The remote key pad has an onboard fire alarm activation.

Press ENTER

Press FIRE

3 - OPERATING PROCEDURE 2 - THROUGH TELE-LOGIN FACILITY

The following functions can be performed through this facility:

1. FULL ARM THE SYSTEM
2. PART ARM THE SYSTEM
3. DISARM THE SYSTEM
4. CHANGE THE CODE
5. RECENT ALARM CHECK
6. SWITCH ON/OFF FOUR ELECTRICAL DEVICES

To operate the panel with this procedure, a mobile phone or DTMF based telephone instrument must be used. The number of the telephone line which is connected to the control panel must be called from the remote telephone and communication between the control panel and the remote user will take place through this telephone line itself.

The telephone key pad acts as the control panel key pad. Key is as follows:

- Digits 0-9 : Corresponding digits on control panel keypad
*(star) : EXIT button on the control panel keypad

To communicate with the control panel:

- Dial in using the telephone number to which the panel is connected.
- The control panel will connect to the line after the programmed number of rings.
- Enter your master code upon hearing a beep.

If the code is recognized by the control panel, a long acceptance beep will be heard and you will be connected.

If the code is not recognised, multiple short error beeps will be heard and the control panel will disconnect the call. Try again with the correct code.

Once connected to the control panel, follow steps as given below to

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perform desired function.

Note: Only one function can be performed in one call. You must call again to perform more than one function.

3-1 TO ARM THE SYSTEM

3-1-1 TO FULL ARM THE SYSTEM

Press 1 on the telephone key pad

The exit time delay will be heard on the telephone. Press * to disconnect line if you do not wish to hear the delay tone. (This will not affect arming)

3-1-2 TO PART ARM THE SYSTEM

Press 2 on the telephone key pad

The exit delay will be heard on the telephone. Press * to disconnect line if you do not wish to hear the delay tone. (This will not affect arming)

3-2 TO DISARM THE SYSTEM

Press 6 on the telephone key pad

3-3 RECENT ALARM CHECK

This function allows you to check whether an alarm has been raised since the system was last armed.

Press 3 on the telephone key pad

If there has been an alarm, a long beep will be heard

If there has not been an alarm, multiple short error beeps will be heard. The panel will disconnect the line.

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3-4 TO SWITCH ON OR OFF THE ELECTRICAL DEVICES

Press 4 on the telephone key pad

Press 1 to switch on devices

Or

Press 0 to switch off devices

Enter the selected device numbers (1 to 4) that you wish to switch on / off. You can either switch on or switch off devices in one call. You cannot perform both functions in one call.

Press * to exit.

3-5 CHANGE CODES

Press 5 on the telephone key pad

Press 1 to change Master Code

Or

Press 2 to change Servant Code

Enter New Code

You will hear a long beep

Re-enter New Code

The panel will disconnect the line

Both entries must match or error beeps will be heard and the previous code will be retained. The panel will disconnect the line.

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4 - OTHER USEFUL INFORMATION

4-1 FORGOTTEN CODE

If the user has forgotten the master code, the panel has to be reset to Factory Settings. To reset to factory settings:

Disconnect all power supply and the battery from the main control station.

Re-connect the power supply

The remote key pad screen will display:



Press 2

The panel will reset to factory settings and the master code will be reset to 1234. Please refer to 1-3 *FACTORY SETTINGS* for full details of factory settings.

Note : The programmed messages and telephone numbers stored in the panel will not be erased when the panel is reset to factory settings.

4-2 KEY PAD AND LCD LIGHTING

In order to make it easier to operate the control panel, both the key pad buttons and the LCD screen are fully backlit. The keypad and LCD screen will illuminate if a button is pressed or any delay zone is opened. The lights switch off automatically after one minute.

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4-3 SAFETY FUSES

As an additional safety feature, the control panel has one mains AC fuse on the power supply card and two safety fuses on the main circuit board. In the event of an overload in the power supply, sounder or auxiliary supply circuits, a fuse will blow. This fuse must be replaced. You may contact your nearest service centre for assistance.

5 - TECHNICAL SPECIFICATIONS

ELECTRICAL

REMOTE KEY PAD ONLY

Quiescent current 25 mA

Quiescent current with backlit LCD 45 mA

MAIN CONTROL STATION WITH ONE REMOTE KEY PAD

Quiescent current : 60 mA

Quiescent current with backlit LCD : 85 mA

Current with dialing : 140 mA

Maximum sounder 1 current output : 1A

Maximum sounder 2 current output : 1A

Sounder saturation Voltage : < 1V at 1A

Remote keypads : Up to six

Non-volatile Memory : Programming and Log

Zone response time : <500ms

Zone Loop Resistance : <5k ohm for NORMALLY CLOSED

Load switch output can take 12V relay to control any mains load

POWER SUPPLY

Mains supply Voltage : 220+10%-15% 50Hz

Total current Output : 800mA at 220V AC (Fuse JA 20mm On Main Card)

Regulation : <9%

Ripple : <220mV RMS

Battery Voltage : 12V DC

Battery type : SMF Rechargeable

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Battery Recharge Voltage: 13.8V +/-0.2V DC

Fuse : 250ma 20mm AC Mains on PS Card

ENVIRONMENTAL

Operating Temperature : 0C to 45C

Storage Temperature : -20C to 60C

Maximum humidity : 95% non-condensing

Environment residential / commercial / light Industrial

PHYSICAL

REMOTE KEY PAD

Dimensions : 148mm x 130mm x 33mm

MAIN CONTROL STATION

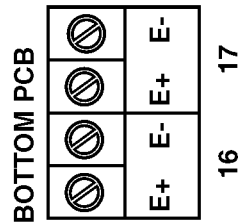
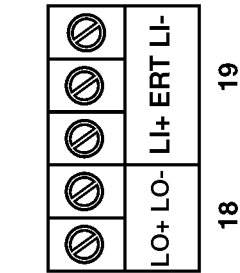
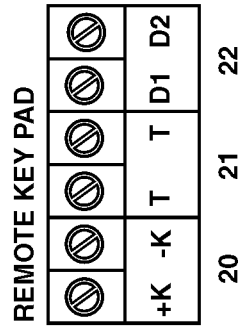
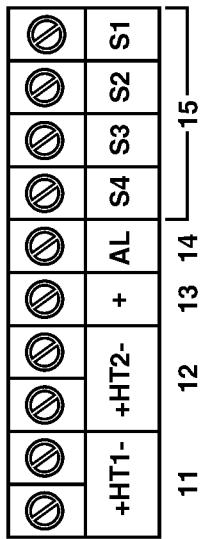
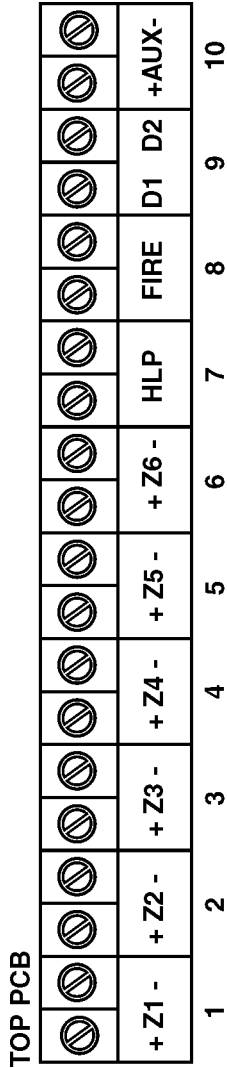
Dimensions 236mm x 226mm x 80mm

Max Battery Dimensions : 150mm x 110mm x 64mm

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6 - CONNECTION DIAGRAM

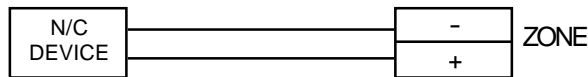


SOLITAIRE

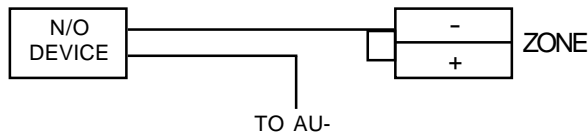


- | | |
|-------------------|---|
| 1. +Z1- | To Zone No. 1 devices (short with jumper if not applicable) |
| 2. +Z2- | To Zone No. 2 devices (short with jumper if not applicable) |
| 3. +Z3- | To Zone No. 3 devices (short with jumper if not applicable) |
| 4. +Z4- | To Zone No. 4 devices (short with jumper if not applicable) |
| 5. +Z5- | To Zone No. 5 devices (short with jumper if not applicable) |
| 6. +Z6- | To Zone No. 6 devices (short with jumper if not applicable) |
| 7. HLP | To Panic Zone devices (short with jumper if not applicable) |
| 8. FIRE | To Fire Zone devices (short with jumper if not applicable) |
| 9. D1 D2 | To D1 D2 of Remote Key Pad for data transmission |
| 10. +AUX- | To +K -K of Remote Key Pad for 12V DC supply
12V DC supply for other devices |
| 11. +HT1- | To Sounders |
| 12. +HT2 | To additional sounders or strobe light |
| 13. + | Common 12 V Positive supply for Armed Light and device relays |
| 14. AL | Armed Light trigger (Can switch on a light when armed) |
| 15. S4 - S1 | Device relay triggers |
| 16. E+E- | Spare connectors for excess wires |
| 17. E+E- | Spare connectors for excess wires |
| 18. LO+ LO-S | Line out to parallel telephone instrument |
| 19. LI + ERT LI - | Line in for speech dialer and remote access |
| 20. +K -K | To +AUX- in main control station |
| 21. T T | Tamper Circuit |
| 22. D1 D2 | To D1 and D2 in main control station for data transmission |

DEVICETYPE N/C (Normal Close) Connections :-



DEVICETYPE N/O (Normal Open) Connections :-





ZONE LOCATIONS

	LOCATION	LOCATION	LOCATION	LOCATION
ZONE 1				
ZONE 2				
ZONE 3				
ZONE 4				
ZONE 5				
ZONE 6				
PANIC				
FIRE				