R S 6 4

INTRUDER ALARM CONTROL PANEL

U S E R
M A N U A L

Jsb

E L E C T R I C A L

"The Security Factor"

INDEX

Note: Due to a policy of continued development of the *RS64* intruder alarm control panel, the information contained in this guide is subject to change without notice.

Introduction

This guide will help you to undertand your RS64 intruder alarm control panel. It is important to read it carefully in order to get the most from your system. Instructions are in a step by step form with diagrams where appropriate. The RS64 has been designed to be as simple to operate as possible.

The RS64 will have been programmed by the Installation Engineer to suit your particular installation. The system is operated from one or more Remote Keypads all functions are processed by the main Control Unit which is accessed by the engineer only.

RS64 has been designed to allow two different levels of access to the system. The System Manager is the person who has overall responsibility for the system and this means that he/she has access to more functions than the General User. To operate your RS64 the Installation Engineer will need to provide you with at least one of two different types of 4-digit Access Codes:

Master Access Code - used by the System Manager to operate the system and carry out a range of programming functions:

- Set up and modify all the User Codes.
- Carry out Tests e.g. Sounders and Detectors.
- Set up a Chime Suite.
- Set up a Part Set Suite.
- Modify the Time and Date settings.

User Access Codes - individual codes that are employed by up to nine General Users for day-to-day operation:

- Setting and Unsetting the Panel.
- Omitting Zones.
- Reset after an Alarm Activation

The System Manager also has access to the General User functions above.


To Access the Panel

Enter your 4-Digit Access Code using the numeric keys
OPEN Light will flash slowly
Proceed with Operating/Programming/Testing function

Numeric Keys and Zone Lights

These keys are used for entering your security code to turn the system on and off. These keys are also used to program the system. Eack key incorporates a Zone/Status light.
(See pages 7 to 11)
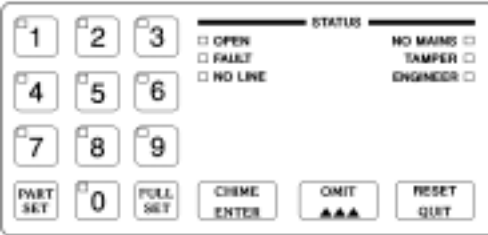
Function Keys and Status Lights

These keys are used to select different operating modes and to reset after an alarm. These Status lights indicate System Status.
(See pages 3 to 5)

LIGHT INDICATORS

CONDITION	ON/CONTINUOUS	OFF	SLOW FLASH	QUICK FLASH
OPEN	Unset	System Set	Waiting for Blue Key	Chime Mode
FAULT	Setting Fault	Ok	System Fault	Activation
NO LINE	Refer to Communicator Section			
NO MAINS	No Mains Power	Ok/Set	Mains Restored/Fail 1Hr	
TAMPER	Standing Tamper Fault	Ok	Panel/Bell Lid Tamper	Zone/RKP Tamper
ENGINEER	Engineer On Site	Ok	Engineer Needed	Service Needed
ZONES 1-10	Zone in Fault	Ok	Zone Omitted	First To Alarm

DESCRIPTION OF SOUNDS

Keypad press	-	Quick blip
Entry sound	-	Solid tone pulsed on and off slowly
Exit sound	-	Solid tone
Tamper sound	-	Fast Broken Tone
Alarm sound	-	Wailing tone

Fire sound	-	Two tone sound
Night Setting	-	Soft Clicking
Chime	-	Warble
Fault sound	-	Fast Broken Tone
Error Tone	-	Buzz

Operation

False Alarms

Before using the RS64 it is important to know how to avoid false alarms. Most false alarms are caused when setting or unsetting the system. By following these few simple tips you should avoid any potential problems.

- Make sure that all doors to be set on the system are firmly secured and cannot swing open accidentally.
- Ensure that any room containing detection devices is free of moving objects such as pets or moving curtains.
- When re-entering the protected area proceed directly to the nearest Remote Keypad without delay and do not stray from the exit/entry route.

Unset

The RS64 is alert to certain types of alarms (e.g. Tamper) at all times; when the system is Unset it is still operating in Day Mode. Under normal circumstances you should have the OPEN light fully ON (GREEN) and no other lights showing. In addition to the Guard Zones which only operate when the system is set your installation may include other Zones which operate on a 24 Hour basis (e.g. a Zone with a Panic Button).

Full Set

You will need to use Full Set when leaving the protected premises unattended.

Enter your 4-Digit Access Code. OPEN light starts flashing.
Press FULL
If system clear, Exit Tone will be heard. This is a continuous high pitched tone.
Leave via Intermediate and Final Exit zones
Close final door to set (or operate push to set button if fitted)
After 2 seconds the Exit Tone should cease.

If system is not clear, Fault Tone sounds. This is a rapid intermittent tone.
Identify which zone light is lit on keypad
Enter your 4-Digit Access Code; this will abandon the setting operation
Investigate fault and remedy if possible
If fault cannot be remedied, call engineer

If there is a Fault Tone immediately after the system is finally closed you may have a fault in the Exit /Entry Route; if this does not clear after a few seconds you will need to re-enter the premises investigate the fault and turn the system off using your 4-Digit Access Code.

Part Set

Use Part Set when certain zones (e.g. bedrooms) will be occupied. The Part Suite will automatically omit those Zones which are to be excluded.

Enter your 4-Digit Access Code. OPEN light starts flashing.
Press PART
If system is clear, Part Set tone is heard. This is a soft Clicking sound
Those Zones which are excluded will slowly flash.
Proceed to unset zone via entry/exit route
System is set after the Part Set timer runs out

If system not clear, Fault Tone sounds
Identify which zone light is lit on keypad
Enter your 4-Digit Access Code.
Investigate fault and remedy if possible
If fault cannot be remedied, call engineer

Unset

When you re-enter the protected area you will start the Entry Timer and the Entry Tone (a slowly broken Exit Tone) will sound. You must then proceed directly to the nearest Remote Keypad. You will also start the Entry Timer if you use the Remote Keypad when the system is Set.

Whenever you hear the Entry Tone:

Enter your 4-Digit Access Code.

Entry Tone stops

The system should now be Unset with the OPEN LIGHT ON.

If zone and fault lights are lit, there has been an activation
You will now need to Reset the system (see opposite)

To silence an Alarm

It is quite possible for an alarm activation to occur while you are on the premises. The Alarm Tones are:

Fire	Alternating 2-tone sound.	
Intruder	Wailing sound.	
Tamper	Loud Rapid Pips (Fault Tone)	

Enter your 4-Digit Access Code.

Alarm should be silenced

The Remote Keypad lights will indicate what has happened

You will now need to Reset the system (see opposite)

Reset

To reset the system after an Alarm Activation

IMPORTANT NOTE. Reset authorisation depends on the nature of the Alarm Activation detected by the panel. Some events could indicate that you must contact an Engineer for advice; the panel records the Alarm Activation in its internal Event Log and may then enter a Lockout Mode preventing further use until the Engineer has been consulted.

Enter your 4-Digit Access Code. OPEN light starts flashing.
Press RESET
All lights come on, Warble Tone sounds then the lights go out
System is now reset and ready for re-use.

If system does not reset
Use Remote Reset option (see Remote Communication section(Page 11))

Chime Mode

Chime is used to give a local audible warning from the Guard Zones including Door Contacts when the system is Unset. This is useful when the premises are occupied and you wish to be notified if other persons have entered the building. Your Installation Engineer may have already programmed the system to automatically turn Chime on during the day. You can also turn Chime On and Off yourself and set which detectors are to be included in the Chime system.

Chime On

Enter your 4-Digit Access Code. OPEN light starts flashing.
Press CHIME
The FLASHING zones are EXCLUDED from the Chime system
If other chime zones are required, press appropriate numbered keys
System automatically enters chime mode after a short time delay
The OPEN light flashes quickly when Chime Mode is ON

Chime Off

To unset chime mode
Enter your 4-Digit Access Code.
OPEN light flashes slowly
Allow the system to time out.
OPEN light should now be ON continuously.

Zone Omit

This is useful if you need to remove one or more Detection Zones on a temporary basis if you unable to fully set the system. You can use Zone Omit on any zone provided that the Installation Engineer has not programmed the Zone as Non Manually Omittable (this may have been done because that particular Zone is a vital element of the system). The Zone Omit information is automatically discarded next time you open the system.

To Omit Zones prior to setting the system.

Enter your 4-Digit Access Code. OPEN light starts flashing.

Press OMIT. The OPEN light continues to flash slowly

Press number keys for zones to be omitted. The omitted Zone lights will flash slowly.

Either
Press FULL to Full Set with omitted zones

Or
Press PART to Part Set with omitted zones

Note: When using Zone Omit followed by PART, zones which would have been automatically omitted by the Part Set Suite (see Programming section) will have to be manually omitted.

To use Zone Omit on Day Zones.

Enter your 4-Digit Access Code. OPEN light starts flashing.

Press OMIT. The OPEN light continues to flash slowly

Press number keys for zones to be omitted. The omitted Zone lights will flash slowly.

Press OMIT again to return to Day Mode with omitted zones.

To cancel Zone Omit on Day Zones.

Enter your 4-Digit Access Code. OPEN light starts flashing.

Press RESET

Programming

To carry out each programming function, you must first enter Menu Mode starting from Day Mode. Once you are in Menu Mode you then enter a 2-Digit Opcode to select a specific programming function. When that function is completed the system returns to Menu Mode.

Menu Mode

To enter Menu Mode

Enter the 4-Digit Master Code. OPEN light start flashing

Press **00**

All lights illuminate

You are now in Menu Mode

Enter the 2-Digit Opcode for the function you wish to program

After programming the function

Either
Program next function by entering a new Opcode

Or
Select   Opcode **99** to exit Menu Mode

All lights flash, warble tone sounds

The Control Panel is now back in Day Mode.

Note: If you get the Error Tone (a short Buzz) you have entered an incorrect Opcode.

Duress Code
To enter or change 4-digit Duress Code.
(Consult with your Installation Engineer before using this option.)

Select Opcode 02
If zone lights 1-4 flash, code exists
Press OMIT to delete the code
If zone lights 1-4 constant, enter new code
Press 4 numbered keys for new code; the lights will extinguish one at a time
Press ENTER to submit the new code

If Warble sounds, code is accepted
If Buzzer sounds, code is rejected. Try again using a different 4-Digit Code.

Keyholder Code
To enter or change 4-digit Keyholder Code.
(Consult with your Installation Engineer before using this option.)

Select Opcode 03
If zone lights 1-4 flash, code exists
Press OMIT to delete the code
If zone lights 1-4 constant, enter new code
Press 4 numbered keys for new code; the lights will extinguish one at a time
Press ENTER to submit the new code

If Warble sounds, code is accepted
If Buzzer sounds, code is rejected. Try again using a different 4-Digit Code.

Master Code

To enter or change 4-digit Master Code.

Select Opcode **40**
If zone lights 1-4 flash, code exists
Press OMIT to delete the code
If zone lights 1-4 constant, enter new code
Press 4 numbered keys for new code; the lights will extinguish one at a time
Press ENTER to submit the new code

If Warble sounds, code is accepted
If Buzzer sounds, code is rejected. Try again using a different 4-Digit Code.

User Codes

To enter or change 4-digit User Codes.

Select Opcode   **41** for User Code 1
                        42 for User Code 2
                        43 for User Code 3
                        44 for User Code 4
                        45 for User Code 5
                        46 for User Code 6
                        47 for User Code 7
                        48 for User Code 8
                        49 for Cleaner Code

If zone lights 1-4 flash, code exists
Press OMIT to delete the code
If zone lights 1-4 constant, enter new code
Press 4 numbered keys for new code; the lights will extinguish one at a time
Press ENTER to submit the new code

If Warble sounds, code is accepted
If Buzzer sounds, code is rejected. Try again using a different 4-Digit Code.

Time/Date

Please consult with your Installation Engineer before using this option.

Select Opcode **05**
Press two number keys for hour (24hr clock)
Press ENTER
Press two number keys for minutes (e.g. 59)
Press ENTER
Press two number keys for day (e.g. 31)
Press ENTER
Press two number keys for month (e.g.12)
Press ENTER
Press two number keys for year (e.g. 96)
Press ENTER

Warble sound indicates time/date set.

Chime Suite

To program zones to be included when Chime Mode is selected by a User.

Select Opcode **15**
Zone lights lit show zones which are EXCLUDED from the system.
Press numbered keys to select/deselect chime suite zones
Press ENTER

All lights illuminate, Warble sounds

Part Set Suite

To program zones to be omitted (unset) when system is part set

Select Opcode **50**
Zone lights lit show zones already included
Press numbered keys to select/deselect zone
Press ENTER

All lights illuminate, Warble sounds

Testing
Enter the 4-Digit Master Code. OPEN light starts flashing.

Press **00**
All lights illuminate

You are now in Menu Mode
Enter a 2-Digit Opcode to select a specific system testing function as detailed below

Upon completion of each test

Either
Carry out next test by selecting a new Opcode

Or
Select Opcode **99** to exit Menu Mode

Sounder Test
To test internal/exterior sounders and strobe light, if fitted

Select Opcode **60**
Press numbered key 1-4 to test required sounder (see table below)
Press key again to end test
Press other numbered keys 1-4 as required

Press RESET to terminate the test.

Zone lights			
1	2	3	4
Bell	Strobe	Exit Tone	Alarm Tone

Walk Test
To walk test all 8 detection zones

Select Opcode **62**
Exit Tone indicates no fault condition
Fault Tone indicates fault condition

Clear all faults before you carry out the walk test
As each detector is activated, Fault Tone sounds
Then Exit Tone resumes

When you have finished Walk Testing press RESET to terminate the test

Light Test
To test remote keypad, zone and status lights

Select Opcode **63**
Lights will come on in turn

Press RESET to terminate the test.

Remote Communication
Check with your Installation Engineer whether your system is fitted with a Communicator connected via the telephone line to an Alarm Receiving Centre. If this is the case you may need to use some of the following additional features incorporated into the RS64:

Remote Reset
To allow the system to be remotely reset by the Alarm Receiving Centre. This option may have been pre-programmed to appear automatically after an Alarm Activation. The System Manager is able to access the system from Menu Mode:

Select Opcode **98**
All lights will extinguish
Four zone lights will light one digit at a time
Following a short delay, this 4-digit sequence will be repeated

Note this number sequence (e.g. 1234)
Telephone the Alarm Receiving Centre with the number
A new 4-digit Reset Number will be given in return (e.g. 5678)
Press numbered keys to enter the Reset Number
System will reset

Line Status Light
The NO LINE indicator on the Remote Keypad can be used to indicate that there is a problem with the telephone line; you will need to ask your Installation Engineer whether the Communicator has a Line Monitor connected to the RS64. It is also possible that the RS64 has been programmed to give an Audible Warning (Fault Tone) if a Line Fault is detected during the day.

A continuous NO LINE indication signifies that the telephone line is unavailable to the Communicator; if there has been a recent fault during the day which has cleared itself the NO LINE indicator will FLASH slowly until the next Reset. A Rapid Flashing indication on the NO LINE indicator is a warning that there has been a Line Fault while the system was set. You should discuss the implications of this with your Installation Engineer.

Miscellaneous

Tamper Alarms

The RS64 provides a comprehensive Anti-Tamper detection system which is designed to protect all components in the Security System. If there is a Tamper Alarm it is absolutely vital that the system is subsequently thoroughly checked by an engineer so that the cause is clearly identified. FAILURE TO DO THIS COULD MEAN THAT THE SYSTEM MAY BE INSECURE. Tamper Alarms from the Outside Audible Warning device are especially significant. Check the Remote Keypad Tamper Display for more information.

Loss of Mains Supply

The RS64 is designed to run the entire security system for typically 8 hours without Mains using an internal rechargeable battery fitted by your Installation Engineer. Provided the loss does not exceed this period the battery will recharge within less than 24 hours once the mains Supply is restored. In the event of a sustained Power Loss the RS64 will attempt to Set automatically following Power On; during this time it will sound the Entry Tone. If you hear this enter your 4-Digit Access Code to Cancel the Automatic Setting process. The NO MAINS light will flash slowly if the Mains is OFF; a quick flashing indication means that there was a power loss while the system was Set.

Event Log

The RS64 has an internal Event Log with its own Time and Date system. This can be read by your Installation Engineer using a Portable Printer plugged into the Control Unit. If there are any problems with your installation a printout will allow the recent history of the installation to be checked.

Lost Codes

The Installation Engineer has no way of finding out what you 4-Digit Access Codes were. If you lose the Master Code he will need to clear out the Code Table and re-instate the Factory Default codes. It will then be necessary to set up a new set of Codes for the Master and General Users. Note that the RS64 Codelock system incorporates special features to frustrate attempts to find out the code by a trial and error method.

Accidental Alarms

If you know that a false alarm has just occurred it may be possible for you to immediately contact your Alarm Receiving Centre and give them a special Password so that the alarm can be registered as an accidental activation by the User.

Engineer On Site

If the Engineer is working on the RS64 the ENGR light should be continuously lit on the Remote Keypad. This means that the security system is effectively out of commission until the Engineer restores the system to normal operation. If there is a flashing indication on the ENGR light you will need to investigate and clear this before the system is fit for re-use.

Specifications

To be completed by the installation engineer before handing over the system.

Installation Site _____

System Manager _____

Contract Number _____

	Name	Contact	Telephone
Installation Engineer			
Alarm Receiving Centre			

Entry Time _____ seconds	Exit Timer _____ seconds	Part Set Timer _____ seconds

Push To Set YES ☐ NO ☐	Communicator YES ☐ NO ☐	Engineer Reset YES ☐ NO ☐

	Location	Type★
Zone 1		
Zone 2		
Zone 3		
Zone 4		
Zone 5		
Zone 6		
Zone 7		
Zone 8		
Zone 9		
Zone 10		
Exterior Sounder		

★Guard, Final Exit, Intermediate, Duress, Personal Attack, Fire, Auxiliary etc.

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ELECTRICAL

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