



EN50131-1:2006+A1:2009
EN50131-3:2009
EN50131-6:2008
EN50131-5-3:2005+A1:2008
Security Grade 2
Environmental Class II



Engineer Programming Quick Guide

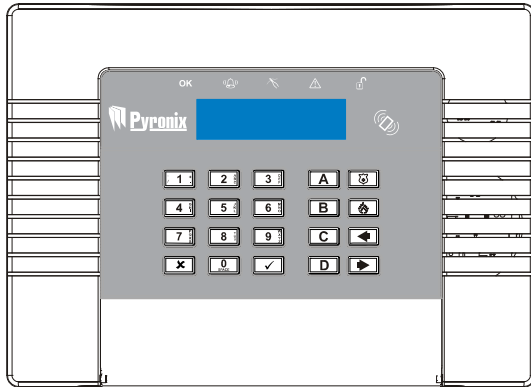
INTERNAL SIREN WARNING
The Enforcer 32-WE control
panel contains a 100 dBA
siren, please be aware of
this during installation.

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*** To quick start the system, only these features are needed to be programmed.**

Default Master Manager Code: 1234

Default Engineer Code: 9999



Arming/Disarming Methods:

There are three different devices that may be used in the process of arming/disarming the alarm system; these are the keypad, tag reader and keyfob.

Button Operations

- A** = Exit engineer menu / Select area A.
- B** = Moves backwards to the previous main menu item / Selects area B.
- C** = Displays additional information in the log / Scrolls to previous option in a sub-menu / Selects area C.
- D** = Moves forward in the log / Selects area D.
- = Used for Fire and PA alarms.
- = Directional buttons (used for choosing options and moving through text).
- = Selects items and enters menus.
- = Moves forward in the main menu and sub-menu / Exits option to sub-menu and sub-menu to main menu.

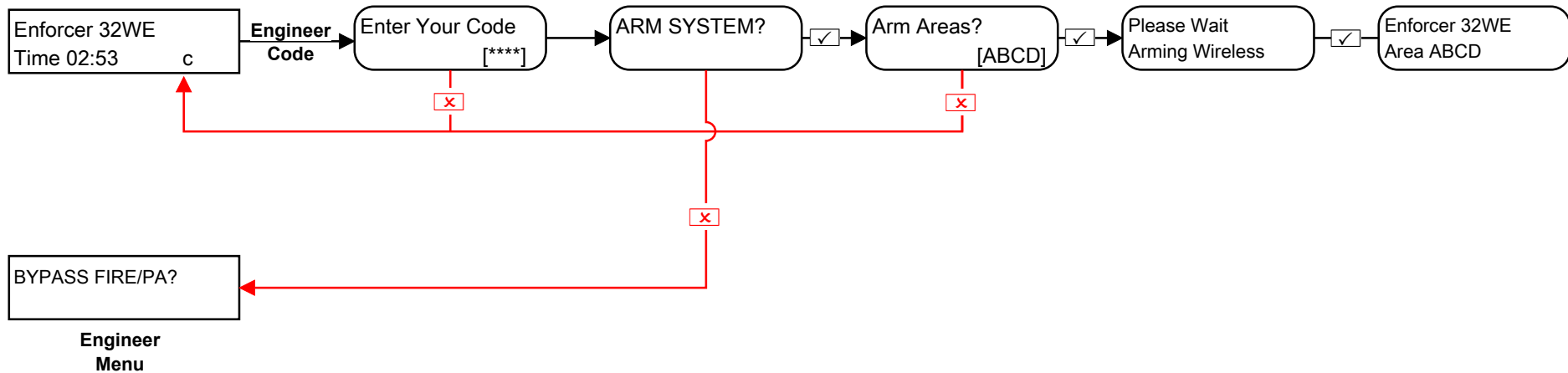
How to navigate through the menu's.

- = "NO" - Press to move forward when in Engineer or Master Manger mode
- B** = "BACK" - Press to move backward when in Engineer or Master Manger mode
- = "YES" - Press to enter in a submenu or option when in Engineer or Master Manger mode
- = Press to move from one option into another option while in a submenu
- A** = Press to quick exit the Engineer Menu from any main menu (written in capital letters)
- C** = "CANCEL" - Press to move back from one programmable option to the previous option.

Main menus are indicated with capital letters and end with a question mark (?), for example "LEARN WIRELESS DEVICE?". The sub-menus are indicated with small letters and they also end with a question mark, for example "Control Inputs?". Programmable options are indicated with small letters and do not finish with question mark (?) but Yes/No or other options are offered, for example "Bypass PA/Fire".

In order to navigate in the menu system one has to answer to the questions in the main and sub menus. For example, if the question is "LEARN WIRELESS DEVICE?". Pressing 'YES' will bring you in the sub-menu "Control Inputs?". Pressing (YES) will take you to the programmable options of this submenu. Pressing 'NO' will take you out of the individual option, will move you up from one sub-menu to the next sub-menu or back to the main menu.

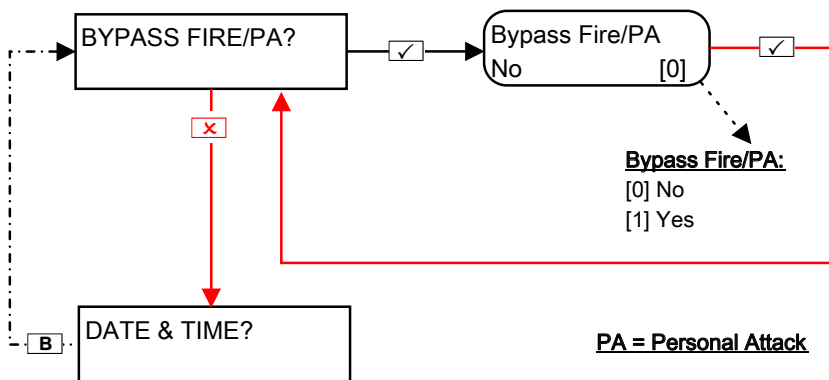
B: Entering Engineers Menu



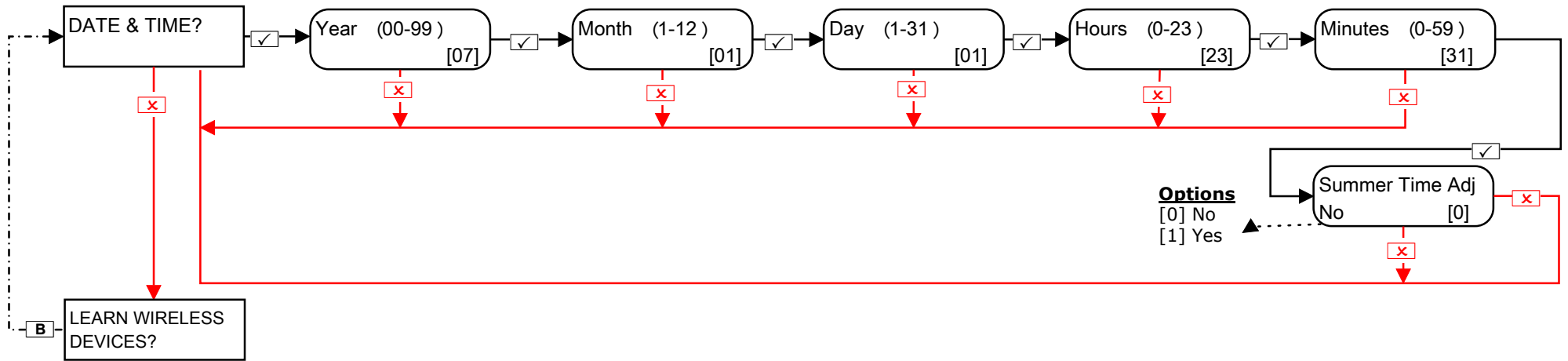
Default Engineer Code: 9999

NOTE: The Engineer can only disarm if it was armed initially with the engineer code.

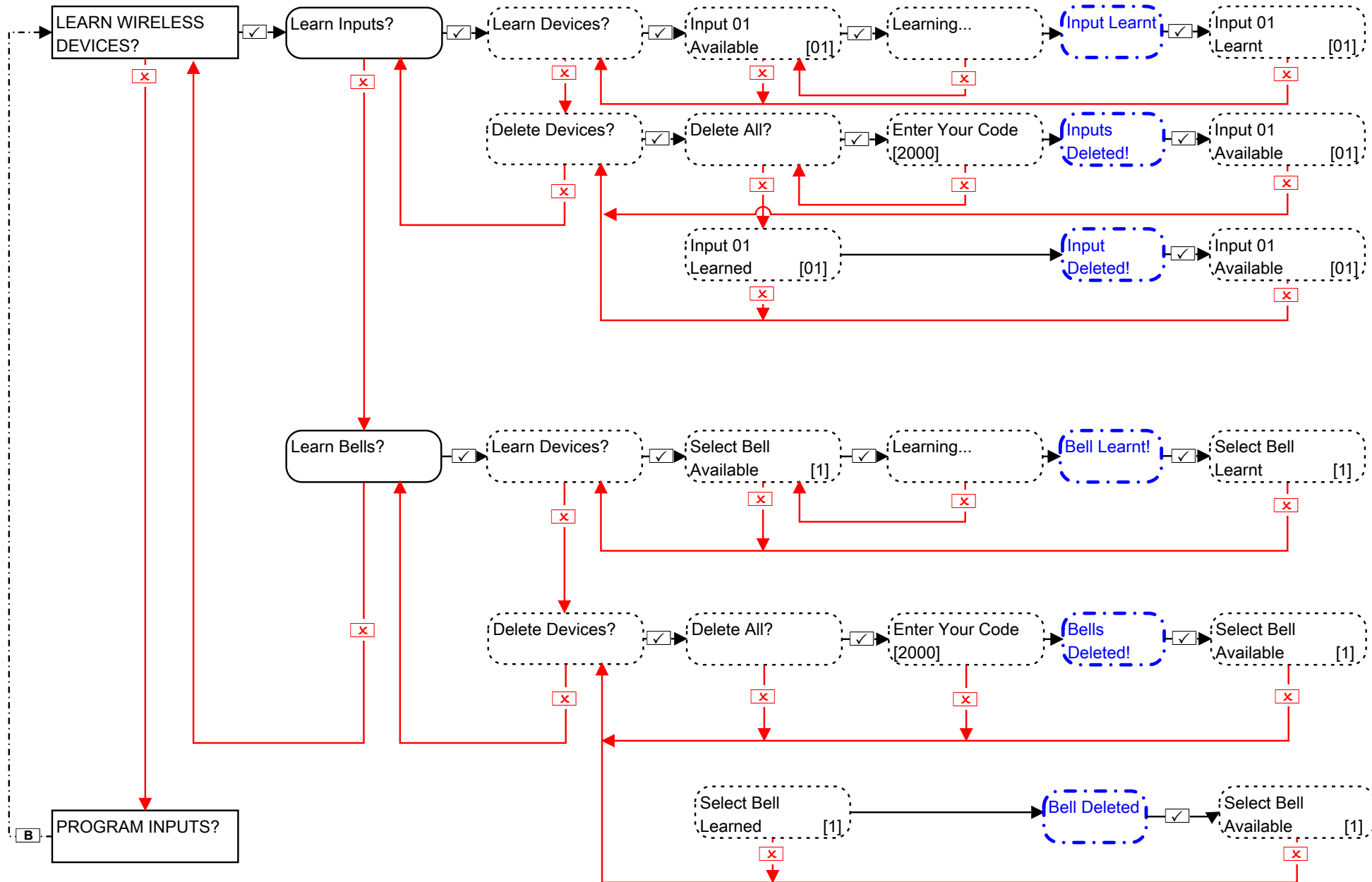
1 Engineers Menu: Bypass Fire/PA (Inputs)



2 Engineers Menu: Date & Time*

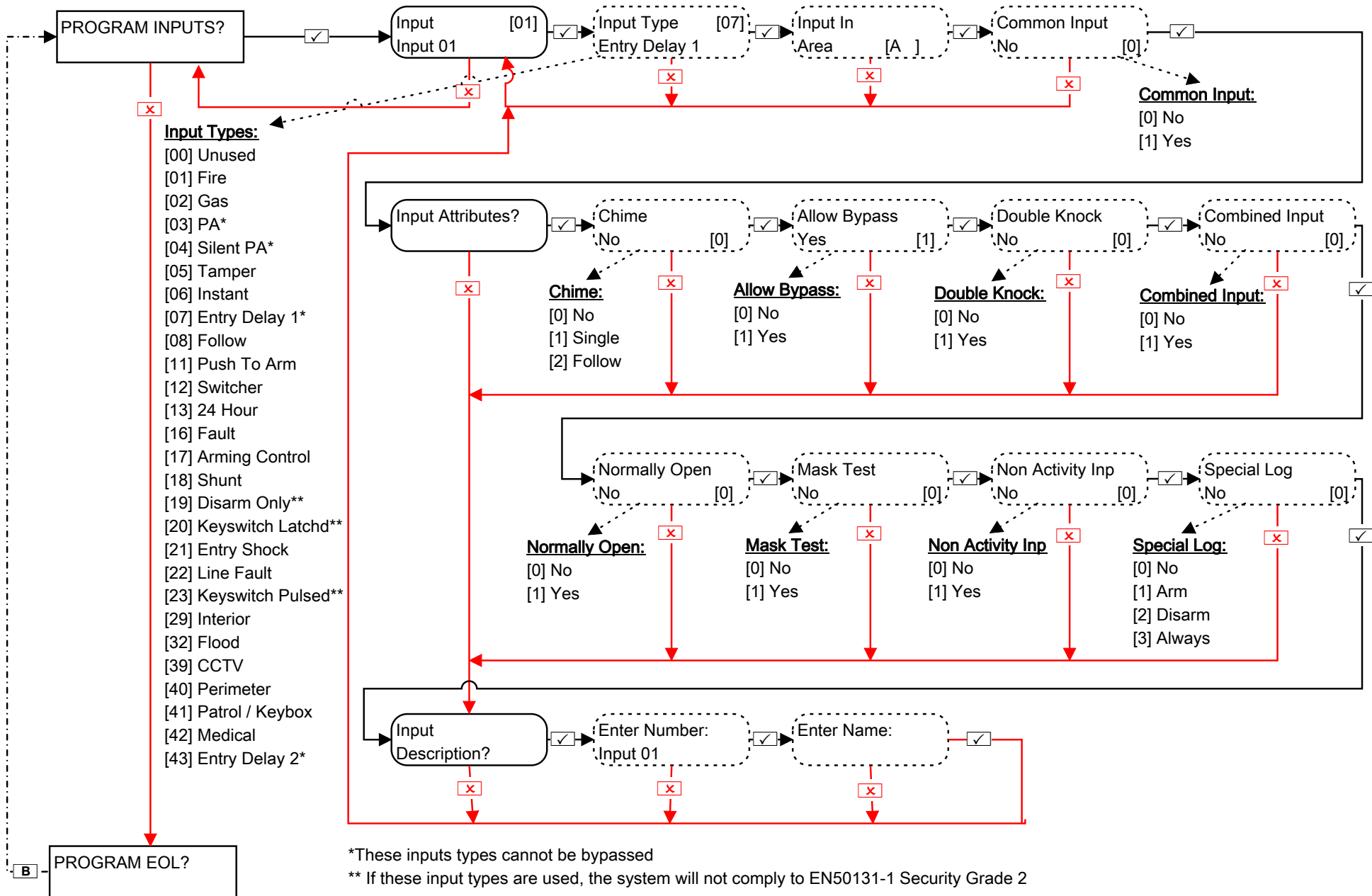


3 Engineers Menu: Learn Wireless Devices*

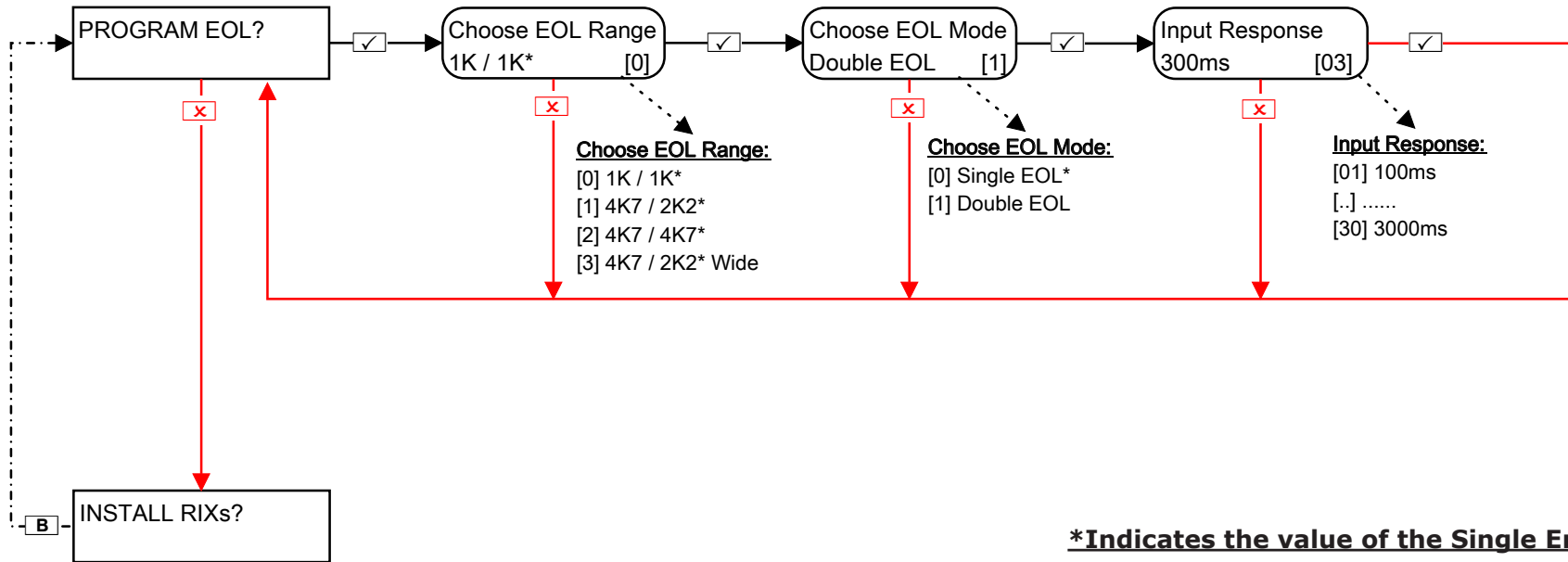


NOTE: Keyfobs are learnt and programmed from the Master Manager Menu

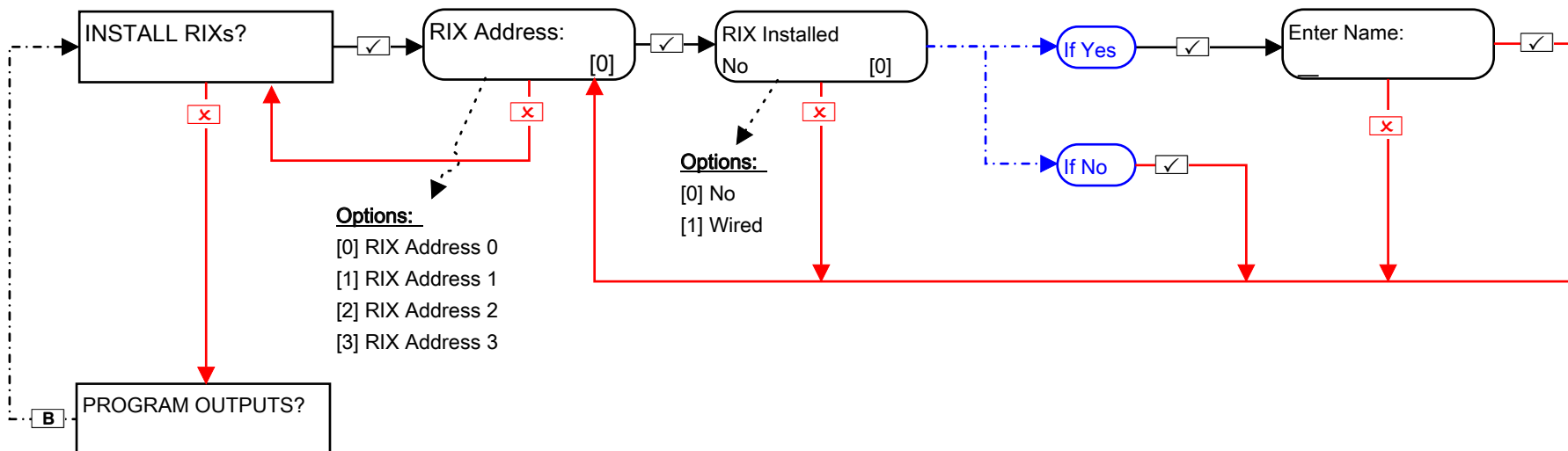
4 Engineers Menu: Program Inputs*



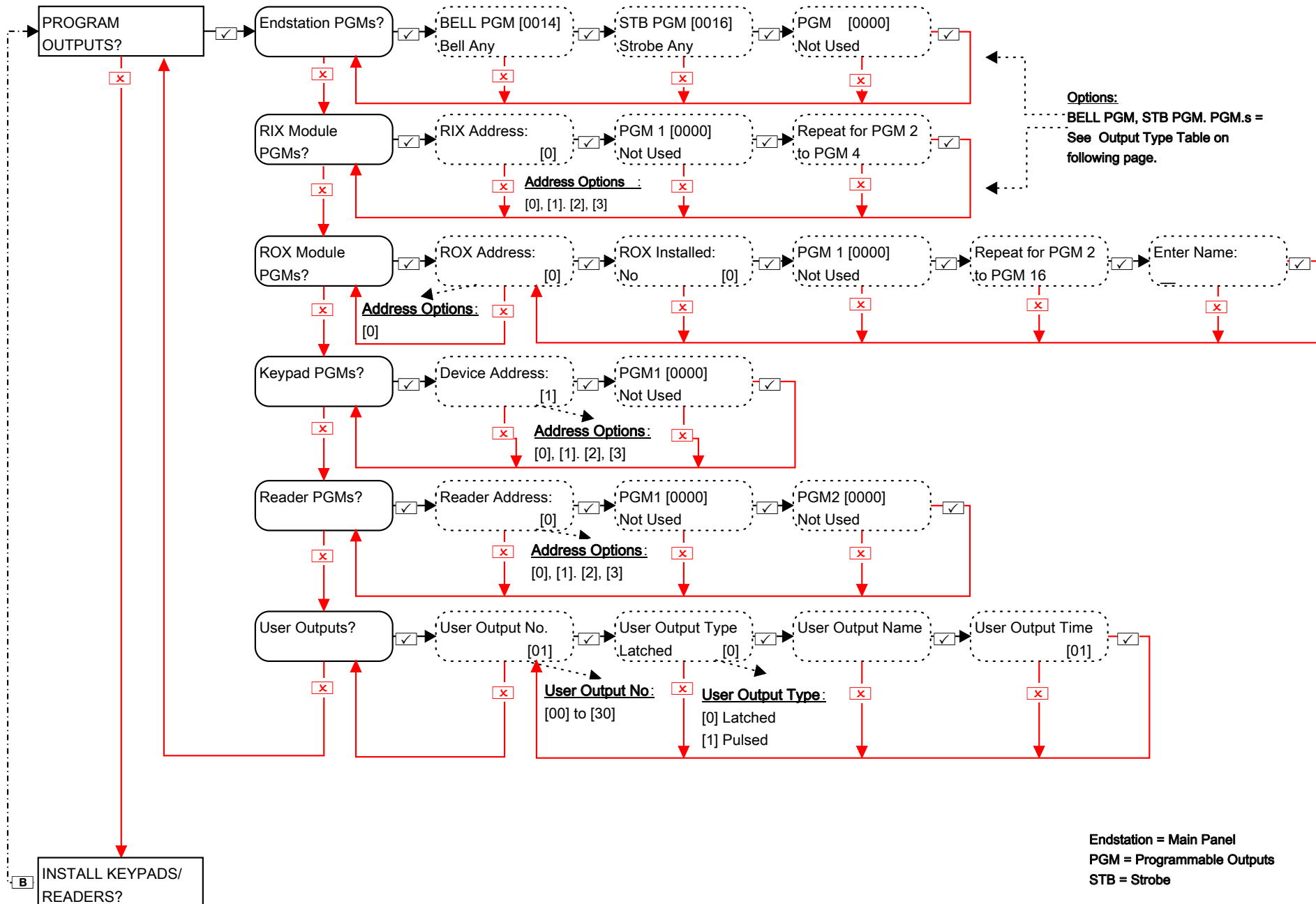
5 Engineers Menu: Program EOL (End of Line for the wired inputs)



6 Engineers Menu: Install RIXs



7 Engineers Menu: Program Outputs



Program Output Types

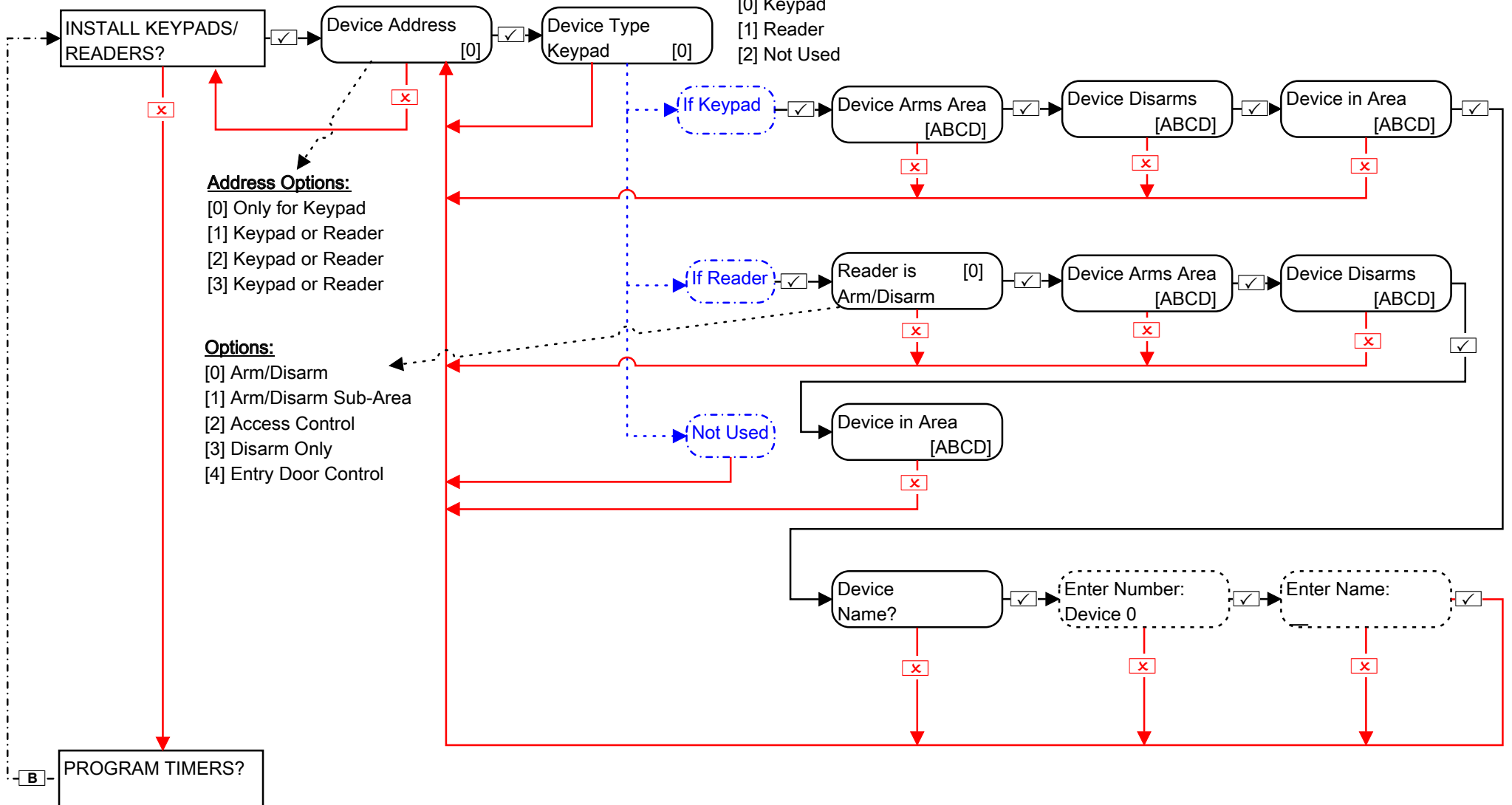
Options

[0000] Not Used	[0020] Exit Starts All	[0040] PIR Latch 2	[0063] Test UK STU	[0219] Ready A
[0001] Fire	[0021] Exit Starts Any	[0041] AC Mains Good	[0064] Pre RM Service	[0220] Exit Starts A
[0002] PA Any	[0022] Final Arm Any	[0042] PIR LED Enable	[0065] Input Fault	[0222-0240] Area B
[0003] Burglary Any	[0023] STB If Arm Fail	[0043] Follow Test	[0066] ATE Pin not used	[0242-0260] Area C
[0004] Final Arm All	[0024] Unable To Arm	[0044] Off During Test	[0067] Follow Chime	[0262-0280] Area D
[0005] Open After Alarm	[0025] Keyswitch Disarm	[0048] Walk Test	[0170-0199] User Defined 1-30	[0620-0639] Logic Gate 1-20
[0007] Tamper Any	[0026] Arm With Bypass	[0049] Detector Masked	[0202] PA A	[1001] Follow Input 01
[0008] Duress Any	[0027] Pulsed Burglar Any	[0050] Follow 24 Hr	[0203] Burglary A	[1002-1066] Follow Inputs 02-66
[0009] PA Device Any	[0028] Power Fault	[0051] Line/GSM Fault	[0204] Final Arm A	
[0010] Gas	[0031] Entry	[0052] AC Mains Fail	[0207] Tamper A	
[0011] Arm Fail	[0032] Exit	[0053] Battery Fault	[0208] Duress A	
[0012] Entry Deviation	[0033] Entry/Exit	[0054] Low Volts	[0209] PA Device A	
[0013] System Ready Any	[0034] Lights	[0055] Global Fault 1	[0210] Fire Reset A	
[0014] Bell Any	[0035] Follow Input	[0056] Global Fault 2	[0213] System Ready A	
[0016] Strobe Any	[0036] Shunt Fault	[0057] German Relay	[0214] Bell A	
[0017] Bypass Rearm Any	[0037] Restore 1	[0058] Guard Code Used	[0216] Strobe A	
[0018] Burglary Any	[0038] Restore 2	[0059] Engineer Access	[0217] Bypass on Rearm A	
[0019] Ready All	[0039] PIR Latch 1	[0060] Follow Power Up	[0218] Burglary A	

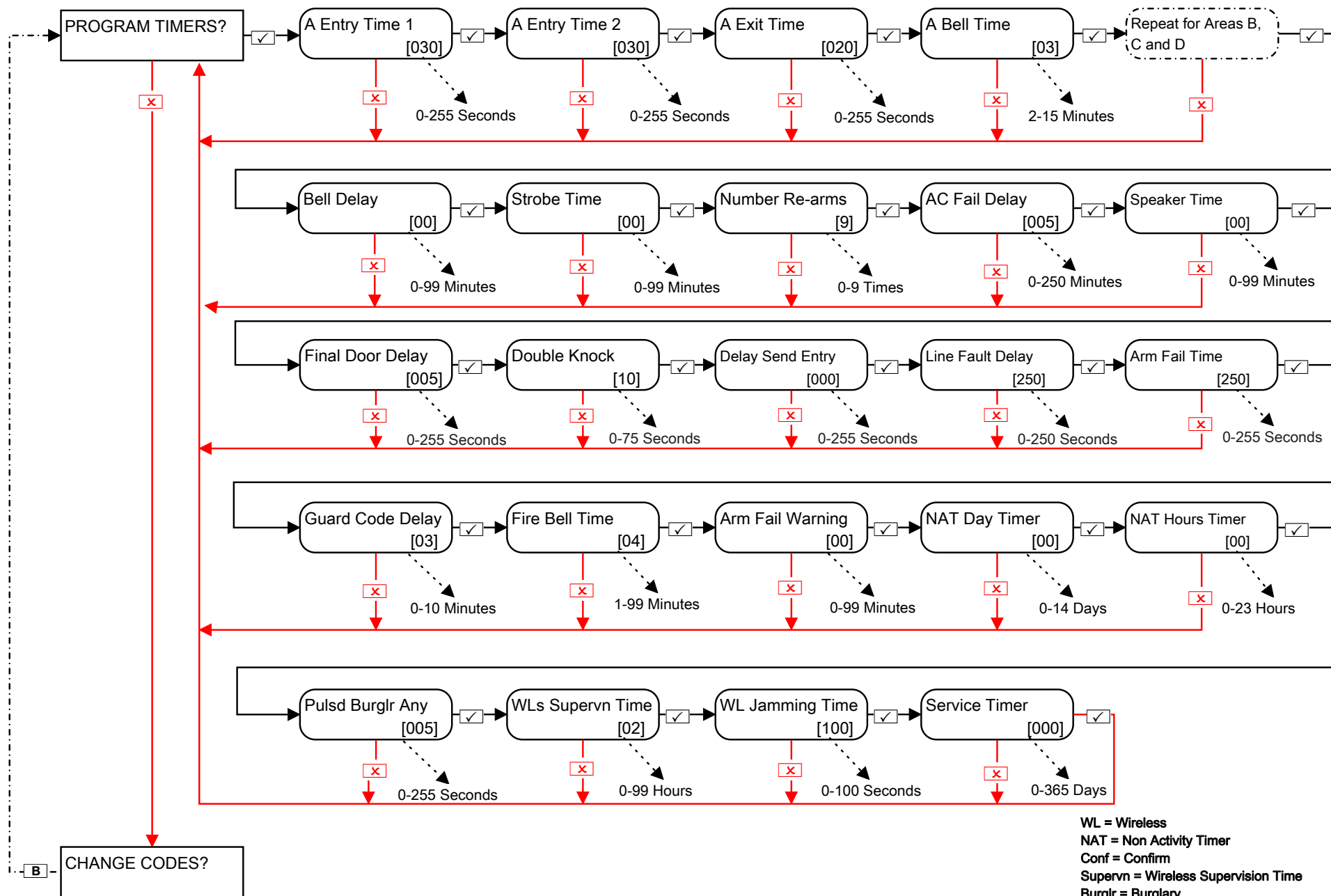
8 Engineers Menu: Install Keypads/Readers

Options:

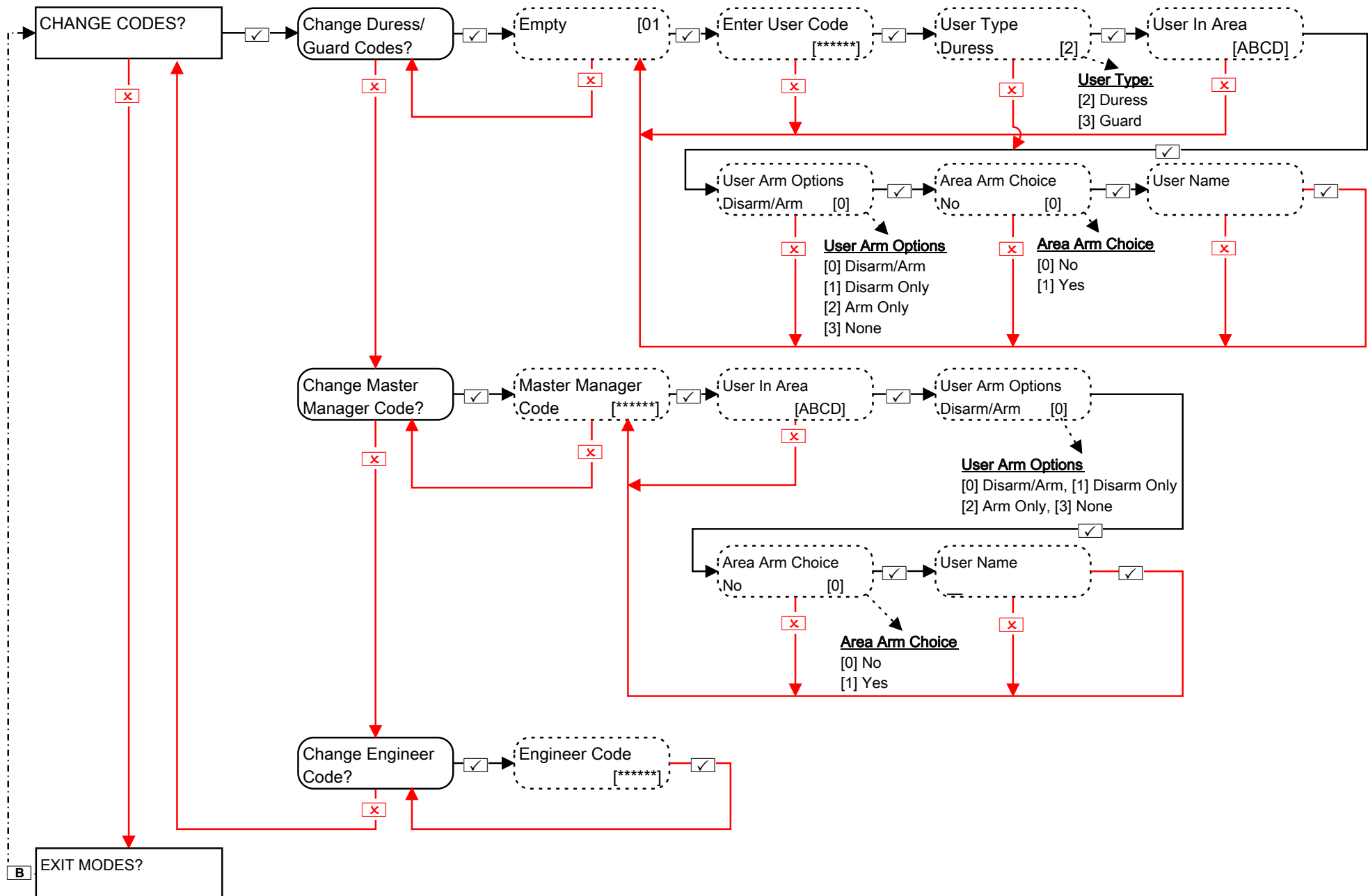
- [0] Keypad
- [1] Reader
- [2] Not Used



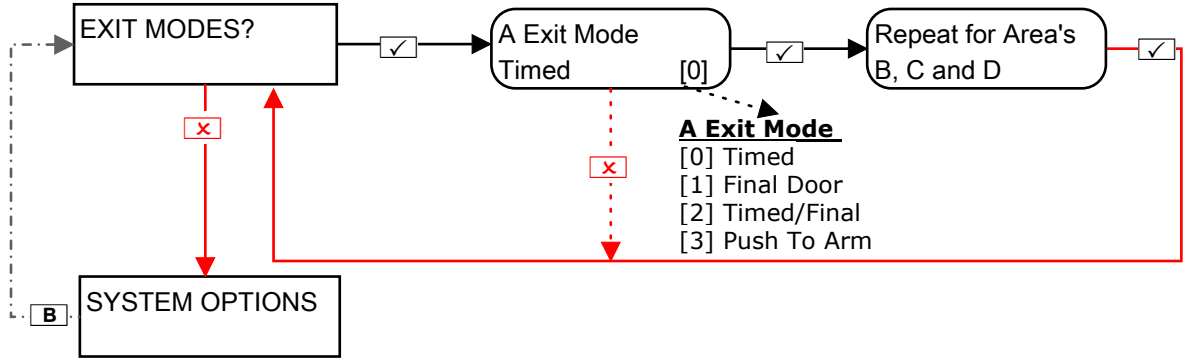
9 Engineers Menu: Program Timers*



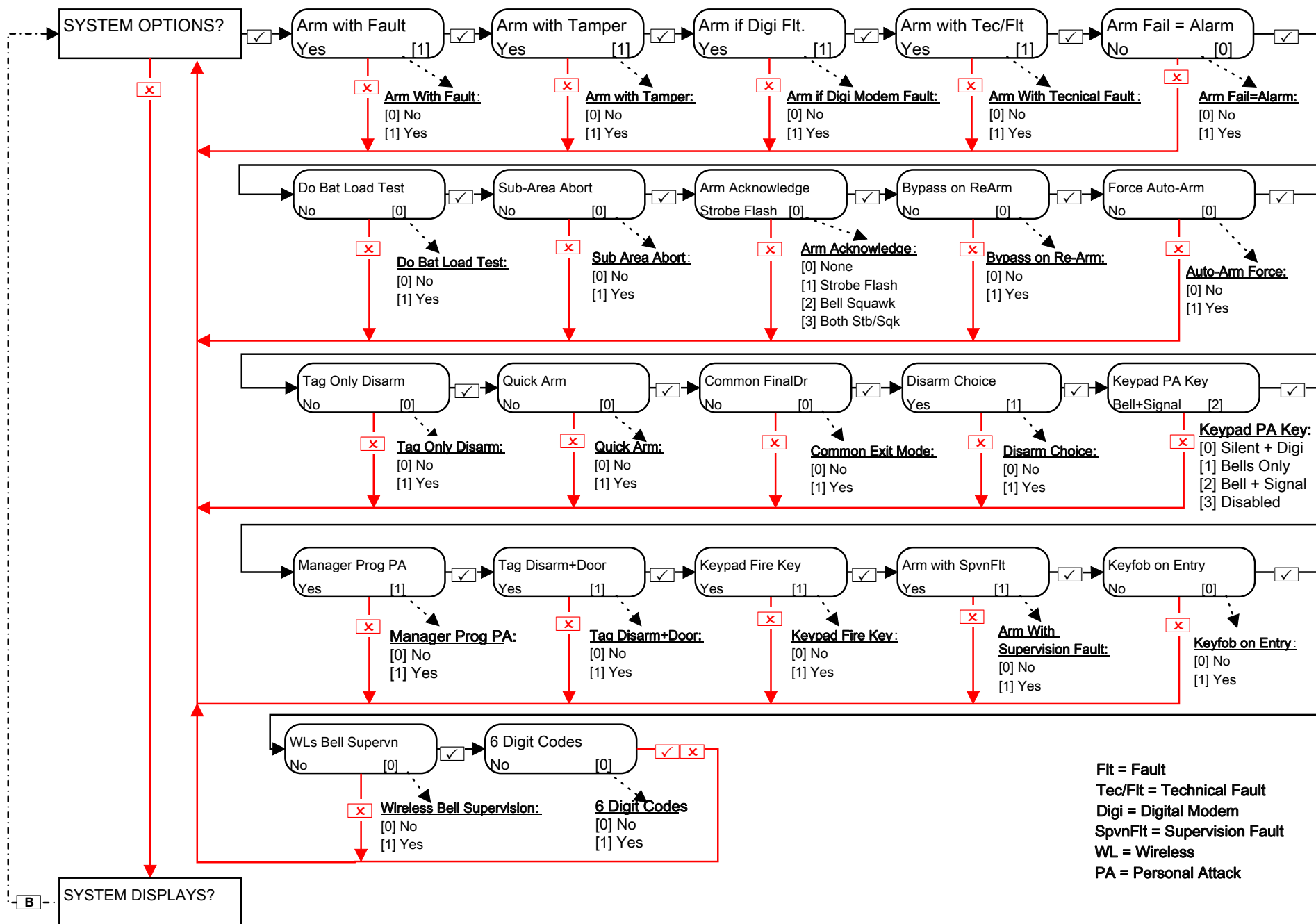
10 Engineers Menu: Change Codes*



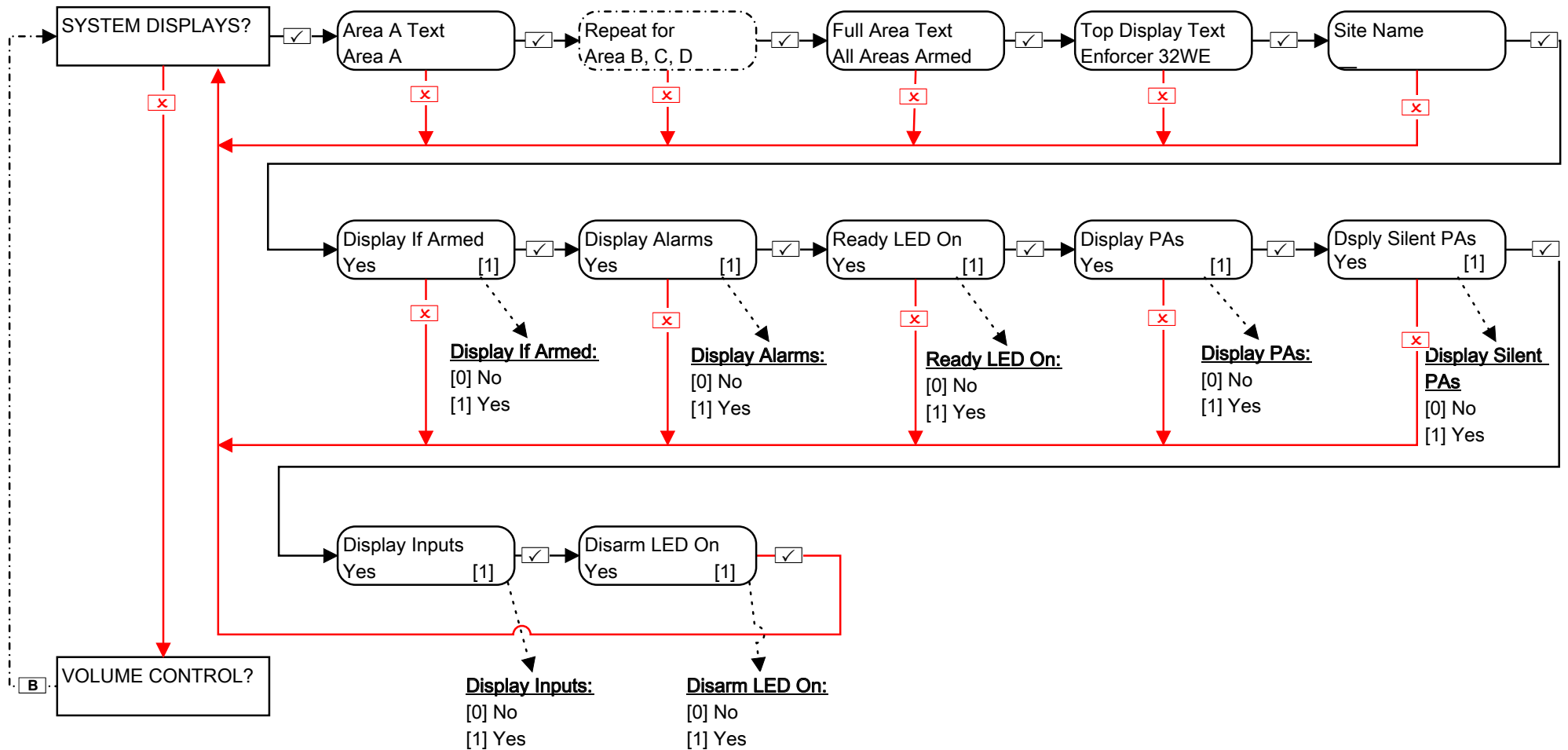
11 Engineers Menu: Exit Modes



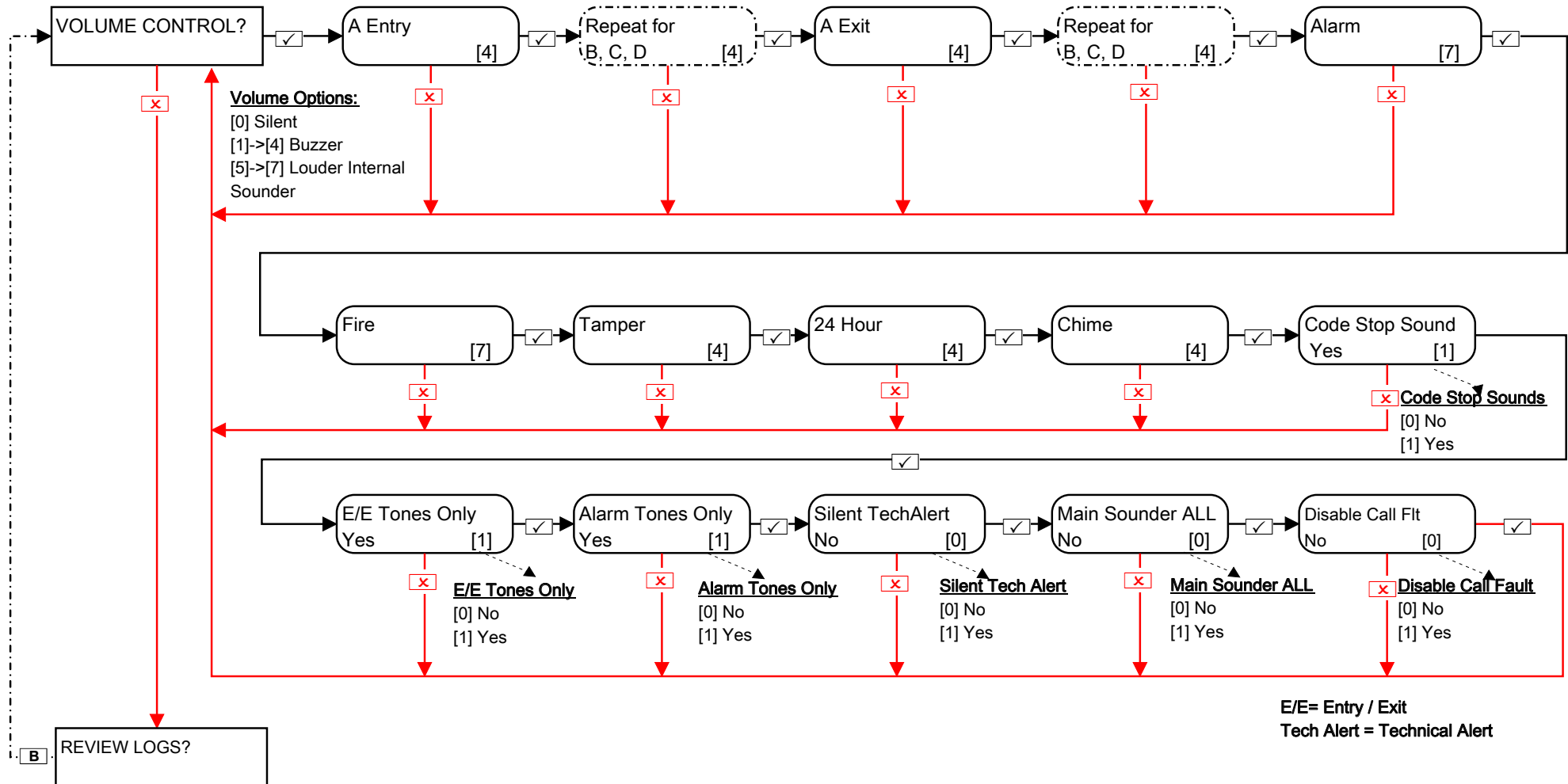
12 Engineers Menu: System Options



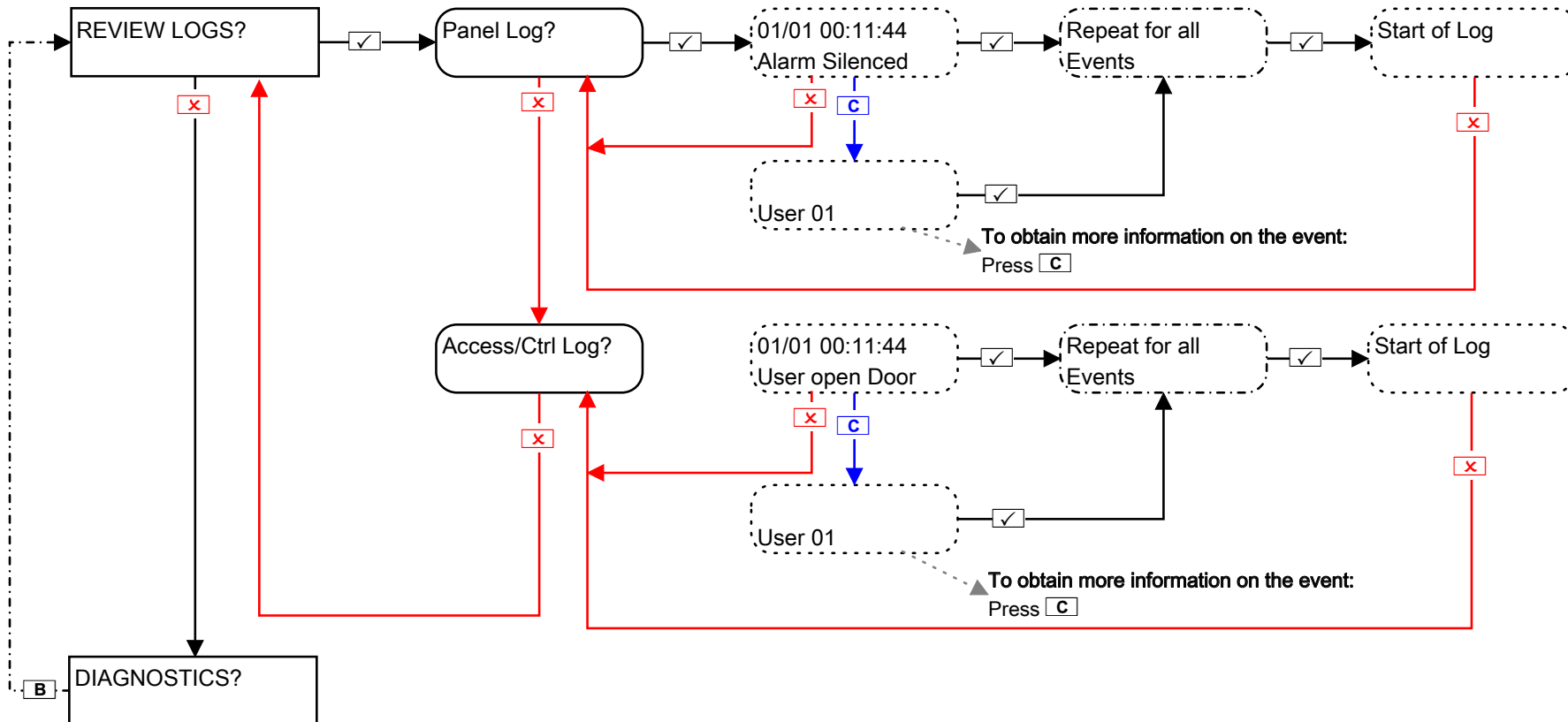
13 Engineers Menu: System Displays



14 Engineers Menu: Volume Control



15 Engineers Menu: Review Logs



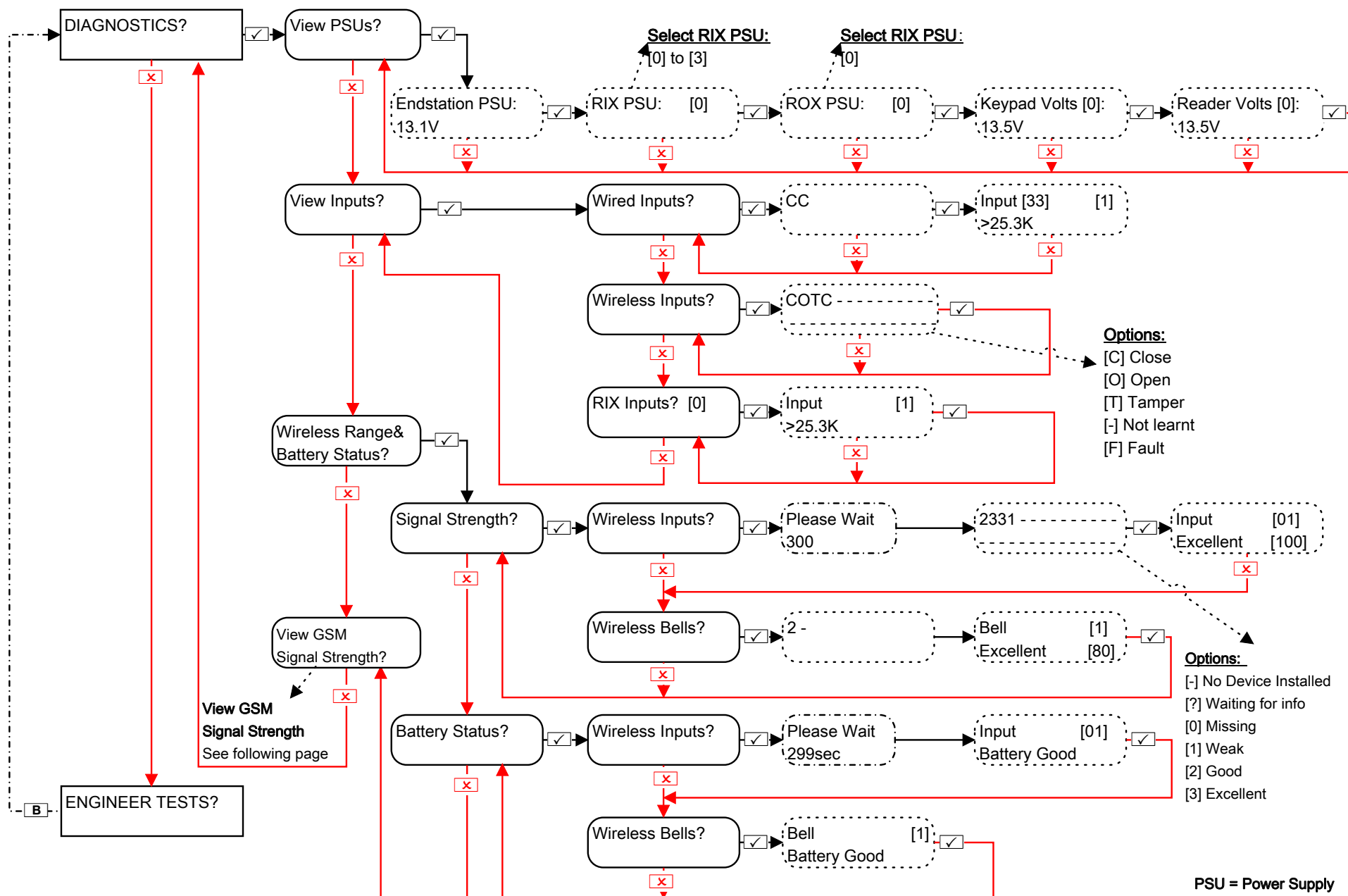
If a device on the Enforcer 32-WE system is not installed correctly or has been lost from the bus, a device fail will be present. An example of each fault is as follows:

- Failure on the panel = "Control Panel, Wireless Jamming Pnl"
- Keypad address 3 (1-3 available) failure = "Device 3, Device Fail Kpd"
- Tag Readers address 2 (1-3 available) failure = "Device 2, Device Fail Trd"
- Remote Input Expanders addresses 0 (0-4 available) = "RIX-00, Device Fail RIX"
- Remote Output Expanders address 0 = "ROX-00, Device Fail ROX"

If a 'location name' is entered for a device, the location will be displayed on the keypad instead of the address, for example instead of "Device 3" for the Keypad will display "Entrance Corridor".

16 Engineers Menu: Diagnostics

16.1 Engineers Menu: Diagnostics->View PSU's, View Inputs and Wireless Range and Battery Status



16.2 Engineers Menu: Diagnostics->View GSM Signal Strength

NOTE: This function will only be displayed if a Digi-GSM is installed.

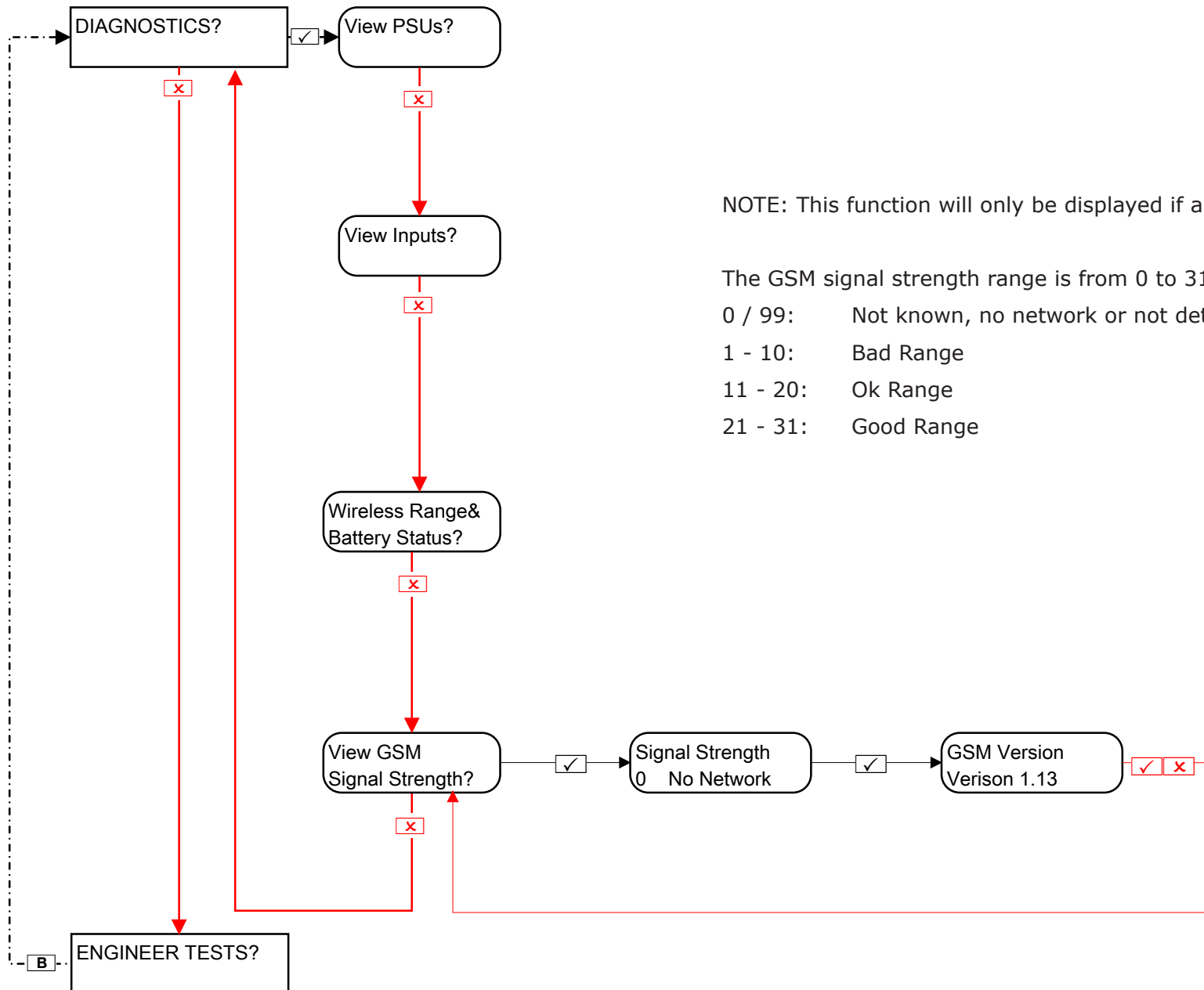
The GSM signal strength range is from 0 to 31.

0 / 99: Not known, no network or not detectable

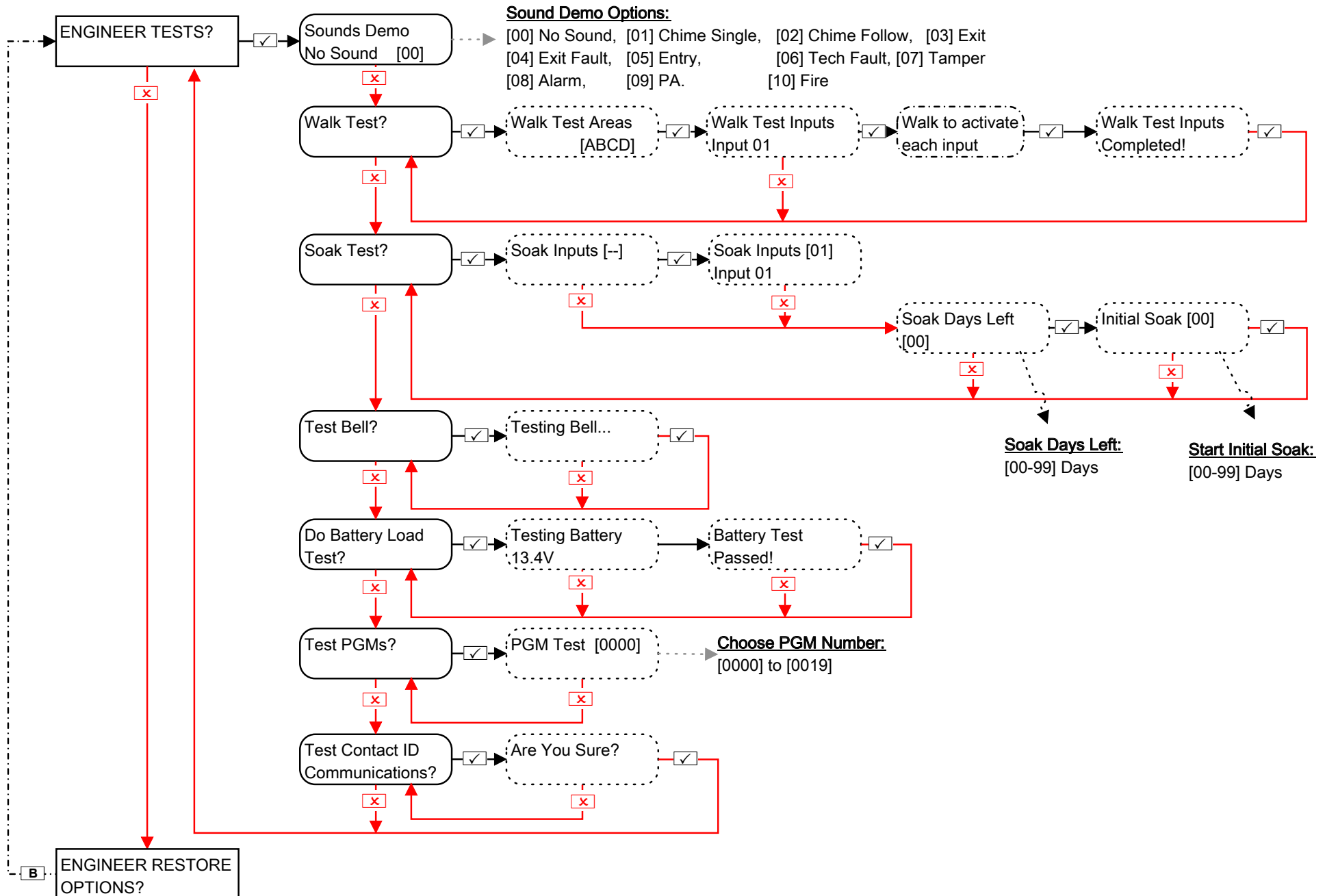
1 - 10: Bad Range

11 - 20: Ok Range

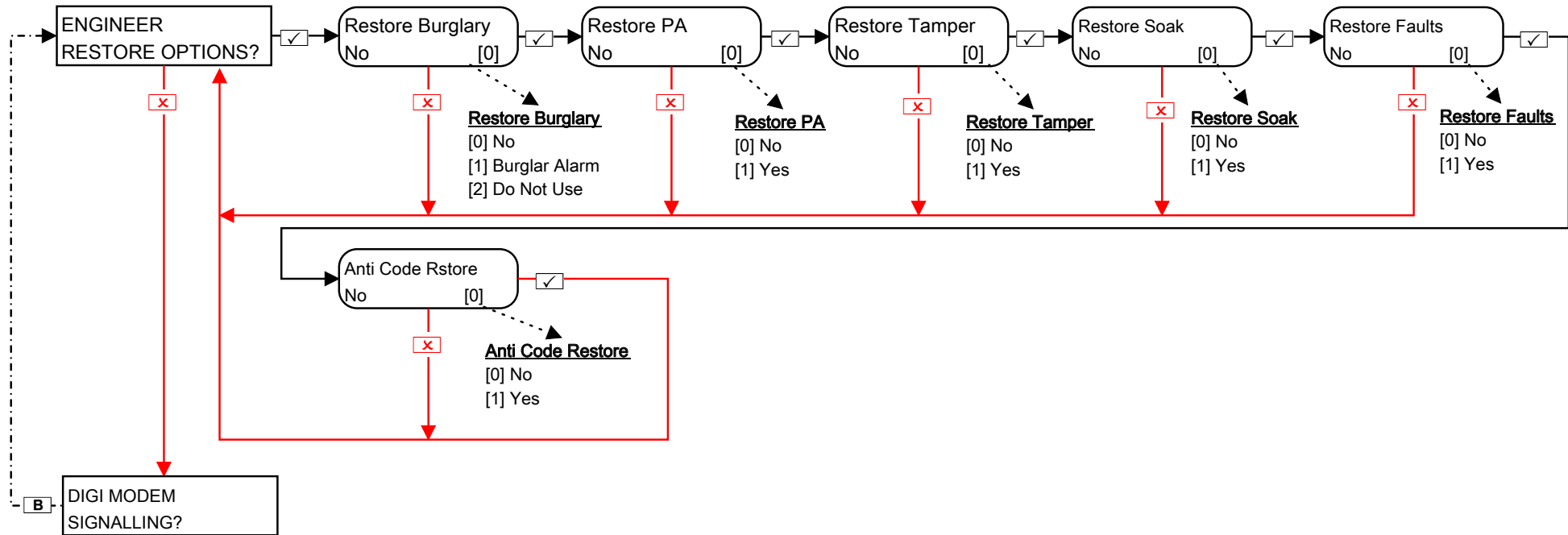
21 - 31: Good Range



17 Engineers Menu: Engineer Tests

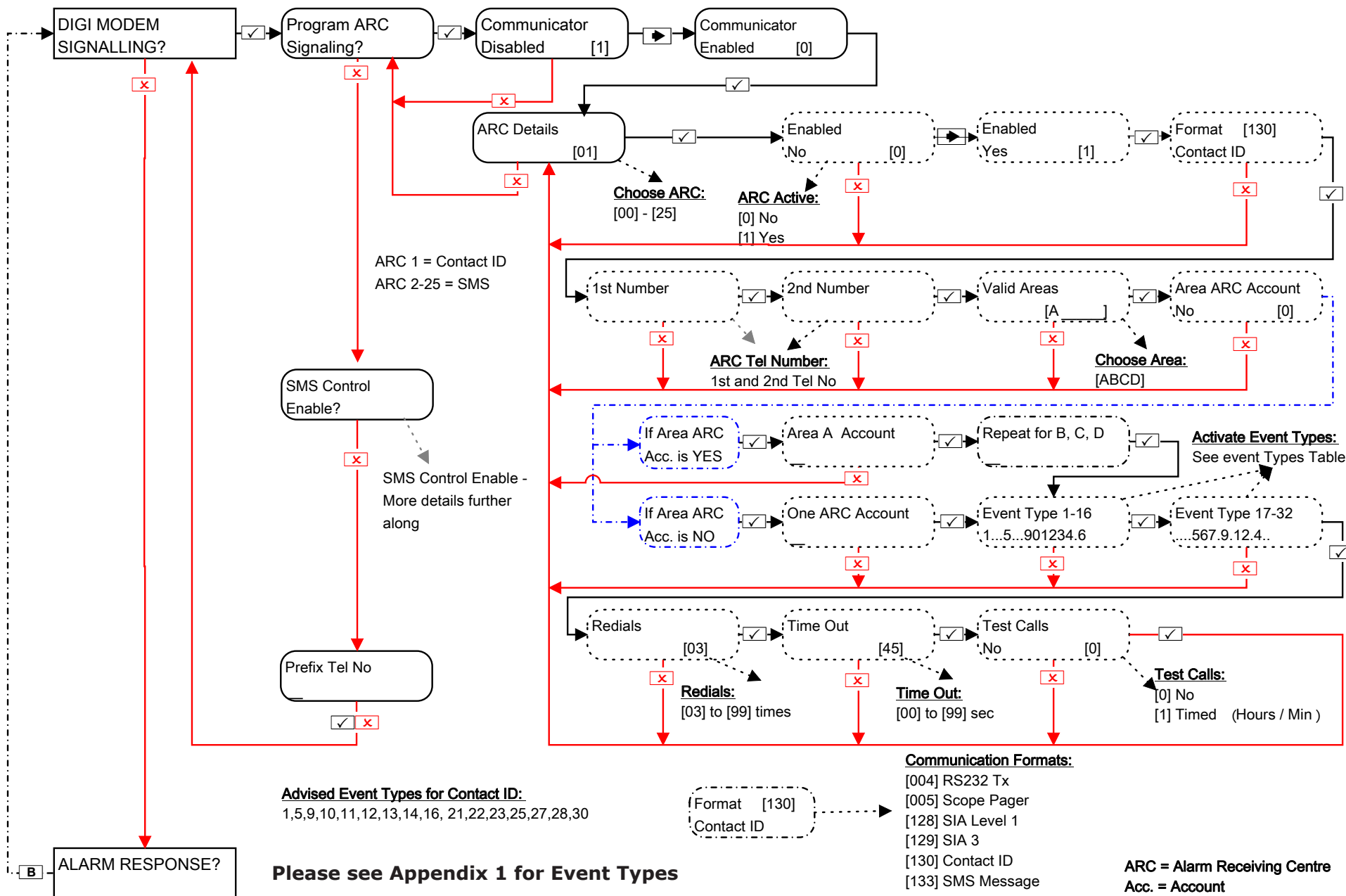


18 Engineers Menu: Engineer Restore Options

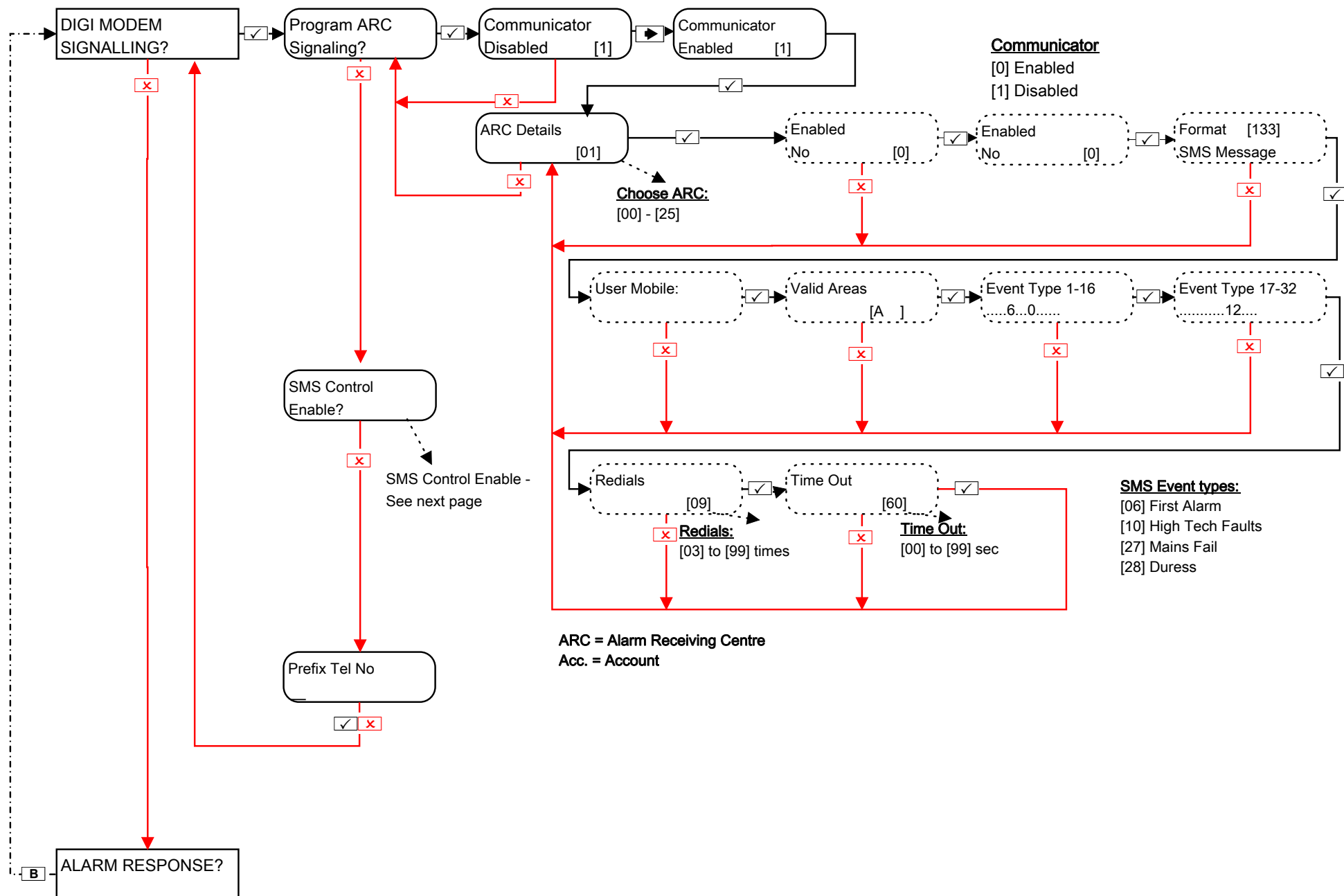


19 Engineers Menu: Digi Modem Signalling*

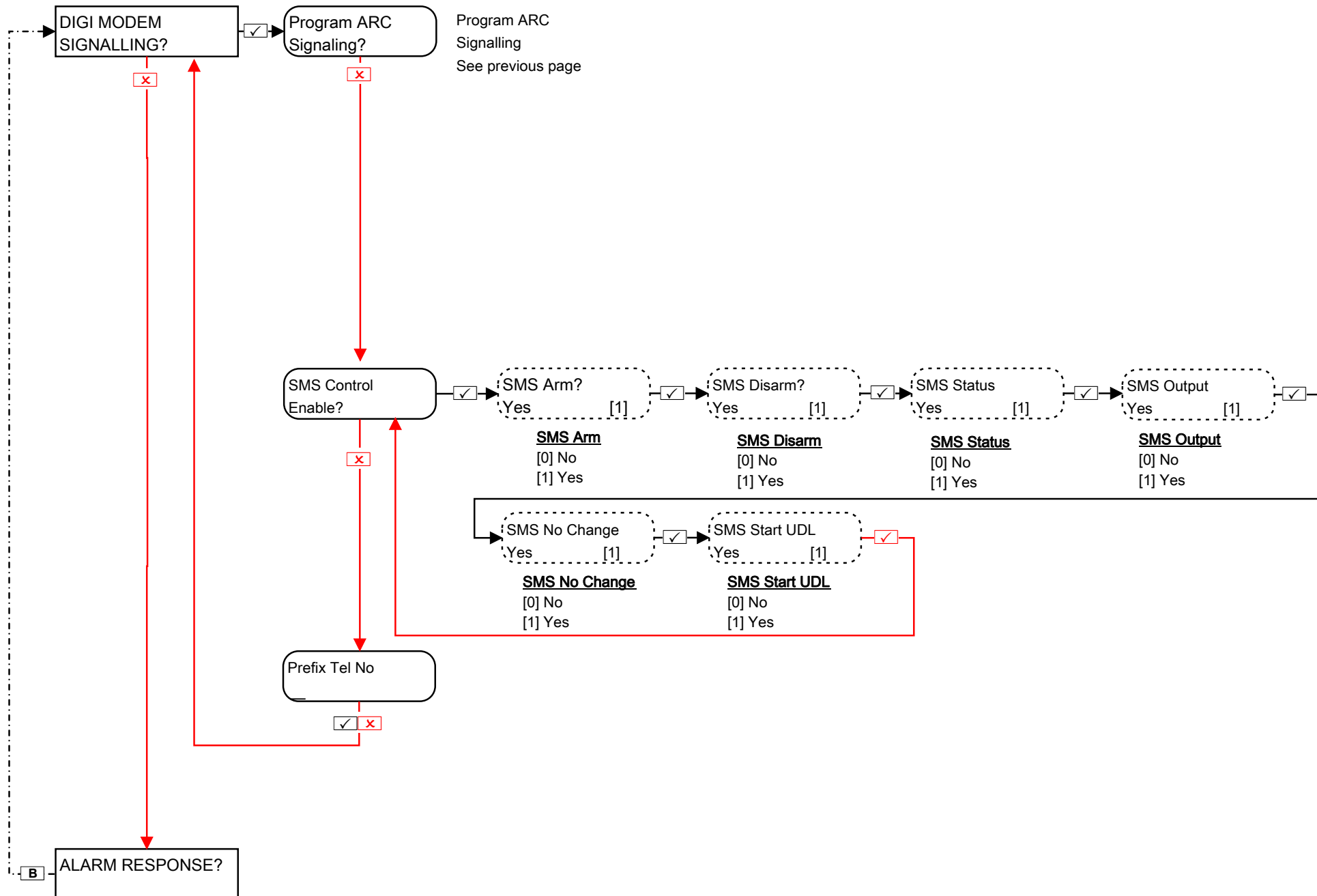
19.1 Engineers Menu: Digi Modem Signalling: Programming Contact ID



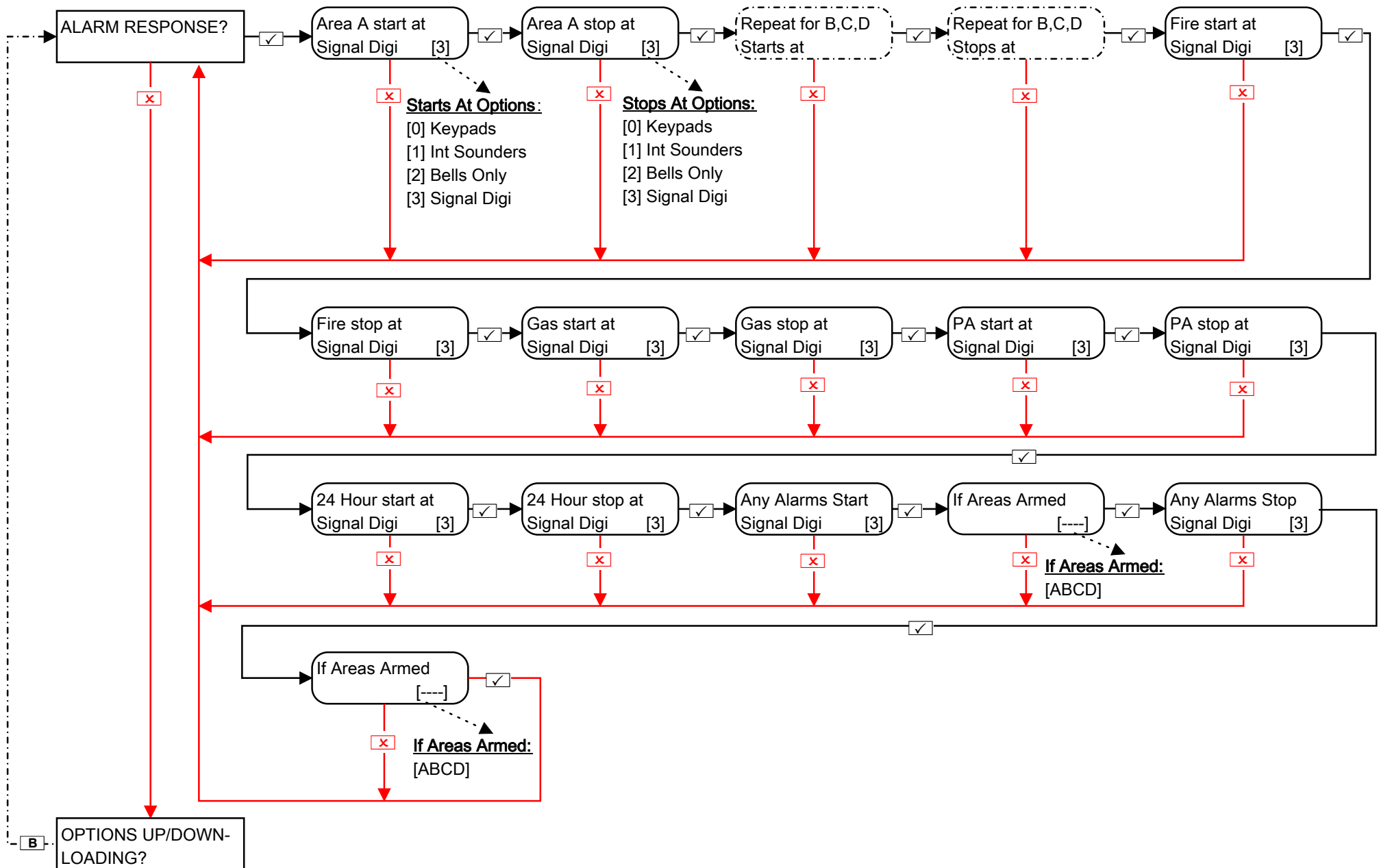
19.2 Engineers Menu: Digi Modem Signalling: Programming SMS Message



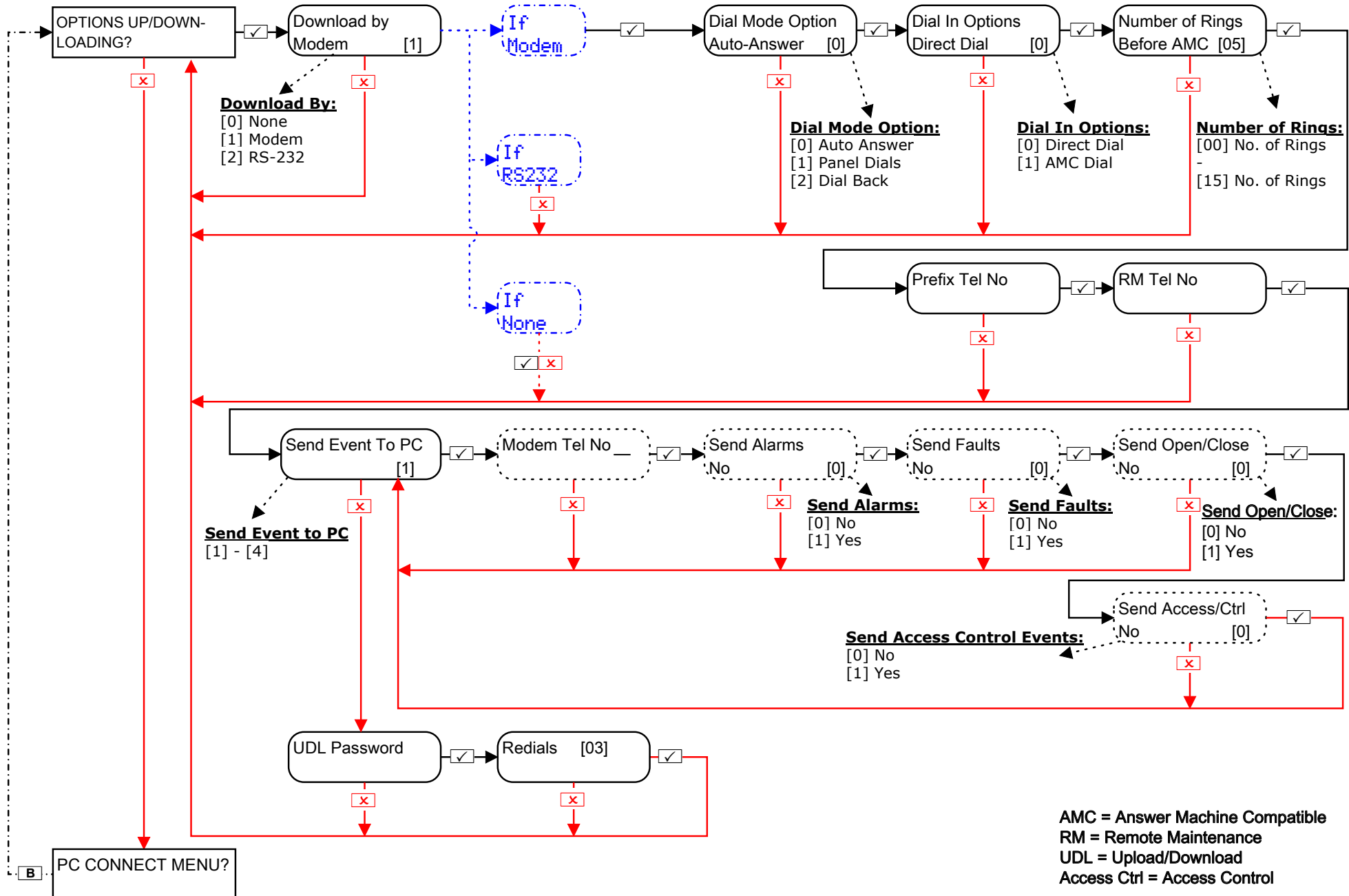
19.3 Engineers Menu: Digi Modem Signalling->SMS Control Enable



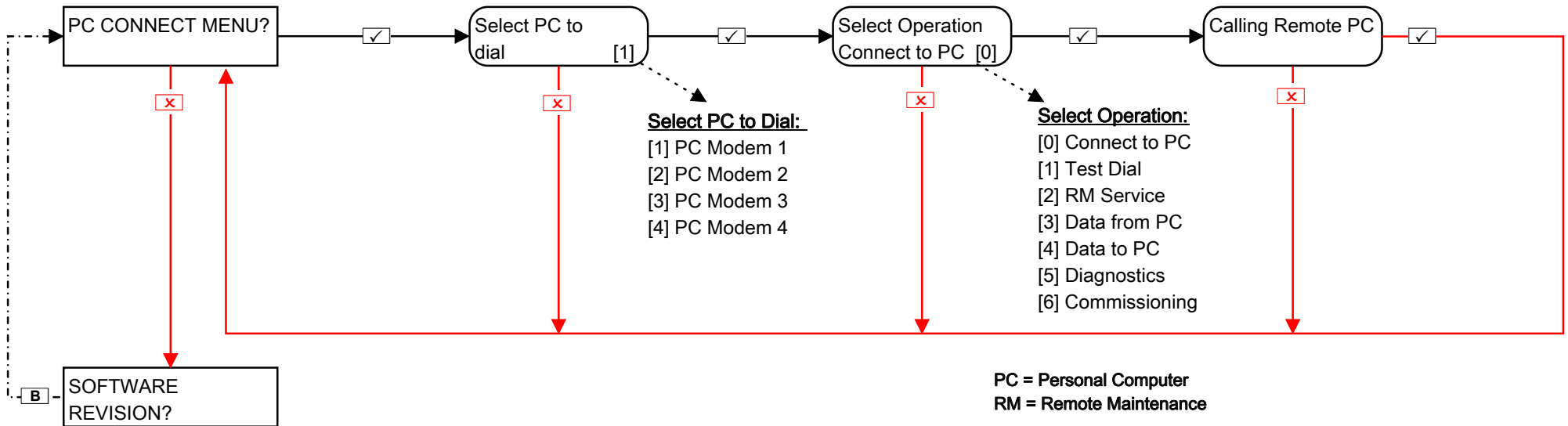
20 Engineers Menu: Alarm Response



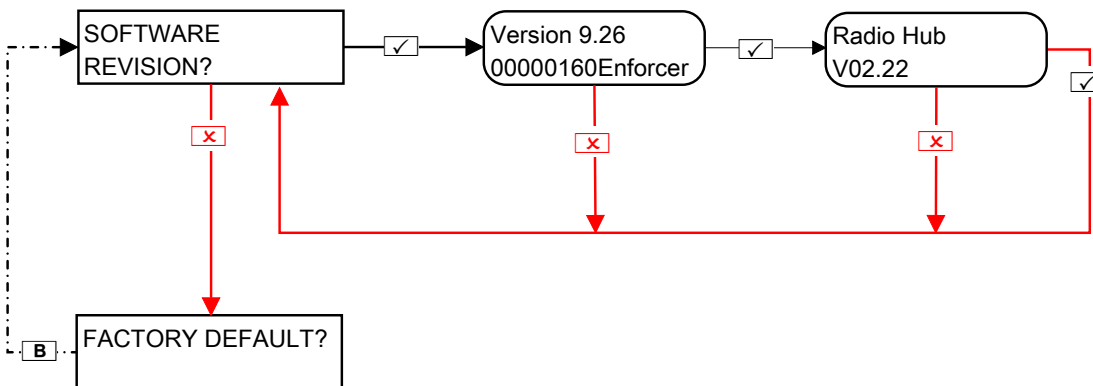
21 Engineers Menu: Options Up/Downloading*



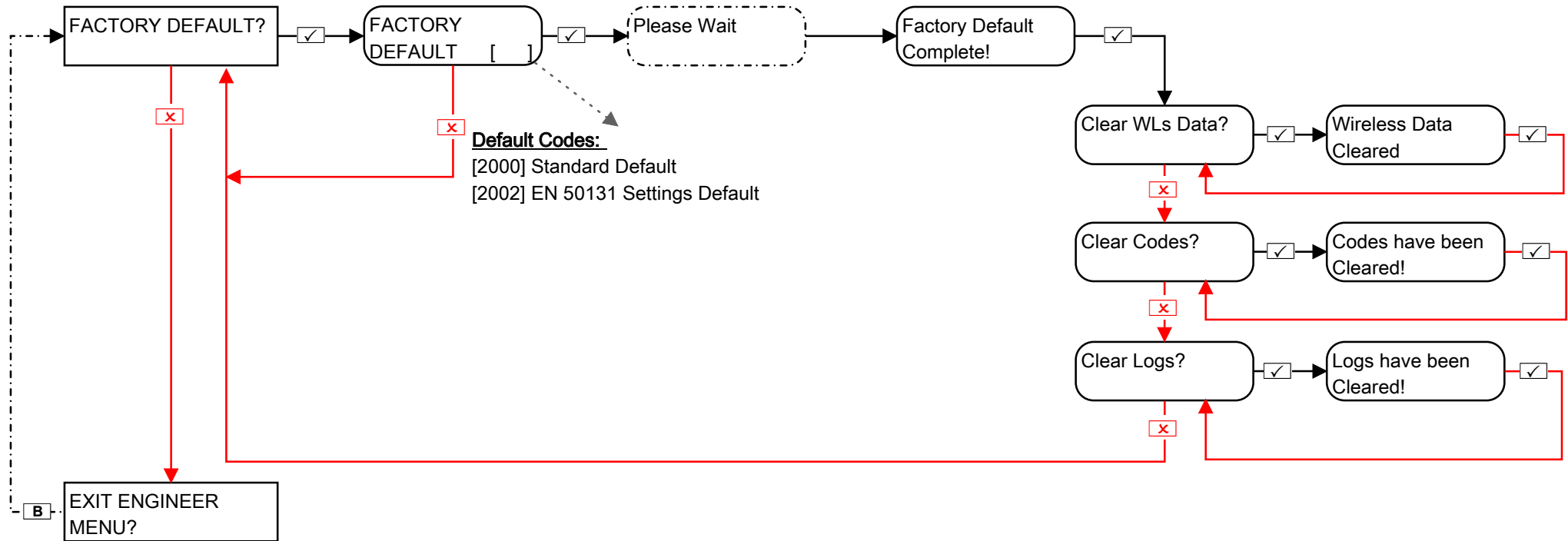
22 Engineers Menu: PC Connect Menu



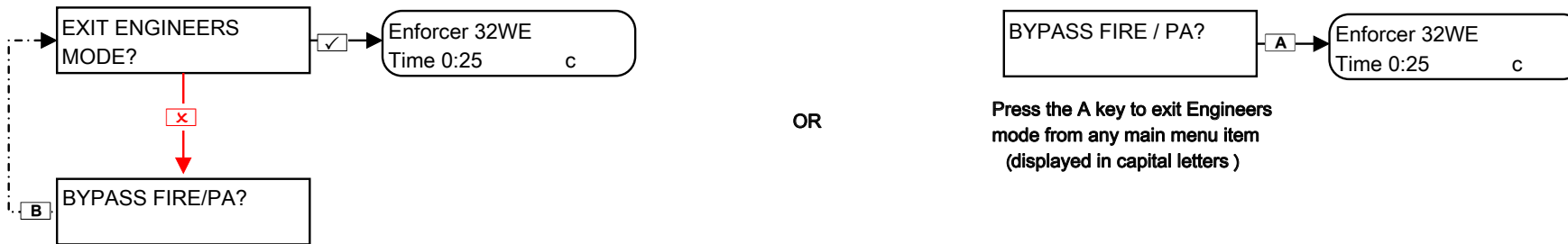
23 Engineer Menu: Software Revision



24 Engineers Menu: Factory Default



25 Engineers Menu: Exit Engineers Menu



C: Stand Alone Keypad Menu

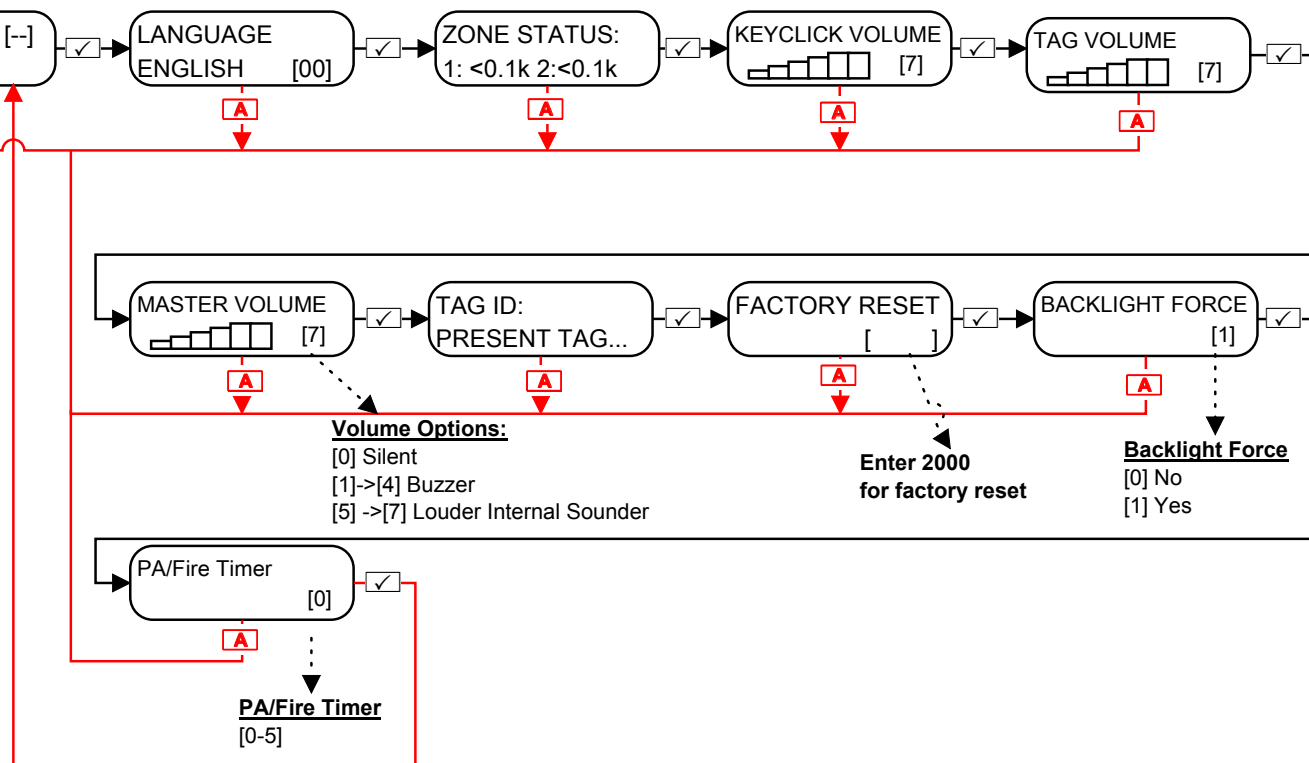
Press and Hold **[D]** key for 5 seconds

KEYPAD CODE []
Press and hold **[D]** key

Enforcer 32WE
Time 02:53 c

Enter 00

NOTE: This menu is dedicated to the keypad itself.
This menu is mostly used for the following features: Keypad Address, Keyclick Volume, and Backlight Force.
NOTE: The keypad on the Enforcer must be always programmed to '00'



D: Appendix 1: Alarm Events

Description	SIA 3 Code	Contact ID Code	Event Types For CID ✓ = Enabled	Event Types for SMS * = Disabled
EVENT TYPES 1 = Arm				
Final Arm	CL	3401	✓	*
System Auto Armed	CA	3403	✓	*
System Rearm	CP	3463	✓	*
EVENT TYPES 2 = Auto Arm/Disarm				
Forced Arm	CF	3401	*	*
System Auto Disarmed	OA	1403	*	*
Auto Arm cancelled by user	CE	3405	*	*
EVENT TYPES 3 = Special Disarm				
Special Disarm	OP	1401	*	*
Access Exit Request	DX	1425	*	*
EVENT TYPES 4 = Arm Error				
Arm Fail	CI	1454	*	*
EVENT TYPES 5 = Alarms				
Fire Input Active	FA	1110	✓	*
Burglary Alarm	BA	1130	✓	*
Perimeter Alarm		1131	✓	*
Interior Alarm	BA	1132	✓	*
Flood Active	WA	1154	✓	*
24h Alarm	BA	1133	✓	*
Entry Delay Alarm	BA	1134	✓	*
Tamper Alarm	TA	1137	✓	*
Expander Device Tamper	TA	1137	✓	*
Case Tamper	TA	1137	✓	*
Tamper on Sensor	TA	1144	✓	*
Gas Alarm	GA	1151	✓	*
Keybox Alarm		1250	✓	*
Bell Tamper	TA	1321	✓	*
Radio Jamming	XQ	1344	✓	*
Radio supervision failure	UY	1381	✓	*
Radio low battery	XT	1384	✓	*
No Input Activity - sent	NA	1680	✓	*
EVENT TYPES 6 = Alarms send only once for one arm period				
(These event types is suggested to be used with the SMS messages. We do not recommend to enable event type 5 and 6 in the same time. One or another must be used to avoid double sending events)				
Medical Alarm Send Once	MA	1100	*	✓
Fire Alarm Send Once	FA	1110	*	✓
PA Alarm Send Once	PA	1120	*	✓
Silent PA Alarm send Once	HA	1122	*	✓
Burglary Alarm Send Once	BA	1130	*	✓
Perimeter Alarm Send Once		1131	*	✓
Interior Alarm Send Once	BA	1132	*	✓
24h Alarm Send Once	BA	1133	*	✓
Entry Delay Alarm Send Once	BA	1134	*	✓
Tamper Alarm Send Once	TA	1137	*	✓
Gas Alarm Send Once	GA	1151	*	✓
Keybox Alarm Send Once		1250	*	✓
EVENT TYPES 7 = Alarms Silenced				
Alarm Silenced	OR	1406	*	*
EVENT TYPES 8 = Confirmed Alarm				
Confirmed Output	BV	1139	*	*
EVENT TYPES 9 = PSTN / GSM Line Fault Restore				
CCTV Line fail (Line fail input)	LT	1351	✓	*

D : Appendix 1: Alarm Events (Continued)

CCTV Line OK (Line fail input)	LR	3351	✓		✕
Telecom Line OK (modem)	LR	3351	✓		✕
EVENT TYPES 10 = Batt/Bus/Mains/Line Faults					
RS 485 Fault	1A	1300	✓		✓
Low Volts	AT	1302	✓		✓
Battery Critical	YT	1302	✓		✓
Battery Load Fail	YT	1309	✓		✓
Battery Missing	YT	1311	✓		✓
Battery Restore	YR	3311	✓		✓
Modem Failed		1330	✓		✓
Expansion Device Fail	ET	1333	✓		✓
Expansion Device Restored	ER	3333	✓		✓
Telecom Line Fault (modem)		1350	✓		✓
STU comms failure on STU input indication.	LT	1351	✓		✓
Telecom line fault (modem)	UB	1572	✓		✓
EVENT TYPES 11 = System Reset/Logs/Time					
System Restart		1305	✓		✕
Reset To Factory Default		1305	✓		✕
Deleted Code	JX	1306	✓		✕
Changed Code	JV	1306	✓		✕
Site Changed	YG	1306	✓		✕
Code Added	JV	1306	✓		✕
Engineer reset needed		1313	✓		✕
Engineer Reset	RN	3313	✓		✕
Logs Cleared		1621	✓		✕
Logs nearly full		1623	✓		✕
Clock Set To	JT	1625	✓		✕
PC - Clock set to	JT	1625	✓		✕
EVENT TYPES 12 = Disarm					
Disarm System	OP	1401	✓		✕
EVENT TYPES 13 = Engineer Access					
Engineer Access	LB	1627	✓		✕
Engineer Exit	LX	1628	✓		✕
EVENT TYPES 14 = Door Access Alarm					
Door Left Open	DL	1426	✓		✕
Door Forced	DF		✓		✕
EVENT TYPES 16 = Wrong Tag Used					
Invalid Tag	JA	1421	✓		✕
EVENT TYPES 17 = Special log input switcher opened					
Input Special Log Switcher Input Opened	UA	1146	✕		✕
EVENT TYPES 18 = Special log input switcher closed					
Input Special Log Switcher Input Closed	UR	3146	✕		✕
EVENT TYPES 19 = Special log input opened					
Input Special Log Opened	UA	1146	✕		✕
EVENT TYPES 20 = Special log input closed					
Input Special Log Closed	UR	3146	✕		✕
EVENT TYPES 21 = Sub Area Arm / Shunt Opened					
Sub Area Armed	CG	3402	✓		✕
Sub Area Input Armed	CG	3402	✓		✕
Shunt Opened		3402	✓		✕
EVENT TYPES 22 = Sub Area Disarm / Shunt Closed					
Sub Area Disarmed	OG	1402	✓		✕
Sub Area Silenced	OG	1402	✓		✕

D: Appendix 1: Alarm Events (Continued)

Sub Area Input Disarmed	OG	1402	✓		x
Sub Area Input Silenced	OG	1402	✓		x
Shunt Closed		1402	✓		x
EVENT TYPES 23 = Sub Area Alarm					
Sub Area Alarm	BA	1130	✓		x
EVENT TYPES 24 = Walk Test					
Input Walk Tested		1607	x		x
EVENT TYPES 25 = Alarm / Faults Restores					
Burglary Restore	BH	3130	✓		x
Perimeter Restore		3131	✓		x
Interior Alarm Restore	BH	3132	✓		x
24h Alarm Restore	BH	3133	✓		x
Entry Delay Alarm Restore	BH	3134	✓		x
Tamper Restore	TH	3137	✓		x
Case Tamper Restore	TR	3137	✓		x
Tamper On Sensor Restore	TH	3144	✓		x
Gas Restore	GH	3151	✓		x
Keybox Restore		3250	✓		x
Fuse fail restore	IR	3300	✓		x
Bell Tamper Restore	YH	3321	✓		x
Radio Jamming restore	XH	3344	✓		x
Radio Supervision restore.	UJ	3381	✓		x
Radio low battery restore	XR	3384	✓		x
EVENT TYPES 27 = Mains Fault/Restore					
Mains Fail Alarm	AT	1301	✓		✓
Mains Fail Alarm Restore	AR	3301	✓		✓
EVENT TYPES 28 = PA / Fire / Duress / Code Guessing alarm					
Fire Alarm	FA	1110	✓		✓
Fire Restore	FH	3110	✓		✓
2 key PA	PA	1120	✓		✓
2 key PA restore	PR	3120	✓		✓
PA Alarm	PA	1120	✓		✓
PA Restore	PH	3120	✓		✓
Duress Code	HA	1121	✓		✓
Silent PA Alarm Input	HA	1122	✓		✓
Silent PA Alarm Input Restore	HH	3122	✓		✓
Wrong Code Entry	JA	1461	✓		✓
EVENT TYPES 29 = Medical Alarm / Restore					
Medical Alarm	MA	1100	x		x
Medical Alarm Restore	MH	3100	x		x
EVENT TYPES 30 = Input Bypass					
Input Force Armed		1570	x		x
Input Bypassed at Rearm	BB	1570	x		x
Input Bypassed	BB	1570	x		x
Fire Input Bypassed	FB	1571	x		x
24h Input Bypassed	BB	1572	x		x
EVENT TYPES 31 = Open after alarm					
Stopped Arming	OP	1406	x		x
Abort		1406	x		x
PC dialled the panel		1412	x		x

NOTE: Avoid enabling event types 5 and 6 together as this will cause double reporting.

Event type 6: The events in this event type is sent only once in one arming period and this is why it is recommended that this type is used for SMS reporting.

Your panel is suitable for use in installations designed to meet the European requirements of Security Grade 2, Environmental Class 2. When all parts are working normally, this equipment in combination with the modem (PSTN or GSM) and suitable ARC equipment will meet the requirements of Alarm Transmission System 2: ATS2 BS EN50131-1:2006+A1:2009. This is classified as Grade 2 Option B (from EN 50131-1) as per the table:

External arm/disarm readers meet the requirements of environmental class 4.

Notification Equipment	Grade 2 / Options			
	A	B	C	D
Remotely powered audible WD (siren)	2	Optional	Optional	Optional
Self-powered audible WD	Optional	1	Optional	Optional
Main ATS	ATS 2	ATS 2	ATS 2	ATS 3
Additional ATS	Optional	Optional	ATS 1	Optional

All Wireless devices comply with the following EU requirements:

ATS = Alarm Transmission System. WD = Warning Device.

EMC Directive	2004/108/EC
Low Voltage Directive	2006/95/EC
R&TTE Directive	1999/5/EC

Only the following are certified:-

Enforcer 32-WE with input/output board

KX10DP-WE	MC1-WE	KF4-WE	DIGI-GSM
KX12DQ-WE	MC2-WE	DELTABELL-WE	DIGI-1200

And meet the following standards where relevant:

EN 61000-6-3:2007	EMC. Generic emission standard. Residential, commercial and light industry
EN 50131-1:2006	Alarm systems - Intrusion and hold up systems
EN 50130-4:1996+A1+A2	Immunity requirements for components of fire, intruder and social alarm systems
EN 60950-1:2006+A12:2011	Information technology equipment. Safety. General requirements
EN 50131-5-3:2005+A1:2008	Grade 2. Interconnections for equipment using radio frequency techniques
ETSI EN 301489-3:2000	EMC. Radio equipment. Part 3: Short range devices (SRD) 9kHz to 40 GHz
ETSI EN 300 220	EMC. Receiver Class 1, Environmental Category 1
CEPT/ERC	Recommendation 70-03 Annex 1

Compliant operation is only guaranteed when installed and operated according to the relevant installation and user manuals.

Access Levels

Level 1: Access by any person; for example the general public.

Level 2: User access by an operator; for example customers (systems users).

Level 3: User access by an engineer; for example alarm company personnel.

Level 4: User access by the manufacturer of the equipment.

Please note: Technical functions (e.g. gas, fire and flooding) are not security graded and fall outside the scope of EN50131-1 and EN50131-3. Compliance labelling should be removed or adjusted if non-compliant configurations are used.

[illegible]



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