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RS 50/F INSTALLER'S GUIDE

BEFORE APPLYING POWER ensure that slide switch SW1 is in position "P" (ie. up).

When power is first applied to the panel all four STATUS lights flash and the internal siren is sounding. Press ✱ twice, enter the "USER CODE" (4 3 2 1), at this point the siren will stop.

Factory set codes

The panel reverts to these codes after any TOTAL power failure.
USER CODE = 4 3 2 1
switches system ON & OFF.
DURESS CODE = 9 9 9 9
switches system OFF and gives SILENT P. A. output.
BOSS CODE = 0 0 0 0
allows changing of all codes except ENGINEER.

CHANGING USER CODE enter 0 0 0 0 ✱ 2 (change access) the fault tone will sound. Enter new code (any 4 digits in any order eg. 1 2 1 2) after the last digit is entered the siren will stop.

CHANGING DURESS CODE enter 0 0 0 0 ✱ 1 (change duress) the fault tone will sound. Enter new code (any 4 digits in any order eg. 2 1 2 1) after the last digit is entered the siren will stop.

CHANGING BOSS CODE enter 0 0 0 0 ✱ 3 (change boss) the fault tone will sound. Enter new code (any 4 digits in any order eg. 8 0 8 0) after the last digit is entered the siren will stop.

NOTE YOU HAVE JUST CHANGED THE BOSS CODE - THIS NEW CODE REPLACES THE FACTORY SET CODE OF 0 0 0 0 !!!

ENGINEER CODE = 6 6 6 6

Factory set programme

Zone 1   Final Exit

Zone 2   Exit Route

Zone 3   TAMPER INDICATION ONLY

Zone 4   Guard, on in FULL & PART only

Zone 5   Guard, on in FULL & PART only

Zone 6   Guard, on in FULL & CHIME only

EXIT TIME = 20 seconds (when used eg. PART) ENTRY TIME = 40 seconds
BELL START = ZERO minutes   BELL STOP = 15 minutes

SYSTEM FUNCTIONS

SETTING SCHEME
FULL   Final door set
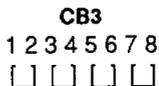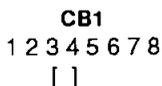PART   Timed exit with quiet tone, zone 6 deselected and BELLS ONLY EXCEPT P. A..
CHIME   Instant set, zones 2, 3, & 4 deselected, internal siren only.
       CUSTOMER RESET   BELLS AND STROBE ON P. A.

SIGNALLING FUNCTIONS

AUTO RESET 3 TIMES automatically deselects any permanently faulty zone or zones.
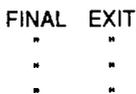CHIME IS NON-LATCHING TAMPER SOUND: INTERNAL SIREN STOPS WITH BELL.

CONNECTIONS

CB1	CB2	CB3	CB4
1 2 3 4 5 6 7 8	1 2 3 4	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8
⨆	⨆⨆	⨆ ⨆ ⨆ ⨆	⨆ ⨆ ⨆ ⨆

TERMINAL DESCRIPTIONS

CB1 (from Left)
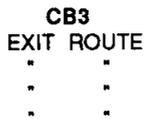|		
1		Switched +ve out-put
2	(S)	-ve out-put in alarm, not affected by bell timer.
3	(D)	-ve hold off and anti-tamper feed.
4	(C)	-ve anti-tamper return.
5	(B)	-ve output in alarm, subject to cut off by bell timer.
6	(A)	+ve common and hold off.
7		Com -ve for feed to Space Detectors.
8		13.68 +ve feed to Space Detectors. 250mA Max.

CB2
1	-ve out anti-tamper feed	FINAL EXIT
2	-ve in anti-tamper return	" "
3	+ve in detection loop return	" "
4	+ve out detection loop feed	" "

CB 3 & 4
		CB3	CB4
1	-ve out anti-tamper feed	EXIT ROUTE	ZONE 5
2	-ve in anti-tamper return	" "	"
3	+ve in detection loop return	" "	"
4	+ve out detection loop feed	" "	"
5	-ve out anti-tamper feed	ZONE 4	ZONE 6
6	-ve in anti-tamper return	"	"
7	+ve in detection loop return	"	"
8	+ve out detection loop feed	"	"

PL3 (MIDDLE LEFT of PCB) (from bottom)
1	Common -ve	5	Intruder +ve
2	NOT USED	6	NOT USED
3	Set +ve	7	Common +ve
4	P.A. +ve	8	Line Sense Input -ve

This plug is provided for the connection of remote signalling equipment, e.g. digital communicator, with the use of the eight way IDC communications plug supplied which has No. 1 marked on it to correspond with No. 1 above. In the event that the system is intended to be "Bells Only" and it is required to extinguish the NO LINE LED, insert a link of wire between 1 and 8 on the communications plug and fit it to PL3.

PL2 (TOP LEFT of PCB) (from bottom) for remote setting point.

CONTROL PANEL		REMOTE SETTING POINT
1	Speaker +ve	1
2	Speaker -ve	2
3	Open light	3
4	Fault light	4
5	Keypad	5
6	Keypad	6
7	Keypad	7
8	Keypad	8

PROGRAMMER'S GUIDE

TO ENABLE PROGRAMME CHANGES TO BE MADE

1. Slide SW1 down to position "R".
2. Press push button SW2, siren will start.
3. Slide SW1 up to position "P".
4. Enter ✳ 6 6 6 6 this will silence the sounder.
5. Slide SW1 down to position "R".
6. Press ✳ twice.
7. Enter 1 2 3 4

N.B. It is only necessary to carry out the above procedure when an RS50 ϶ to be re programmed for the **FIRST** time.

RE-PROGRAMMING RS 50/F

1. ENSURE THAT THE PANEL IS **NOT** SET i.e. the **OPEN** light is **ON.**
2. Remove the lid, ensure that the ENGINEER SWITCH is down (if it is ɪp at this the system is self configuring and cannot be re-programmed).
3. Slide ENGINEER SWITCH up, enter ENGINEER CODE on the keyp d (factory 6666), this action will silence the siren and bring on the NIGHT SET ONE.
4. Re-programme as required.

When in ENGINEER MODE

✳ moves to next block   # moves to next position in block

TONES ARE USED AS BLOCK POINTERS

ZONES

When the NIGHT SET TONE is sounding you are in the ZONE BLOCK.
The four STATUS LIGHTS indicate the position in the block.

OPEN = ZONE 4   FAULT = ZONE 5   NO MAINS = ZΟ ΛΕ 6

The first three zones are fixed and cannot be re-programmed.

1 = FINAL EXIT   2 = EXIT ROUTE   3 = TAMPER IND ᵢATION C

ZONE LIGHTS 1 to 6 display the programme and can be switched on anᵢ off by pre the associated button. Lights 1 to 3 are used in combination to deteɪ ɪine the Z FUNCTION.

ZONE FUNCTIONS

	1	2	3				
DO NOT USE	1	2	3				
DO NOT USE	0	2	3				
P.A.	1	0	3				
24 Hour	0	0	3	┌ NO MANUAL DESELECT			
FINAL EXIT	1	2	0		┌ AUTO DESELECT ON PA ⌐ SYSTEΛ		
EXIT ROUTE	0	2	0			┌ AUTO DESELECT OⱵ ϽHIME	
GUARD D/KNOCK	1	0	0				┌ DISPLAY ONLY, Ο INDICA
GUARD	0	0	0	4	5	6	7

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SYSTEM & SIGNALLING

When the EXIT TONE is sounding you are in SYSTEM & SIGNALLING block
The four STATUS LIGHTS indicate the position in the block
OPEN = SYSTEM   FAULT = SIGNALLING

ZONE LIGHTS 1 to 6 display the programme and can be switched on and off by pressing the associated button.

SYSTEM

1	=	Customer Reset	4	=	Bells only on PART SYSTEM
2	=	Latching CHIME	5	=	No bells or strobe on P. A.
3	=	Timed Exit	6	=	Not used

SIGNALLING

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                                        ┌ CONTINUOUS AUTO-RESET
RESET 7 TIMES    1   2   |   ┌ INSTANT BELL ON ENTRY
RESET 3 TIMES    0   2       |   ┌ NO BELL CUT -OFF
RESET ONCE       1   0   |   |   |   ┌ NO INTERNAL SIREN CUT-OFF
BELL STOP        0   0   3   4   5   6
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N.B.   INSTANT BELL ON ENTRY is a new introduction to meet the latest
N. S. C. I. A. requirement and is set as standard

TIMERS

When the ENTRY TONE is sounding you are in the TIMER BLOCK.

The four STATUS LIGHTS indicate the position in the block

OPEN = Exit time   FAULT = Entry Time............BOTH IN SECONDS.
NO MAINS = Bell Start   NO LINE = Bell stop..............BOTH IN MINUTES.

ZONE LIGHTS 1 to 6 display the six least significant bits of time value in BCD, and are therefore BEST IGNORED!!

Time delays are set by entering the time required using TWO DIGITS in the range $\boxed{0}\,\boxed{0}$ to $\boxed{9}\,\boxed{9}$.

ENGINEER CODE

When the fault tone is sounding you may enter FOUR digits to change the ENGINEER CODE or press $\boxed{*}$ to retain the existing ENGINEER CODE: after either action the tone will revert to NIGHT SET.

To check programme changes slide ENGINEER SWITCH down and use the ENGINEER CODE to operate the system. To make further changes slide the ENGINEER SWITCH up again and continue re-programming.

N.B. DO NOT SLIDE THE ENGINEER SWITCH DOWN WHEN THE FAULT TONE IS SOUNDING.

AFTER RE-PROGRAMMING

Slide the ENGINEER SWITCH down to the "R" position, replace the lid make any final tests using the ENGINEER CODE. When you are satisfied that the system is working according to the specification enter the SIGN OFF CODE which is always $\boxed{1}\,\boxed{2}\,\boxed{3}\,\boxed{4}$.

Finally ensure that the FAULT LIGHT is neither illuminated nor flashing and confirm that the USER CODE is operating and depart.