Digital Frontier

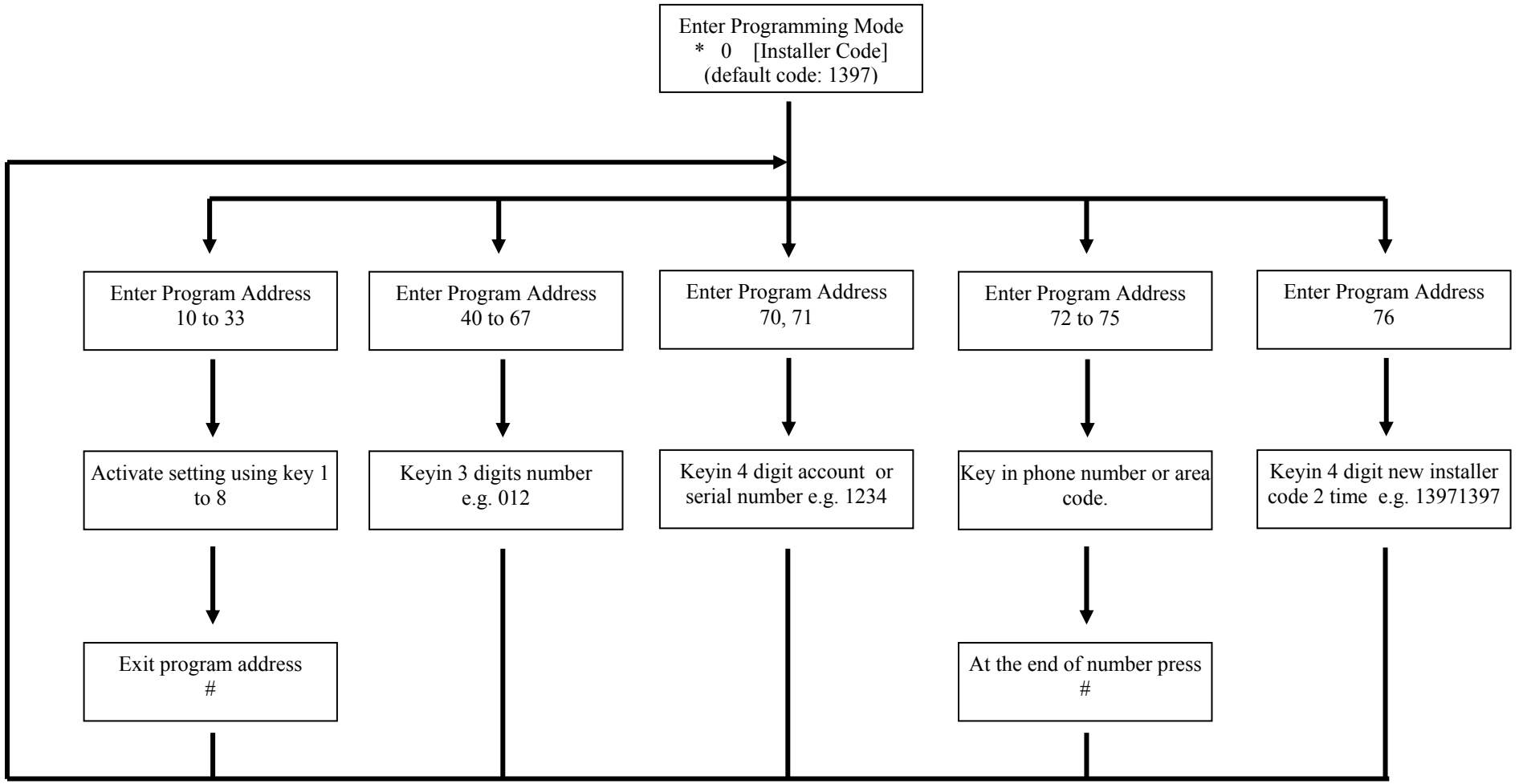
DFA5300V2

16 zones Voice Alarm System

Installer Manual

V2 rev 0

Programming Flow Chart Diagram



Programming Address Summary DFA5300 V2 16 zones

Add.	Description	Default Zone 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
10	**Entrance zone.** Zone led on mean the zone is assigned as this type of zone.	●○○○ ○○○○ ○○○○ ○○○○
11	**Internal Delay zone.** Zone led on mean the zone is assigned as this type of zone.	○●○○ ○○○○ ○○○○ ○○○○
12	**Internal zone.** Zone led on mean the zone is assigned as this type of zone.	○○○○ ○○○○ ○○○○ ○○○○
13	**Instant zone.** Zone led on mean the zone is assigned as this type of zone.	○○●● ●●●○ ●●●● ●●●●
14	**24 Hour zone.** Zone led on mean the zone is assigned as this type of zone.	○○○○ ○○○● ○○○○ ○○○○
15	**Fire zone.** Zone led on mean smoke detector is connected to this zone.	○○○○ ○○○○ ○○○○ ○○○○
16	**Silent zone.** Zone led on mean that the zone will not activate the siren when it is trigger. But it will still activate all telephone features.	○○○○ ○○○○ ○○○○ ○○○○
17	**Normally Open zone.** Zone led on mean normally open sensor is connected to this zone.	○○○○ ○○○○ ○○○○ ○○○○
18	**Zone respond.** On mean slow respond zone and off mean fast respond zone.	○○○○ ○○○○ ○○○○ ○○○○
19	**Intelligent zone group 1.** On mean zone is program to the intelligent zone group 1.	○○○○ ○○○○ ○○○○ ○○○○
20	**Intelligent zone group 2.** On mean zone is program to the intelligent zone group 2.	○○○○ ○○○○ ○○○○ ○○○○
21	**Zone Partition 1.** On mean zone is assign to partition1.	●●●● ●●●● ●●●● ●●●●
22	**Zone Partition 2.** On mean zone is assign to partition2.	○○○○ ○○○○ ○○○○ ○○○○
23	**Auto reset Zone.** On mean the zone will be restore after the bell time in [26].	●●●● ●●●● ●●●● ●●●●
24	**CMS report zone.** On mean zone trigger will report to CMS.	●●●● ●●●● ●●●● ●●●●
25	**Partition 1 user.** On mean user has access right to partition 1. (User 1 to 14 only)	●●●● ●●●● ●●●● ●●●●
26	**Partition 2 user.** On mean user has access right to partition 2. (User 1 to 14 only)	○○○○ ○○○○ ○○○○ ○○○○

Add.	Description	Default Zone 1 2 3 4 5 6 7 8
30	**CMS reporting.** Zone Led 1 on mean: Report Panic (activated keypad panic button). Zone Led 2 on mean: Report Duress (user #8 will become duress code). Zone Led 3 on mean: Report Arm/Disarm. Zone Led 4 on mean: Report AC Loss Zone Led 5 on mean: Report enter / exit programming mode. Zone Led 6 on mean: Report telco fault. Zone Led 7 on mean: Report Bypass. Zone Led 8 on mean: Report Battery low.	●●●● ●●●○
31	**Communicator Setting 1.** Zone Led 1 on mean: Enable personal reporting. Zone Led 2 on mean: Enable CMS reporting Zone Led 3 on mean: Enable progress tone monitoring on fix line. Zone Led 4 on mean: Enable Fix line. Zone Led 5 on mean: Enable GSM. (only available in GSM version) Zone Led 8 on mean: Enable battery low trouble warning on keypad.	●○○○ ○○○○

32	**Communicator Setting 2.** Zone Led 1 on mean: Enable AC loss personal reporting. Zone Led 5 on mean: Enable SMS reporting. 16 SMS report. Zone Led 2 on mean: Enable Battery low personal reporting. Zone Led 6 on mean: Enable 20 SMS reporting. Zone Led 3 on mean: Double ring answering Zone Led 7 on mean: Enable 30 SMS reporting. Zone Led 4 on mean: Enable double CMS reporting. (only available in GSM version)	●○○○ ○○○○
33	**System Option.** Zone Led 1 on mean: Keypad buzzer on during entry delay. Zone Led 5 on mean: Enable one key arming using H or A. Zone Led 2 on mean: Keypad buzzer on during exit delay. Zone Led 6 on mean: Enable keypad panic button P. Zone Led 3 on mean: Short beeping during delay. Zone Led 7 on mean: Enable RF remote control arming. Zone Led 4 on mean: DTMF dialing, else pulse dialing. Zone Led 8 on mean: Enable RF remote control querk.	●●●● ●●○●

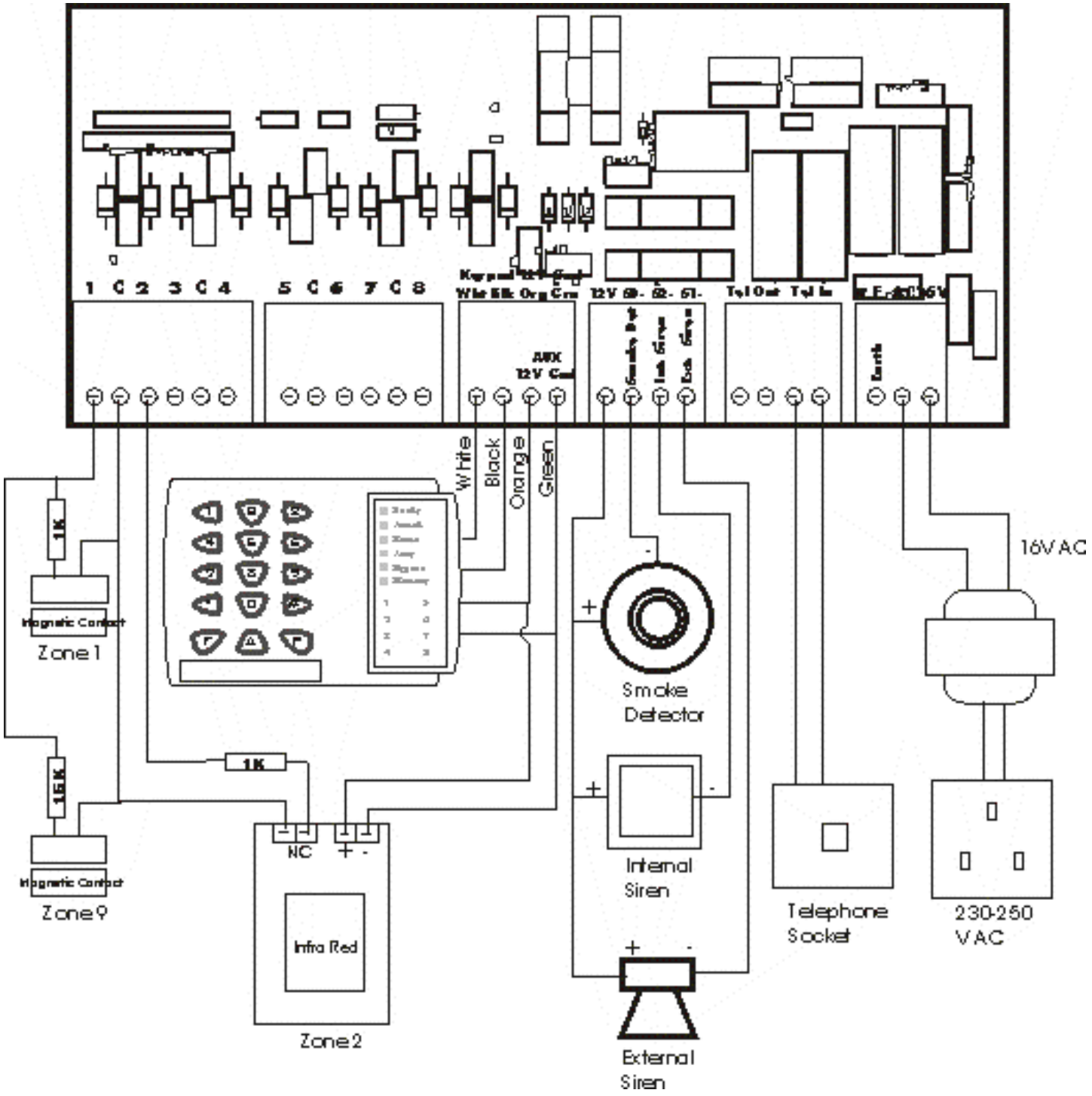
Number programming.

Add.	Description	Default Value
40	**Entry timer partition1.** From 0 to 255 sec.	040
41	**Entry timer partition2.** From 0 to 255 sec.	040
42	**Exit timer partition1.** From 0 to 255 sec.	120
43	**Exit timer partition2.** From 0 to 255 sec.	120
44	**Bell timer** for auto reset zone. 0 to 255 minute.	005
45	**Fast respond timer.** [0 to 255] * 1.6 ms.	008
46	**Slow respond timer.** [0 to 255] * 1.6 ms	015
47	**Intelligent zone counter 1.** 0 to 255 times. If counter exceed, intelligent zone group 1 trigger.	002
48	**Intelligent zone counter 2.** 0 to 255 times. If counter exceed, intelligent zone group 2 trigger.	003
49	**Intelligent zone reset timer 1.** 0 to 255 minutes. Intelligent zone group 1 counter reset timer.	010
50	**Intelligent zone reset timer 2.** 0 to 255 minutes. Intelligent zone group 2 counter reset timer.	030
51	**PGM1** (See PGM programming sheets)	008
52	**PGM2** (See PGM programming sheets)	009
53	**PGM3** (See PGM programming sheets)	000
54	**PGM4** (See PGM programming sheets)	000
55	**Keypad lock digit.** 0 to 255 times of password error before keypad lock. (Prevent password guessing on keypad).	012
56	**Keypad lock time.** 0 to 255 seconds keypad lock time.	060
57	**Communicator Dialing time.** 0 to 255 second. Specified the time to wait for the user answer during personal reporting.	040
58	**Communicator Idle time.** 0 to 255 sec. Specified the time to wait for a key press before auto hang-up during personal reporting.	040
59	**Communicator Dial loop.** Number of time to dial on each telephone number. (for both personal and CMS reporting).	010
60	**Answer ring.** Number ring to wait before answer call. 0 to 255 ring. (Feature available with voice card module only)	008
61	**Communicator Password Error auto-hang-up.** Number of error password digit is allowed to key in before communicator auto hang-up. (Prevent password guessing through phone).	012
62	**CMS Periodic Report.** 001 to 255 hour. (000 mean disable).	024
63	**Reserved.**	000
64	**Reserved.**	000
65	**Reserved.**	255
66	**Reserved.**	000

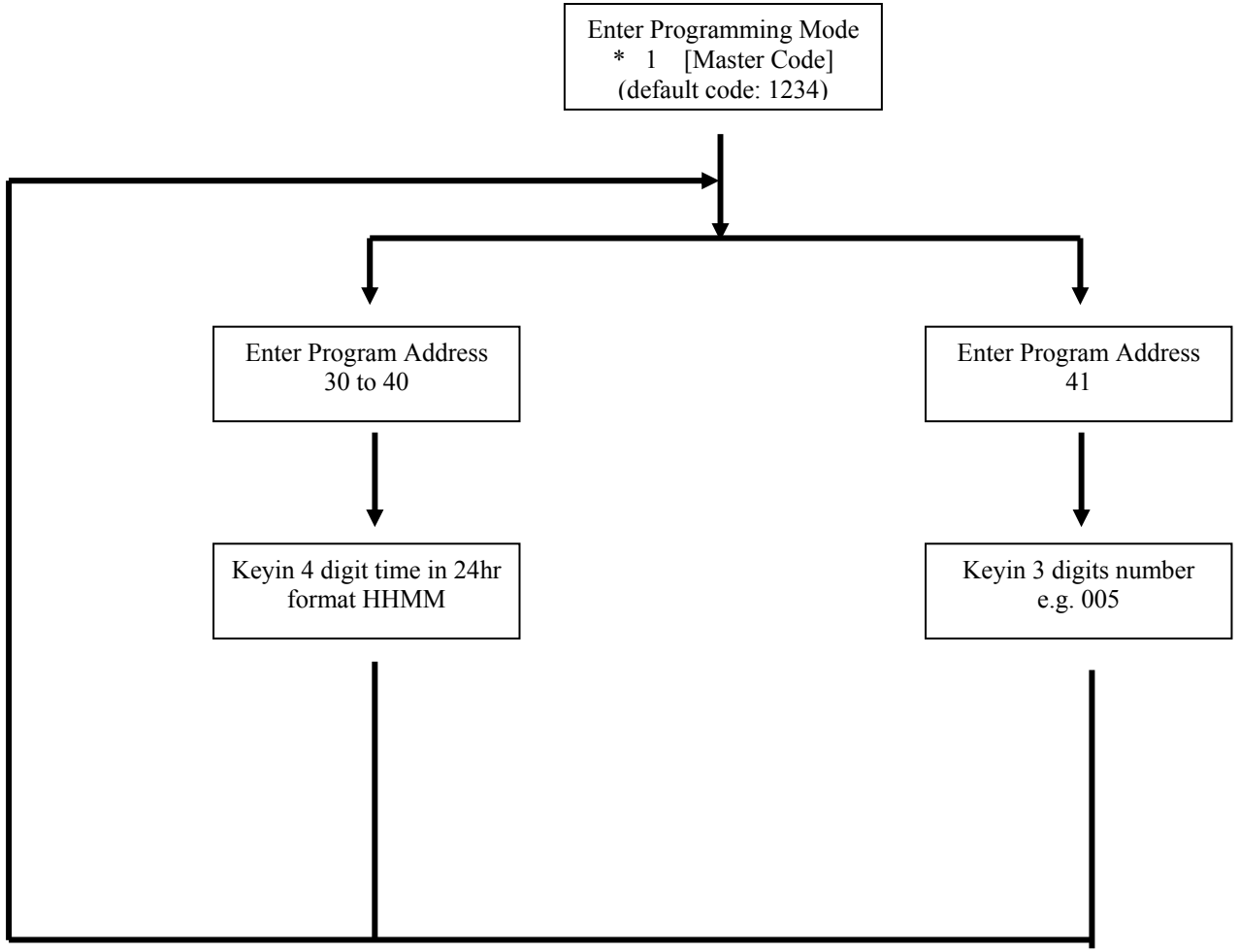
Other programming.		
70	**CMS Account number 1.** 4 digits Contact ID user code.	0000
71	**CMS Account number 2.** 4 digits Contact ID user code.	0000
72	**CMS Phone number 1.** Maximum 15 digits. P for pause 2 seconds. Ended phone number with #.	Nil
73	**CMS Phone number 2.** Maximum 15 digits. P for pause 2 seconds. Ended phone number with #.	Nil
74	**Area Code or Prefix.** Maximum 5 digits. P for pause 2 seconds. Ended phone number with #.	Nil
75	**Reserved.**	000
76	**Change Installer code.** The 4 digit installer code must be key in 2 times. If both installer codes are different, it will not be save.	1397
90	**Firmware version.** Display Firmware version.	
97	**Reset SIM card SMS.** Reset SIM card SMS to default. (only available in GSM version).	
98	**Reset user code.** Reset all user code.	
99	**Reset Panel.** Reset all user code and programming setting except installer code.	

PGM Definition for DFA5300 V2 16 zones

PGM Definition Value	
Value	Description
000-015	**Follow zone open. Enable 24hr without auto off feature.** E.g. 000 (follow zone 1), 001 (follow zone 2) etc. Suitable for indoor lighting that need to be auto on all time and turn off manually. E.g. Office with low natural light, turn on light or air condition automatically when PIR detect movement in the morning and manually off after office hour.
016-031	**Follow zone open. Enable 24hr with auto off feature (user programming address 41).** Suitable for indoor lighting that need to be auto on all time and with energy saving. E.g. Store room light.
032-047	**Follow zone open. Enable during night mode without auto off feature.** Suitable for outdoor lighting that need to be auto on during night mode and turn off manually. E.g. Shop with strong natural light, turn on automatically when PIR detect movement during night time and manually off after business hour.
048-063	**Follow zone. Enable during night mode with auto off feature (user programming address 41).** Suitable to act as sensor light for indoor and outdoor. E.g. Car porch light, Living hall light etc.
064	**Follow Timer1 (user programming address 37 & 38).**
065	**Follow Timer2 (user programming address 39 & 40).**
066	**Follow Timer1 and Timer2 (user programming address 37 to 40).**
067	**Follow Entry Exit time. Enable 24hr without auto off feature.** E.g. Office with low natural light that can turn on upon main door open and turn off automatically after system arm.
068	**Follow Entry Exit time. Enable 24hr with auto off feature.** E.g. Staircase light for office that can turn on automatically upon main door open for entry illumination and turn off automatically for energy saving. After office hour, upon system arm will turn on automatically for exit illumination and auto off after exit timer expired.
069	**Follow Entry Exit time. Enable during night mode without auto off feature.** E.g. Living hall light with strong natural light that is only necessary during night mode, can turn on automatically during entry and stay on until user turn off manually. Upon system arm during night time, will turn on until exit timer expired.
070	**Follow Entry Exit time. Enable during night mode with auto off feature.** E.g. Car porch light that turn on during entry and exit and turn off automatically.
71-86	**Follow zone trigger.** E.g. Perimeter sensor (silent mode zone) trigger warning light or buzzer.
87-102	**Follow zone trigger. Pulse signal.** E.g. DVR channel switching.
103	**Manual on/off only.**
104	***Activate when fully arm.** Cannot turn on/off manually.
105	***Activate when trouble condition exist.** Cannot turn on/off manually.
106	***Activate when zones trigger, auto off some time after system disarm (user programming address 41).** Cannot turn off manually while zone still trigger.
107	***Activate when zones trigger, off after disarm.** Cannot turn on/off manually.


1 C 2 3 C 4
5 C 6 7 C 8
AUX
12V C
12V
White
Black
Orange
Green
16VAC
1K
Magnetic Contact
Zone 1
15K
Magnetic Contact
Zone 9
1K
NC
+ -
Infra Red
Zone 2
Smoke
Detector
Internal
Siren
External
Siren
Telephone
Socket
230-250
VAC

User Programming



User Programming Address Summary DFA5300 V2 16 zones

User programming.		
Add.	Description	Default Value
30	**Current Time.** 24hr format HHMM, e.g for 11:30pm, keyin 2330	-
31	**Auto Arm Time for Partition 1.** 24hr format HHMM, e.g for 11:30pm, keyin 2330. To disable this timer keyin 9999.	9999
32	**Auto Disarm Time for Partition 1.** 24hr format HHMM, e.g for 11:30pm, keyin 2330. To disable this timer keyin 9999.	9999
33	**Auto Arm Time for Partition 2.** 24hr format HHMM, e.g for 11:30pm, keyin 2330. To disable this timer keyin 9999.	9999
34	**Auto Disarm Time for Partition 2.** 24hr format HHMM, e.g for 11:30pm, keyin 2330. To disable this timer keyin 9999.	9999
35	**Night mode begin time.** 24hr format HHMM, e.g for 11:30pm, keyin 2330. To disable this timer keyin 9999.	9999
36	**Night mode end time.** 24hr format HHMM, e.g for 11:30pm, keyin 2330. To disable this timer keyin 9999.	9999
37	**PGM On Time 1.** 24hr format HHMM, e.g for 11:30pm, keyin 2330. To disable this timer keyin 9999.	9999
38	**PGM Off Time 1.** 24hr format HHMM, e.g for 11:30pm, keyin 2330. To disable this timer keyin 9999.	9999
39	**PGM On Time 2.** 24hr format HHMM, e.g for 11:30pm, keyin 2330. To disable this timer keyin 9999.	9999
40	**PGM Off Time 2.** 24hr format HHMM, e.g for 11:30pm, keyin 2330. To disable this timer keyin 9999.	9999
41	**PGM Auto Off Timer.** From 1 to 255 minute	005