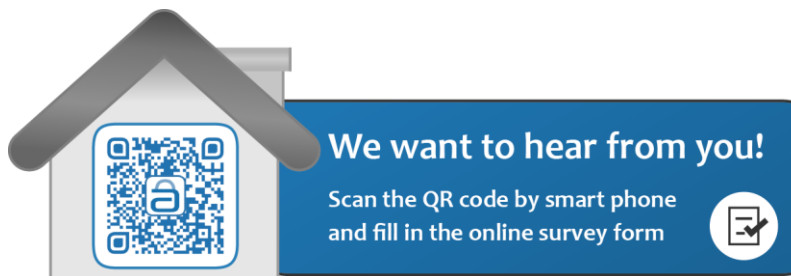




*Security
&
Home Automation System*



***QUICK USER &
INSTALLER MANUAL***



(REVISION 2.0)

ARM AND DISARM SYSTEM

Default Master Pin 111 111

QUICK ARM	ARM with PIN	DISARM With PIN
<p>Auto Home</p> <ul style="list-style-type: none"> Press & hold button [1] for 2 seconds <p>If enable Partition Option</p> <ul style="list-style-type: none"> Press [1 or 2] + # <p>Press 1 for partition 1 Press 2 for partition 2</p>	<ul style="list-style-type: none"> Press [Master PIN] + [#] <p>By default, keypad will arm partition 1 only</p> <p>If enable Partition Option</p>	<ul style="list-style-type: none"> Press [Master PIN] + [#] <p>If enable Partition Option</p> <ul style="list-style-type: none"> Press [Master PIN]+ [#] +[1 or 2] +[#] <p>Press 1 for partition 1 Press 2 for partition 2</p>
<p>Day</p> <ul style="list-style-type: none"> Press & hold button [2] for 2 seconds <p>If enable Partition Option</p> <ul style="list-style-type: none"> Press [1 or 2] + # <p>Press 1 for partition 1 Press 2 for partition 2</p>	<ul style="list-style-type: none"> Press [Master PIN] +[#]+[1 or 2]+[#] <p>Press 1 for partition 1 Press 2 for partition 2</p>	
<p>Night</p> <ul style="list-style-type: none"> Press & hold button [3] for 2 seconds <p>If enable Partition Option</p> <ul style="list-style-type: none"> Press [1 or 2] + # <p>Press 1 for partition 1 Press 2 for partition 2</p>		
<p>Force</p> <ul style="list-style-type: none"> Press & hold button [4] for 2 seconds <p>If enable Partition Option</p> <ul style="list-style-type: none"> Press [1 or 2] + # <p>Press 1 for partition 1 Press 2 for partition 2</p>		
<p>REMARKS</p> <ul style="list-style-type: none"> - Default Master PIN = 111111 - The ARMED LED (RED) is ON if the system is armed. 		

ENABLE PARTITION OPTION

Steps to Enable Partition Option
<ul style="list-style-type: none"> Press [▼] for 2 sec + [▼ for PART] + [Press 1 to toggle] + [#]
<p>REMARKS</p> <ul style="list-style-type: none"> - By default, partition option is disabled

AUTOMATION CONTROL

COMMAND
<ul style="list-style-type: none"> Press & hold button [5] for 2 seconds Press the relevant module number (01 to 16) to toggle output Press * to exit automation menu
<p>REMARKS</p> <ul style="list-style-type: none"> - The keypad will beep twice upon confirmation or else, an error tone will sound. - To on/off all output: [00] is pressed to toggle all output. System priority to turn OFF all output if there is any output is ON.

CLEAR ALARM MEMORY

COMMAND	INFORMATION
<ul style="list-style-type: none"> Press & hold button [6] for 2 seconds 	<ul style="list-style-type: none"> Clear Zones, Strobe Light & Ext Comm. Error

DOOR CHIME

COMMAND
<ul style="list-style-type: none"> Hold [7] for 2 sec + [Zone number 01 to 16] + [#]
<p>REMARKS</p> <p>-When door chime is activated, the keypad will sound each time the designed zone is triggered</p>

SYSTEM SERVICE

COMMAND	INFORMATION
<ul style="list-style-type: none"> Press & hold button [8] for 2 seconds <div style="border: 1px solid black; padding: 10px; width: fit-content; margin: 10px auto;"> <p style="text-align: center;">SERVICE</p> <p style="text-align: center;">1 2 3 4 5</p> </div> <ul style="list-style-type: none"> Press the corresponding number to check the trouble Press [*] to Exit 	<ul style="list-style-type: none"> Zone 1 (AC Power Loss) Zone 2 (Low Battery) Zone 3 (External Communication Failure) Zone 4 (Telephone Line Loss) Zone 5 (Tamper Zone)
<p>REMARKS</p> <p>- Trouble LED (RED) is ON when there is system trouble</p> <p>- Trouble LED is OFF when there is no system trouble</p>	

BYPASS ZONE AND RESTORED

BYPASS	ZONE RESTORE
<ul style="list-style-type: none"> Press & hold button [9] for 2 seconds Press [Zone Number] Press [#] to save and exit <p>Press [01] to [16] to select zone 1 to 16</p> <p>Key in 2 digit</p>	<ul style="list-style-type: none"> Press & hold button [9] for 2 seconds Press [Zone Number] Press [#] to save and exit <p>Press [01] to [16] to select zone 1 to 16</p> <p>Key in 2 digit</p>
<p>REMARKS</p> <p>- Press [01] to [16] to select zone 1 to 16 again in this menu in order to have quick BYPASS and ZONE RESTORE</p> <p>- In the normal mode, bypass zone will blinking to show that zone is already bypass.</p> <p>- Bypass zones are cleared after system is disarmed.</p>	

KEY LOCK

COMMAND
<ul style="list-style-type: none"> [COM] + [1] + [#]
<p>REMARKS</p> <p>-Key lock is design to avoid miss control by guest or kids.</p> <p>- The “Key lock” icon on LCD will turn ON to indicate key lock is enabled and toggle based</p>
<p>PRECAUTION</p> <p>-If user key in wrong password for 10x,the keypad will automatically lock by itself for 3 minutes</p>

KEYPAD SETTING

Keypad Setting	Command
Partition Option	Press [▼] for 2 sec + [▼ for PART] + [Press 1 to toggle] + [#]
ON/OFF Keypad backlight	Press [▼] for 2 sec + [▼ for LIGHT] + [Press 1 to toggle] + [#]
ON/OFF keypad Arm tone	Press [▼] for 2 sec + [▼ for A TONE] + [Press 1 to toggle] + [#]
ON/OFF entry & exit delay buzzer tone	Press [▼] for 2 sec + [▼ for E TONE] + [Press 1 to toggle] + [#]
ON/OFF key press tone	Press [▼] for 2 sec + [▼ for K TONE] + [Press 1 to toggle] + [#]
Reset default setting	Press [▼] for 2 sec + [▼ for RESET] + [#] + [Yes] + [#]

TESTING THE SYSTEM

TESTING	Command
Walk Test	Enter : Press and hold [▲] for 2sec + [▼ for WALK] + [#] Exit Walk Test : Press [#]
Bell Test	Press and Hold [▲] for 2sec + [▼ for BELL] + [#]
CMS Test	Press and Hold [▲] for 2 sec + [▼ for CMS] + [#]
Battery Test	Press and Hold [▲] for 2sec + [▼ for BATT] + [#]
Identification Test	Press and Hold [▲] for 2 sec + [▼ for IDEN] + [#] Remark <i>Please refer to the identification test table</i>

IDENTIFICATION TEST TABLE

[▲] / [▼] to scroll System Identification and IO Identification			
System Identification		IO Identification	
Zone number	Description	Zone number	Description
1	Keypad 1	1	Output 1
2	Keypad 2	2	Output 2
3	Keypad 3	3	Output 3
4	Keypad 4	4	Output 4
5	Keypad 5	5	Output 5
6	Keypad 6	6	Output 6
7	Keypad 7	7	Output 7
8	Keypad 8	8	Output 8
9	Voice	9	Output 9
10	AIM	10	Output 10
11	WSM	11	Output 11
12	Zone Expander 1	12	Output 12
13	IO Expander 1	13	Output 13
14	IO Expander 2	14	Output 14
15	-	15	Output 15
16	-	16	Output 16

IDENTIFICATION TEST TABLE

USER PROGRAMMING SUMMARY*Default Master Pin 111 111*

Description	Command
Enter User Programming Mode	[Master Pin] + [COM] + [#]
Exit User Programming Mode	Press and Hold [*] for 2 sec
Edit Master Pin	[▼ for Pin] + [#] + [▼ for Master] + [#] + [New Pin] + [#] + [Re-enter Pin] + [#]
*Edit User 1 - 7 Pin	[▼ for Pin] + [#] + [▼ for User 1 - 7] + [#] + [New Pin] + [#] + [Re-enter Pin] + [#] + [Access Level] + [#] + [Partition] + [#]
*Edit Guest Pin	[▼ for Pin] + [#] + [▼ for Guest] + [#] + [New Pin] + [#] + [Re-enter Pin] + [#] + [Access Level] + [#] + [Partition] + [#] + [Valid Day] + [#]
<p>* Remark [Access Level] – Refer to create/edit User 1 – 7 Pin, Guest/Duress Pin Authority for user code can be set according to details below: Key [1] – Arm Enable (1)/ Disable (0), Key [2] – Disarm Enable (1)/ Disable (0) Key [3] – Bypass Enable (1)/ Disable (0), Key [4] – Open/ Close Report (1)/ Disable (0)</p>	
Edit Duress Pin	[▼ for Pin] + [#] + [▼ for Duress] + [#] + [4 digit New Pin] + [#] + [Re-enter NEW PIN] + [#]
Program Clock	[▼ for Timer] + [#] + [▼ for Clock] + [#] + [Set Time] + [#]
**Program Arm Timer	[▼ for Timer] + [#] + [▼ for Arm] + [#] + [Set Time] + [#] + [Select Partition] + [#]
**Program Disarm Timer	[▼ for Timer] + [#] + [▼ for Disarm] + [#] + [Set Time] + [#] + [Select Partition] + [#]
<p>**Remark [Select Partition] – Refer to Program Arm/Disarm Timer User need to enable partition option to select partition. The steps as below: Press [▼] for 2 sec + [▼ for Partition Opt] + [Press 1 to toggle] + [#]</p>	
Delete Arm Timer	[▼ for Timer] + [#] + [▼ for Arm] + [#] + [0] + [#]
Delete Disarm Timer	[▼ for Timer] + [#] + [▼ for Disarm] + [#] + [0] + [#]
Program ON IO Timer	[▼ for Timer] + [#] + [▼ for IO On 1 - 4] + [#] + [Set Time] + [#] + [Output] + [#]
Program OFF IO Timer	[▼ for Timer] + [#] + [▼ for IO Off 1 - 4] + [#] + [Set Time] + [#] + [Output] + [#]
Delete ON IO Timer	[▼ for Timer] + [#] + [▼ for IO On 1 - 4] + [#] + [0] + [#]
Delete OFF IO Timer	[▼ for Timer] + [#] + [▼ for IO Off 1 - 4] + [#] + [0] + [#]
Program Personal Telephone Number	[▼ for Phone] + [#] + [▼ for Phone 1 - 4] + [#] + [Telephone Number] + [#]
Delete Personal Telephone Number	[▼ for Phone] + [#] + [▼ for Phone 1 - 4] + [#] + [0] + [#]
Installer Access Setting	[▼ for Extra] + [#] + [▼ for Ins Ac] + [#] + [Press 1 to toggle] + [#]
Phone Line Loss Detection Setting	[▼ for Extra] + [#] + [▼ for Ph Det] + [#] + [Press 1 to toggle] + [#]
PC Communication Setting	[▼ for Extra] + [#] + [▼ for PC Com] + [#] + [Press 1 to toggle] + [#]

INSTALLER PROGRAMMING SHEET

Default Installer Pin 12345

Enter Installer programming mode: [INSTALLER CODE] + [COM] + [#]

Exit Installer programming mode: Press and hold [*] for 2 seconds

Back to Installer programming main page: [*]

Symbol:

● Enable

○ Disable

x Unused

PC	Display	Item	Description	Zone Display (Default Setting)															
				01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16
Zone Type Setting																			
01	DELAY	Delay Zone	Zone number ON mean the zone is assigned as Delay Zone	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
02	INSTAN	Instant Zone	Zone number ON mean the zone is assigned as Instant Zone	○	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
03	INTER	Interior Zone	Zone number ON mean the zone is assigned as Interior Zone	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
04	24 HR	24 Hour Zone	Zone number ON mean the zone is assigned as 24 Hour Zone	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
05	LIGHT	Light Zone	Zone number ON mean the zone is assigned as Light Zone	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
06	SILENT	Silent Zone	Zone number ON mean the zone is assigned as silent Zone	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
Remark : Based on Zone Type Setting's Table (Refer above table) -Press the number to toggle the setting																			
Alarm Delay Setting																			
07	ENTRY1	Partition 1 Entry Delay Timer	From 0 to 200 seconds	030#															
08	ENTRY2	Partition 2 Entry Delay Timer	From 0 to 200 seconds	000#															
09	EXIT1	Partition 1 Exit Delay Timer	From 0 to 200 seconds	060#															
10	EXIT2	Partition 2 Exit Delay Timer	From 0 to 200 seconds	000#															
11	BELL	Bell Audible Time	From 1 to 30 minutes, 0 = continuous	005#															
Zone Partition																			
14	ZN NUM	Individual Zone Partition	Key in zone number	(01 - 16 #)															
	Part	Partition	Set 1 for partition 1. 2 for partition 2.	1#															
Zone Sensitivity Setting																			
16	ZN NUM	Individual Zone Sensitivity	Key in zone number	(01 - 16 #)															
	ZN SEN	Sensitivity level	From 1 to 100. Sensitivity level x 10ms.	006#															
17	P GRP	Zone Pulse Count Group	Zone number ON mean the zone is programmed to the zone pulse count group	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
18	P CTR	Zone Pulse Counter	From 1 to 255 times. If counter exceed, zone pulse count group will trigger	002#															
19	P TMR	Zone Pulse Counter Reset Timer	From 1 to 255 seconds. Zone pulse counter reset timer	090#															

Reporting Setting																	
30	TEL CT	Telephony Control	Zone 1 ON mean enable DTMF Dialling ELSE Pulse Dialling Zone 2 ON mean enable Double Call	●	○	x	x	x	x	x	x	x	x	x	x	x	x
31	RCV TY	Receiver Type	Zone 1 ON mean Receiver 1 is Personal Reporting else CMS reporting Zone 2 ON mean Receiver 2 is Personal Reporting else CMS reporting Zone 3 ON mean Receiver 3 is Personal Reporting else CMS reporting Zone 4 ON mean Receiver 4 is Personal Reporting else CMS reporting	●	●	●	●	x	x	x	x	x	x	x	x	x	x
32	RCV OP	Receiver Options	Zone 1 ON mean Receiver 1 is Permanent else Backup Zone 2 ON mean Receiver 2 is Permanent else Backup Zone 3 ON mean Receiver 3 is Permanent else Backup Zone 4 ON mean Receiver 4 is Permanent else Backup	●	○	○	○	x	x	x	x	x	x	x	x	x	x
33	REPORT	System Status Report	Zone 1 ON mean enable Keypad Alarm Reporting Zone 2 ON mean enable System Status (Combination of function below) A: System Status B: Open Report C: Close Report D: System Reset Report E: CMS Periodic Report (*Proceed to 39 to set CMS Periodic Test) G: Alarm Restore Reporting H: Bypass & Bypass Restore Reporting	●	○	x	x	x	x	x	x	x	x	x	x	x	x
34	ZN RPT	Zone Alarm Reporting	Zone number ON mean enable Alarm Reporting	●	●	●	●	●	●	●	●	●	●	●	●	●	●

Remark : Based on Reporting Setting's Table (Refer above table)- Press the number to toggle the setting

Communication Options				
35	ACC 1	CMS Account Number 1	4 digit CMS account number 1	0000#
36	ACC 2	CMS Account Number 2	4 digit CMS account number 2	0000#
37	ACC 3	CMS Account Number 3	4 digit CMS account number 3	0000#
38	ACC 4	CMS Account Number 4	4 digit CMS account number 4	0000#
39	PERIOD	CMS Periodic Test Report	From 0 to 24 hours	000#
40	RING	Ring Number	From 1 to 99 rings	010#
41	DL ATP	Dial Attempts	From 0 to 15 times	005#
42	DELAY	Delay Before Dial Timer	From 0 to 150	000#
43	REDIAL	Redial Timer	From 0 to 10	000#

<p>Remark : Based on Communication Option's Table (Refer previous table, page 6) - Enter [0000] # to delete/clear CMS account number Or -Press [31] to enter command and press [1] # to set receiver type as personal type to disable CMS account number</p>				
Zone Circuit Type Setting				
50	EOL	End of Line	Zone number ON means the zone is EOL type else NO/NC type	● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●
51	NO NC	Normally Open/Normally Close	Zone number ON means the zone is NO type else NC.	○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○
<p>Remark : Based on Zone Circuit Type Setting's Table (Refer above table) - Press the number to toggle the setting</p>				
Keyswitch and Tamper Setting				
52	KEYSET	Keyswitch setting	Zone 1 ON mean enable keyswitch Zone 2 ON mean the keyswitch is Momentary else Latch Remote Control Zone 3 ON mean keyswitch is NC type else NO type Zone 4 ON mean enable keyswitch Siren toot else Strobe Light blink (Toot once/Blink 3 sec: ARM; Toot twice/Blink 8 sec: DISARM)	● ● ○ ● X X X X X X X X X X X X X X
53	TAMPER	Tamper Setting	Zone 1 ON mean enable Tamper Zone 2 ON mean Tamper activated 24 hours else activate during Arm Zone 3 ON mean Tamper is NC type else NO	● ● ○ X X X X X X X X X X X X X X
<p>Remark : Keyswitch and Tamper Setting'sTable (Refer above table) - Press the number to toggle the setting</p>				
Programmable Output Setting				
54	OC1	OC1 setting	Zone 1 ON mean enable OC1 Zone 2 ON mean enable OC1 with latch high output Zone 3 ON mean enable OC1 with latch low output Zone 4 ON mean enable OC1 with momentary high output Zone 5 ON mean enable OC1 with momentary low output Zone 6 ON mean OC1 activated in alarm mode else arm & disarm mode (Zone 2 to zone 5 will toggle)	○ ○ ○ ○ ○ ○ X X X X X X X X X X X X X X ○ ○ ○ ○ ○ ○ X X X X X X X X X X X X X X ○ ○ ○ ○ ○ ○ X X X X X X X X X X X X X X ○ ○ ○ ○ ○ ○ X X X X X X X X X X X X X X ○ ○ ○ ○ ○ ○ X X X X X X X X X X X X X X ○ ○ ○ ○ ○ ○ X X X X X X X X X X X X X X ○ ○ ○ ○ ○ ○ X X X X X X X X X X X X X X
55	OC2	OC2 setting	Zone 1 ON mean enable OC2 Zone 2 ON mean enable OC2 with latch high output Zone 3 ON mean enable OC2 with latch low output Zone 4 ON mean enable OC2 with momentary high output Zone 5 ON mean enable OC2 with momentary low output Zone 6 ON mean OC2 activated in alarm mode else arm & disarm mode (Zone 2 to zone 5 will toggle)	○ ○ ○ ○ ○ ○ X X X X X X X X X X X X X X ○ ○ ○ ○ ○ ○ X X X X X X X X X X X X X X ○ ○ ○ ○ ○ ○ X X X X X X X X X X X X X X ○ ○ ○ ○ ○ ○ X X X X X X X X X X X X X X ○ ○ ○ ○ ○ ○ X X X X X X X X X X X X X X ○ ○ ○ ○ ○ ○ X X X X X X X X X X X X X X ○ ○ ○ ○ ○ ○ X X X X X X X X X X X X X X

56	OC3	OC3 setting	Zone 1 ON mean enable OC3 Zone 2 ON mean enable OC3 with latch high output Zone 3 ON mean enable OC3 with latch low output Zone 4 ON mean enable OC3 with momentary high output Zone 5 ON mean enable OC3 with momentary low output Zone 6 ON mean OC3 activated in alarm mode else arm & disarm mode (Zone 2 to zone 5 will toggle)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
57	OC4	OC4 setting	Zone 1 ON mean enable OC4 Zone 2 ON mean enable OC4 with latch high output Zone 3 ON mean enable OC4 with latch low output Zone 4 ON mean enable OC4 with momentary high output Zone 5 ON mean enable OC4 with momentary low output Zone 6 ON mean OC4 activated in alarm mode else arm & disarm mode (Zone 2 to zone 5 will toggle)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
Home Automation Setting																		
64	ET ZN1	Event Trigger Zone Group 1	Zone LED ON mean the zone is will turn on Event Trigger Output when violated	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
65	ET IO1	Event Trigger Output Group 1	Zone LED ON mean enable IO point	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
66	ET ZN2	Event Trigger Zone Group 2	Zone LED ON mean the zone is will turn on Event Trigger Output when violated	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
67	ET IO2	Event Trigger Output Group 2	Zone LED ON mean enable IO point	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Remark : Home Automation Setting's (Refer above table) - Press the corresponding number to select the output to be activated (Toggle based)																		
System Security																		
70	LOCK C	Keypad Lock Counter	From 1 to 255 times of password error before keypad lock	010#														
71	LOCK T	Keypad Lock Time	From 0 to 255 minutes	003#														
72	INS CD	Change installer code	5 digits installer code	12345#														



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