ParaDox
Digiplex EVO*96* – Quick Programming Guide
(V1.00)

SECTION A: System information

* Zone configuration

Model	On board zone	Expander
DGP-EVO 96	8 zones	***Hardwire*** APR3-ZX 4 Four (4) zone hardwire APR3-ZX 8 Eight (8) zone hardwire DGP2-50 Addressable PIR (Dual element) DGP2-60 Addressable PIR (Quad element) DGP2-70 Addressable Pet immunity PIR ***Wireless*** MG-RCV3 Magellan wireless receiver MG-DCT1 Door transmitter MG-PMD1P Pet immunity PIR (dual element) MG-PMD75 Pet immunity PIR (Dual-Optic) MG-PMD85 OUTDOOR Pet immunity PIR *Note: Any combination either hardwire or/and wireless up to 96 zones*

* System modules

DGP-EVO 96	8 zones (16 zones by zone doubling)
Hardwire zone	
APR3-ZX 4	4 zones
APR3-ZX 8	8 zones
Addressable zone	
DGP2-50 Addressable PIR (Dual element)	1 zone
DGP2-60 Addressable PIR (Quad element)	1 zone
DGP2-70 Addressable Pet immunity PIR (Dual –optic)	1zone
Wireless zone	
MG-RCV3 Magellan wireless receiver (up to 16 transmitters)	
MG-DCT1 Door transmitter	1 zone
MG-PMD1P Pet immunity PIR (dual element)	1 zone
MG-PMD75 Pet immunity PIR (Dual-Optic)	1 zone
MG-PMD85 OUTDOOR Pet immunity PIR	1 zone
Keypad	
DGP2-641BL LCD (supply with panel)	
DGP2-648BL LED – 48 zones	
DGP2-ANC1B Annunciator	
Accessories	
APR3-ADM2 In touch voice arm/disarm module	
APR3-PRT1 Printer module	
APR3-PGM1 One PGM expansion module	
APR3-PGM4 Four PGM expansion module	

* Bus isolator/booster

APR3-HUB2 Hub and bus isolator module DGP2-PS17 Power supply module	One module has 2 buses Requires 2 DGP2-PS17 for one APR3-HUB2 (each bus one power supply)

* Card access

DGP-ACM11 Access control module CR-R880-BL CR-R870-A CR-R702-A CR-R704-B	Main controller Indoor/outdoor proximity reader Indoor proximity reader Clam shell proximity card Blue proximity key tag

*Listen-in module

DGP-LSN4 Listen-In Module DGP-SUB1 Listen-in substation (4 units per DGP-LSN4)	Main board Substation (for intercom, anauciator)

* System features

- 8 on-board zone, expandable up to 96 [Combination of hardwire modules, addressable zones or wireless zones (max 16 zone)]
- 8 partitions
- 999 user codes
- 2048 events list (via NE ware remote upload/download software)
- 3 on-board PGM expandable up to 250
- Access control up to 32 doors
- 1.7A switching power supply
- Supervise bell output
- Telephone line monitoring
- Hourly test transmission
- Call up to 4 phones
- Arm/disarm and control PGM via phone
- GuardWall technology / 4-wire bus system supports up to **254 expansion modules**, connects modules up to 3000ft (18AWG) / 1000ft (22AWG) from the panel.

Specifications

Maximum Aux power – 700mA [DGP2-641keypad is 110 mA per unit, APR3-ZX4 is 30 mA, APR3-ZX8 is 30mA, addressable PIR is 30 mA]

Wire gauge refers to PAGE 53 of Original Programming Guide

SECTION B: Programming

To enter Programming Mode:

1. **Press and hold the [0] key**
2. **Enter [000000**] *(Prg LED flashing for LED keypad and SECTION wording for LCD keypad),* **you are in the programming mode**
3. **Enter 4 digits SECTION number** (*Prg LED light on)*
4. **Enter required DATA** *(Either enter 2 digits, 3 digits, 4 digits, 8 digits (for S/N) or ON / OFF relevant key) Press [ENTER] to confirm or [CLEAR] to ignore*

[0] to [9] = key 0 to 9 respectively
[STAY] = A [FORCE] = B [ARM] = C [DISARM] = D [BYP] = E [MEM] = F

Remember: After keyed in a required DATA, always press ENTER and CLEAR, in order to let the ENTER key flashing before proceed with entering the next 4 digits SECTION number.

Example: The main board is 8 zones, one keypad zone, one 8 zone expander (ZX8) & 2 pcs of PIR.
Note: All zones can be assigned to any desired zone number.

MUST do step 1 ,2 & 3, or else zone is DISABLE

Step 1 – Zone Numbering

Press & hold [0], then enter [000000], you are in the programming mode

Main board – 8 on board zone:
Press section [0001], enter [8 digit S/N, then 3 digit input], means 8 digits is the **main board S/N**, and key in 001.
Press section [0002], enter [8 digit S/N, then 3 digit input], means 8 digits is the main board S/N, and key in 002.
Press section [0003], enter [8 digit S/N, then 3 digit input], means 8 digits is the main board S/N, and key in 003.
Press section [0004], enter [8 digit S/N, then 3 digit input], means 8 digits is the main board S/N, and key in 004.
Press section [0005], enter [8 digit S/N, then 3 digit input], means 8 digits is the main board S/N, and key in 005.
Press section [0006], enter [8 digit S/N, then 3 digit input], means 8 digits is the main board S/N, and key in 006.
Press section [0007], enter [8 digit S/N, then 3 digit input], means 8 digits is the main board S/N, and key in 007.
Press section [0008], enter [8 digit S/N, then 3 digit input], means 8 digits is the main board S/N, and key in 008.

Keypad:
Press section [0009], enter [8 digit S/N, then 3 digit input], means 8 digits is the **keypad S/N**, and key in 009.

8 zones Expander board:
Press section [0010], enter [8 digit S/N, then 3 digit input], means 8 digits is the **expander board S/N**, and key in 001.
Press section [0011], enter [8 digit S/N, then 3 digit input], means 8 digits is the expander board S/N, and key in 002.
Press section [0012], enter [8 digit S/N, then 3 digit input], means 8 digits is the expander board S/N, and key in 003.
Press section [0013], enter [8 digit S/N, then 3 digit input], means 8 digits is the expander board S/N, and key in 004.
Press section [0014], enter [8 digit S/N, then 3 digit input], means 8 digits is the expander board S/N, and key in 005.
Press section [0015], enter [8 digit S/N, then 3 digit input], means 8 digits is the expander board S/N, and key in 006.
Press section [0016], enter [8 digit S/N, then 3 digit input], means 8 digits is the expander board S/N, and key in 007.Press section [0017], enter [8 digit S/N, then 3 digit input], means 8 digits is the expander board S/N, and key in 008.

PIR:
Press section [0018], enter [8 digit S/N], means 8 digits is the **PIR S/N**.
Press section [0019], enter [8 digit S/N], means 8 digits is the PIR S/N.

4 zones Expander board:
Press section [0020], enter [8 digit S/N, then 3 digit input], means 8 digits is the **expander board S/N**, and key in 001.
Press section [0021], enter [8 digit S/N, then 3 digit input], means 8 digits is the expander board S/N, and key in 002.
Press section [0022], enter [8 digit S/N, then 3 digit input], means 8 digits is the expander board S/N, and key in 003.
Press section [0023], enter [8 digit S/N, then 3 digit input], means 8 digits is the expander board S/N, and key in 004.

16 zones Wireless Receiver:

Press section [0024], enter [8 digit S/N, then 3 digit input], means 8 digits is the **Receiver** S/N, and key in 001.
Press section [0025], enter [8 digit S/N, then 3 digit input], means 8 digits is the Receiver S/N, and key in 002.
Press section [0026], enter [8 digit S/N, then 3 digit input], means 8 digits is the Receiver S/N, and key in 003.
Press section [0027], enter [8 digit S/N, then 3 digit input], means 8 digits is the Receiver S/N, and key in 004.
Press section [0028], enter [8 digit S/N, then 3 digit input], means 8 digits is the Receiver S/N, and key in 005.
Press section [0029], enter [8 digit S/N, then 3 digit input], means 8 digits is the Receiver S/N, and key in 006.
Press section [0030], enter [8 digit S/N, then 3 digit input], means 8 digits is the Receiver S/N, and key in 007.
Press section [0031], enter [8 digit S/N, then 3 digit input], means 8 digits is the Receiver S/N, and key in 008.
Press section [0032], enter [8 digit S/N, then 3 digit input], means 8 digits is the Receiver S/N, and key in 009.
Press section [0033], enter [8 digit S/N, then 3 digit input], means 8 digits is the Receiver S/N, and key in 010.
Press section [0034], enter [8 digit S/N, then 3 digit input], means 8 digits is the Receiver S/N, and key in 011.
Press section [0035], enter [8 digit S/N, then 3 digit input], means 8 digits is the Receiver S/N, and key in 012.
Press section [0036], enter [8 digit S/N, then 3 digit input], means 8 digits is the Receiver S/N, and key in 013.
Press section [0037], enter [8 digit S/N, then 3 digit input], means 8 digits is the Receiver S/N, and key in 014.
Press section [0038], enter [8 digit S/N, then 3 digit input], means 8 digits is the Receiver S/N, and key in 015.
Press section [0039], enter [8 digit S/N, then 3 digit input], means 8 digits is the Receiver S/N, and key in 016.

Note: Transmitter S/N program in Step 7 D

Step 2 – Zone Type, Partition & Options

Press & hold [0], then enter [000000], you are in the programming mode

Press section [0101], [4,1, ENTER, CLEAR], means ZONE 1 Instant, Partition 1.
Press section [0102], [3,1, ENTER, CLEAR], means ZONE 2 follow zone (PIR), Partition 1.
Press section [0103], [4,1, ENTER, CLEAR], means ZONE 3 Instant, Partition 1.
Press section [0104], [4,1, ENTER, CLEAR], means ZONE 4 Instant, Partition 1.
Press section [0105], [4,1, ENTER, CLEAR], means ZONE 5 Instant, Partition 1.
Press section [0106], [4,1, ENTER, CLEAR], means ZONE 6 Instant, Partition 1.
Press section [0107], [4,1, ENTER, CLEAR], means ZONE 7 Instant, Partition 1.
Press section [0108], [4,1, ENTER, CLEAR], means ZONE 8 Instant, Partition 1.
Press section [0109], [1,1, ENTER, CLEAR], means ZONE 9 Delay, Partition 1. (Main door / keypad zone)
Press section [0110], [4,1, ENTER, CLEAR], means ZONE 10 Instant, Partition 1.
Press section [0111], [4,1, ENTER, CLEAR], means ZONE 11 Instant, Partition 1.
Press section [0112], [4,1, ENTER, CLEAR], means ZONE 12 Instant, Partition 1.
Press section [0113], [4,1, ENTER, CLEAR], means ZONE 13 Instant, Partition 1.
Press section [0114], [4,1, ENTER, CLEAR], means ZONE 14 Instant, Partition 1.
Press section [0115], [4,1, ENTER, CLEAR], means ZONE 15 Instant, Partition 1.
Press section [0116], [4,1, ENTER, CLEAR], means ZONE 16 Instant, Partition 1.
Press section [0117], [4,1, ENTER, CLEAR], means ZONE 17 Instant, Partition 1.
Press section [0118], [4,1, ENTER, CLEAR], means ZONE 18 Instant, Partition 1.
Press section [0119], [4,1, ENTER, CLEAR], means ZONE 19 Instant, Partition 1.
Press section [0120], [4,1, ENTER, CLEAR], means ZONE 20 Instant, Partition 1.
Press section [0121], [4,1, ENTER, CLEAR], means ZONE 21 Instant, Partition 1.
Press section [0122], [4,1, ENTER, CLEAR], means ZONE 22 Instant, Partition 1.
Press section [0123], [4,1, ENTER, CLEAR], means ZONE 23 Instant, Partition 1.
And [0124] for zone 24, [0125] for zone 25, and so on …….

Key in section	**Zone type**	**Partition**	**Zone options**
0101 for zone 1 0102 for zone 2 0103 for zone 3 up to …. 0196 for zone 96	0 for zone disable 1 for entry delay 1 3 for follow 4 for Instant 6 for 24 hour [panic] D for fire[24 hour]	1 for partition 1 2 for partition 2 3 for partition 3 4 for partition 4 5 for partition 5 6 for partition 6 7 for partition 7 8 for partition 8	1 for auto zone shutdown [default: OFF] 2 for Bypassable zone [default: ON] 3 for stay zone [default: OFF] 4 for force zone [default: OFF] 5 & 6 are OFF for audible zone [default] 5 ON & 6 OFF for silent zone 7 for intellizone [default: OFF]

Note 1:
The 1st digit represents by: 1 for Delay zone, 3 for Follow zone, 4 for Instant zone, 6 for 24 hour alarm.
Don't program keypad zones if not used.

Note 2:
If the zone wants to become a STAY zone, instead of [3,1,ENTER, CLEAR], replace it with
[3,1 and ON key 3, ENTER, CLEAR], means this zone will be bypassed when stay armed.

E.g.: Press section [0102], [3,1, and ON key 3, ENTER, CLEAR], means ZONE 2 follow zone (PIR), Partition 1.

If the zone want to become a FORCE zone, instead of [1,1,ENTER, CLEAR]. Replace it with
[1,1,and ON key 4, ENTER, CLEAR], means this zone will be allowed open during arming.

E.g.: Press section [0109], [1,1, and ON key 4, ENTER, CLEAR], means ZONE 9 Delay, Partition 1. (Main door / keypad zone)

Note 3:
By default, all zones are Bypassable.

Step 3 – Enable EOL (End Of Line resistor)

Press & hold [0], then enter [000000], you are in the programming mode

Press section [3033], [ON key 7], means used of EOL resistor on hardwire zones

Step 4 - Others essential basic features to be programmed

Press & hold [0], then enter [000000], you are in the programming mode

- Section 0961, enter [002], zone 1 on board for 60 ms for vibration sensor
- Section 0962, enter [002], zone 2 on board for 60 ms for vibration sensor
- Section 0963, enter [002], zone 3 on board for 60 ms for vibration sensor
- Section 0964, enter [002], zone 4 on board for 60 ms for vibration sensor
- Section 0965, enter [002], zone 5 on board for 60 ms for vibration sensor
- Section 0966, enter [002], zone 6 on board for 60 ms for vibration sensor
- Section 0967, enter [002], zone 7 on board for 60 ms for vibration sensor
- Section 0968, enter [002], zone 8 on board for 60 ms for vibration sensor

- Section 3108 for exit delay partition 1 (*e.g.:* enter [3108], then key in [030] for 30 seconds). ***Default is 60 seconds***
- Section 3111 for entry delay partition 1 (*e.g.:* enter [3111], then key in [030] for 30 seconds). ***Default is 60 seconds***
- Section 3113 for bell timer partiton 1 (*e.g.:* enter [234], then key in [010] for 10 minutes). ***Default is 4 minutes***

- Section 3123, key for keypad Panic option wanted. (*e.g*: ON 1,2,3,4,5,6 for audible panic [1]&[3], [4]&[6], [7]&[9])

- Section 3125, ON key for option wanted. For one-touch functions. (*e.g:* ON 1 for regular arming, ON 2 for stay arming, ON 3 for instant arming & ON 4 for force arming) ***Note:*** Stay & force arming need to be programmed in Step 2 for each individual zone.

- Section 3051, key in 008. For number of ring pick up.

*** Choose either Step 5A or 5B**

Step 5 A – To call Handphone / Phone

Press & hold [0], then enter [000000], you are in the programming mode

1. Section 3036, ON key [3], (key 4 5 & 6 remain ON). To enable Dialer.
2. Section 3036, ON key [1], for telephone line monitoring *(trouble on keypad if telephone being cut)*
3. Section 3070, enter [7777] for pager reporting format to dial tel. 1,2,3 & 4.
4. Section 3061, enter [8888]. For account no. 1
5. Section 3062, enter [8888]. For account no. 2
6. Section 3063, enter [8888]. For account no. 3
7. Section 3064, enter [8888]. For account no. 4
8. Section 3071, enter phone no. 1 follow by codes (***e.g.: 0121234567 BYP 88 BYP 88 BYP 88 BYP 88 BYP 88 BYP 88 BYP 88 BYP 888).***
9. Section 3072, enter phone no. 2 follow by codes (***e.g.: 0121234568 BYP 88 BYP 88 BYP 88 BYP 88 BYP 88 BYP 88 BYP 88 BYP 888).***
10. Section 3073, enter phone no. 3 follow by codes (***e.g.: 0121234569 BYP 88 BYP 88 BYP 88 BYP 88 BYP 88 BYP 88 BYP 88 BYP 888).***
11. Section 3074, enter phone no. 4 follow by codes (***e.g.: 0121234560 BYP 88 BYP 88 BYP 88 BYP 88 BYP 88 BYP 88 BYP 88 BYP 888).***
12. Section 3056, enter [002], number of dial attempt is 2 times
13. Section 0201, key in [33][ENTER][33][ENTER][33]ENTER][33][ENTER][33][ENTER][33]ENTER][33][ENTER][33][ENTER] For alarm reporting codes zone 1 to 8.
14. Section 0209, [33][ENTER][33][ENTER][33]ENTER][33][ENTER][33][ENTER][33]ENTER][33][ENTER][33][ENTER] key in For alarm reporting codes zone 9 to 18.
15. Section 0219, [33][ENTER][33][ENTER][33]ENTER][33][ENTER][33][ENTER][33]ENTER][33][ENTER][33][ENTER] For alarm reporting codes zone 19 to 26.

Note: For PABX line: [9] [BYP] [Phone number]

Step 5 B – Link To Centre Monitoring Station (CMS)

Press & hold [0], then enter [000000], you are in the programming mode

Section	**Contact I.D**
3070	[5555] (Do nothing, already in default)
3036	ON key [3], (key 4, 5 & 6 remain ON)
3037	OFF key [8], for report zone restore on bell cut-off
3061	Enter 4 digit account no 1 (Note: account with digit [0 = STAY] key
3062	Enter 4 digit account no. 2 (normally same as account no. 1)
3071	Enter phone no. 1 (***e.g.: 12345678 [ENTER][CLEAR])***
3072	Enter phone no. 2 (***e.g.: 12345679 [ENTER][CLEAR])***
3040	Enter [001] for daily auto test
3041	Enter [HH:MM] for test time
4031	[CLEAR]

Step 6 – PGM (Programmable output 1 to 3)

Press & hold [0], then enter [000000], you are in the programming mode

Option 1	Section [0910], enter [010] Section [0911], enter [000] Section [0912], enter [001] Section [0913], enter [255] Section [0914], enter [014] Section [0915], enter [000] Section [0916], enter [001] Section [0917], enter [255]	Arming in regular mode for PGM 1 [Light ON when system arm and OFF system disarm]
Option 2	Section [0920], enter [024] Section [0921], enter [255] Section [0922], enter [001] Section [0923], enter [096] Section [0924], enter [020] Section [0925], enter [000] Section [0926], enter [001] Section [0927], enter [255]	Strobe for PGM 2 [Strobe stop once key in user codes]

For more options, refer to System Programming Outputs page 14.

Wiring connection: POSITIVE leg of LED to AUX + and NEGATIVE leg of LED (with 1k resistor) to PGM 1.
Note: PGM 1 only support 50mA, a Relay is needed if more than 50mA. PGM 2 and 3 are contact (COM & NO).

Step 7: Expansion Modules Programming Guide

To enter Programming Mode (it is advisable to use LCD to do this programming):

1. Press and hold the [0] key
2. Enter [000000] *(SECTION will be displayed on LCD keypad),* you are in the programming mode
3. Enter SECTION **[4003**] *(NOTE: this 4003 is common section applicable for all the expansion modules)*

Then, choose one of the following expansion module's serial number

4. Enter 8-digit [Serial number] of the Expansion module
5. Enter 3-digit [SECTION] you wish to program
6. Enter required [DATA]

Press [ENTER] to confirm or [CLEAR] to ignore

A: LCD keypad (DGP2-641BL)

Section [003], ON key [2,3 & 8], to display exit delay, entry delay and time on keypad

B: DGP2-648 LED keypads

C: Addressable PIR (DGP2-50 / DGP2 – 60 / DGP2 – 70)

Section [001], On key 1, for less sensitive
Section [002], enter [003], meaning 000 is for very sensitive, 002 normal and 003 less sensitive. (default is 002)

D: Magellan Wireless Receiver Module (MG-RCV3)

Section [001], On key [1], for low battery supervision

Press section [101], enter [6 digit S/N], means 8 digits is the transmitter S/N. (becomes 1st input of the receiver)
Press section [102], enter [6 digit S/N], means 8 digits is the transmitter S/N. (becomes 2nd input of the receiver)
Press section [103], enter [6 digit S/N], means 8 digits is the transmitter S/N. (becomes 3rd input of the receiver)
Press section [104], enter [6 digit S/N], means 8 digits is the transmitter S/N. (becomes 4th input of the receiver)
Press section [105], enter [6 digit S/N], means 8 digits is the transmitter S/N. (becomes 5th input of the receiver)
Press section [106], enter [6 digit S/N], means 8 digits is the transmitter S/N. (becomes 6th input of the receiver)
Press section [107], enter [6 digit S/N], means 8 digits is the transmitter S/N. (becomes 7th input of the receiver)
Press section [108], enter [6 digit S/N], means 8 digits is the transmitter S/N. (becomes 8th input of the receiver)
Press section [109], enter [6 digit S/N], means 8 digits is the transmitter S/N. (becomes 9th input of the receiver)
Press section [110], enter [6 digit S/N], means 8 digits is the transmitter S/N. (becomes 10th input of the receiver)
Press section [111], enter [6 digit S/N], means 8 digits is the transmitter S/N. (becomes 11th input of the receiver)
Press section [112], enter [6 digit S/N], means 8 digits is the transmitter S/N. (becomes 12th input of the receiver)
Press section [113], enter [6 digit S/N], means 8 digits is the transmitter S/N. (becomes 13th input of the receiver)
Press section [114], enter [6 digit S/N], means 8 digits is the transmitter S/N. (becomes 14th input of the receiver)
Press section [115], enter [6 digit S/N], means 8 digits is the transmitter S/N. (becomes 15th input of the receiver)
Press section [116], enter [6 digit S/N], means 8 digits is the transmitter S/N. (becomes 16th input of the receiver)

For MG Remote Control

- Assign Remote to follow panel's user number

Press section [301], enter [3 digit user no.], for remote control 1.
Press section [302], enter [3 digit user no.], for remote control 2.
…up to [316] for remote control 16.

- Button assignment (for button A, B, C, D)

Press section [401], enter [1,5,7,7], for remote control 1.
Press section [402], enter [1,5,7,7], for remote control 2.
…up to [416] for remote 16

For Button C activates (ON for 2 seconds) PGM on OMNIA RCV3 Receiver [for example to trigger autogate]

Press section [401], enter [1,5,**0,**7], for remote control 1's Button C to trigger PGM 3 on RCV3 for 2 seconds

Note:
Meaning Button A (TOP) assigned for Regular Arming, Button B (BOTTOM) assigned for Disarm and Button C (LEFT) & D (RIGHT) are assign for Panic (same as keypad panic 1& MUST program in section [3123][ON key 1 & 4], or else, it will not function).

- Program Remote to recognise the panel

Press section [201][Press Button A slowly and firmly on remote control no.1 TWO times](you will hear a confirmation beep).
Press section [202][Press Button A slowly and firmly on remote control no.2 TWO times](you will hear a confirmation beep).
….up to [216] for remote control 16

E: 4-PGM output module (APR3-PGM4)

F: 8 zone hardwire module (APR3-ZX8)

- Section 003, enter [003], input 1 on board for 45 ms for vibration sensor
- Section 005, enter [003], input 2 on board for 45 ms for vibration sensor
- Section 007, enter [003], input 3 on board for 45 ms for vibration sensor
- Section 009, enter [003], input 4 on board for 45 ms for vibration sensor
- Section 011, enter [003], input 5 on board for 45 ms for vibration sensor
- Section 013, enter [003], input 6 on board for 45 ms for vibration sensor
- Section 015, enter [003], input 7 on board for 45 ms for vibration sensor
- Section 017, enter [003], input 8 on board for 45 ms for vibration sensor

Note: 001 for 15 ms, 002 for 30ms, 003 for 45ms, 004 for 60 ms……..default is 600ms

G: 4 zone hardwire module (APR3-ZX4)

- Section 003, enter [003], input 1 on board for 45 ms for vibration sensor
- Section 005, enter [003], input 2 on board for 45 ms for vibration sensor
- Section 007, enter [003], input 3 on board for 45 ms for vibration sensor
- Section 009, enter [003], input 4 on board for 45 ms for vibration sensor

Note: 001 for 15 ms, 002 for 30ms, 003 for 45ms, 004 for 60 ms……..default is 600ms

H: 1 zone hardwire module (DGP2-ZX1)

- Section 002, enter [006], input 1 on board for 60 ms for vibration sensor

I: InTouch voice arm / disarm module (APR3-ADM2)

- Section 001, enter [015], 15 ring count (default: 8 rings)

Misc. 1 - MISC

- **Walk test** – where Siren will squawk to indicate opened zones

To active : Press & hold [0], then enter [00000], press [MEM] [ENTER] [CLEAR]
To De-active : Press [MEM] again once to exit walk test mode

Note: MUST de-active or else system cannot be armed even though keypad shows “Ready”.

- **Clear TBL 8** – Timer loss

Press [TRBL] key, then [8] key, enter [HH:MM] then [YYYYMMDD],[CLEAR]

E.g.: Press [TRBL] key, then [8] key, enter [15:30] then [2000830],[ENTER]

- **Answer Winload software / pickup the line**

Press & hold [0], then enter [000000], press [ARM]

- **Cancel dialer**

Press & hold [0], then enter [000000], press [DISARM]

- **Start module scan**

Press & hold [0], then enter [000000], press [TRBL]
The keypad will display the serial number of each module on the bus

- **Read voltage at keypad bus**

Press & hold [0], then enter [000000], press [ACC]
A reading of 12.3V or lower that indicates voltage is too low

Misc. 2 – Default setting

- **Display serial number of control panel and all modules**

Keypad will display the 8-digit serial number of control panel and all modules

Press & hold [0], then enter [000000], you are in the programming mode
Then, key in [4000], use [^] and [V] to scroll.

- **Module reset**

Reset a module's programming contents to default by entering its serial number

Press & hold [0], then enter [000000], you are in the programming mode
Then, key in [4001], then enter [8-digits serial number], the module will be defaulted.

- **Remove modules**

Control panel will scan all modules connected to the bus and remove those modules already disconnected.

Press & hold [0], then enter [000000], you are in the programming mode
Then, key in [4005], wait for few minutes and it will exit programming mode by itself.

- **Default master code to 1234**

To reset missing master code back to default:1234

Put the "RESET" jumper on the control panel to ON (shorting)
Press & hold [0], then enter [000000], you are in the programming mode
Then, key in [4041]. Remember to remove the "RESET" jumper to OFF (not shorting)

- **Default all programming back to factory default**

To reset all programming back to factory default

Put the "RESET" jumper on the control panel to ON
Press & hold [0], then enter [000000], you are in the programming mode
Then, key in [4040]. Remember to remove the "RESET" jumper to OFF (not shorting)

SECTION C: User Operations

Normal function:

Regular Arming	Key in [4 digit user code], then press [ARM]
Stay Arming	Key in [4 digit user code], then press [STAY]
Instant Arming	Key in [4 digit user code], then press [INSTANT = Key5]
Force Arming	Key in [4 digit user code], then press [FORCE]
Bypass &[ENTER]	Key in [4 digit user code], then press [BYP], ENTER [2 digit zone]
Disarm	Key in [4 digit user code]

One-Touch Button:

Arm	Press [ARM]
Stay	Press [STAY]
Force	Press [FORCE]
Instant	Press [INSTANT=Key 5]

Panic function:

Press [1] & [3] at the same time, for Emergency panic alarm..
Press [4] & [6] at the same time, for Auxiliary / Police panic alarm.
Press [7] & [9] at the same time, for Fire panic alarm.

Activating a chime zone:

LED: Enter [4 digit user code], then press [9], [1][2digit zone number], [CLEAR] to exit
LCD: Enter [4 digit user code], then press [9], [1], [^] or [v] button to scroll the zone, press [ACC] to enable or disable chime. Then [ENTER] to save.

- **Change Master / create new user code**

Enter [master code], Press & hold [0], press [ACC] [3 digit user, 001 for master, 002 for user 2…up 999 for user 999] [4 digits new code][ON key for user options], press [↑], then on key [1]

E.g.:

[1234] [Press & hold [0] [ACC][001] [5678][ON key 6,7][ENTER], where 001 is master user and 5678 is the new master code.
[1234] [Press & hold [0] [ACC][002] [7878][ON key 6,7][ENTER], where 002 is user 2 and 7878 is the user 2 code.
[1234] [Press & hold [0] [ACC][099] [5354][ON key **3**,6,7][ENTER], where 99 is duress code.

Section	User code options	User partition assignment
Section [001] for user 01 (master) Section [002] for user 02 Section [003] for user 03 …up to Section [999] for user 999	[1] ON & [2] OFF – user can program user code [1] ON & [2] ON – user can program user code, options and partition assignment. [3] ON for duress [4] ON for Bypass [default is ON] [5] ON arm only [6] Stay & Instant [7] Force	[1] user has access to Partition 1. [2] user has access to Partition 2. [3] user has access to Partition 3. .. up to [8] user has access to Partition 8.

Frequently Asked Questions

FAQ1: Partitioning

STEP 1: Zone programming

Press & hold [0], then enter [000000], you are in the programming mode

Press section [0101], [6,1, ENTER, CLEAR], means ZONE 1 Instant, Partition 1.
Press section [0102], [6,1, ENTER, CLEAR], means ZONE 2 Instant, Partition 1.
Press section [0103], [6,2, ENTER, CLEAR], means ZONE 3 Instant, Partition 2.
Press section [0104], [6,2, ENTER, CLEAR], means ZONE 4 Instant, Partition 2.
Press section [0105], [1,1, ENTER, CLEAR], means ZONE 5 Delay, Partition 1.

STEP 2: Enable partition features

Section 3031, ON key [1,2] for partition 1 and 2
Section 3031, ON key [1,2,3] for partition 1, 2 and 3
Section 3031, ON key [1,2,3,4] for partition 1,2,3 and 4
Up to 8 partitions

STEP 3: User authority (NOT in Installation programming, BUT in master programming) [LCD keypad User manual page 30]

Enter [master code], Press & hold [0], press [ACC] [3 digit user, 001 for master, 002 for user 2…] [4 digits new code], user options[ON 4 & 8], press [↑], assign area [ON 2], then press [ENTER][CLEAR].

STEP 4: User operation (Master code: 1234)

To arm: [1234][ARM][0][1 and 2], arm partition 1 and 2
To disarm partition 2: [2222][DISARM]
To disarm both partitions: [1234][DISARM][0]

STEP 5: To assign bell output for each partition

Option 1	Partition 1 Section [0910], enter [067] Section [0911], enter [000] Section [0912], enter [008] Section [0913], enter [008] Partition 2 Section [0920], enter [067] Section [0921], enter [000] Section [0922], enter [009] Section [0923], enter [009] Partition 3 Section [0930], enter [067] Section [0931], enter [000] Section [0932], enter [010] Section [0933], enter [010]	Bell ON when alarm, OFF after timer (default all partitions are 4 minutes), (Timer setting refer to page 33)

Note: PGM 1 only support 50mA, a Relay is needed if more than 50mA. PGM 2 and 3 are contact (COM & NO).

FAQ 2 – How to wire a smoke detector on Digiplex EVO96

Diagram for additional RELAY board (**12V DC coil and AC/DC contact**) to reset smoke detector, you also need to program PGM output, as follows:

Press & hold [0], then enter [000000], you are in the programming mode

Step 1:

Section [0910], enter [067]
Section [0911], enter [000]
Section [0912], enter [004]
Section [0913], enter [004]

To reset smoke detector once trigger: Press and hold [ENTER] & [CLEAR] for 2 seconds.

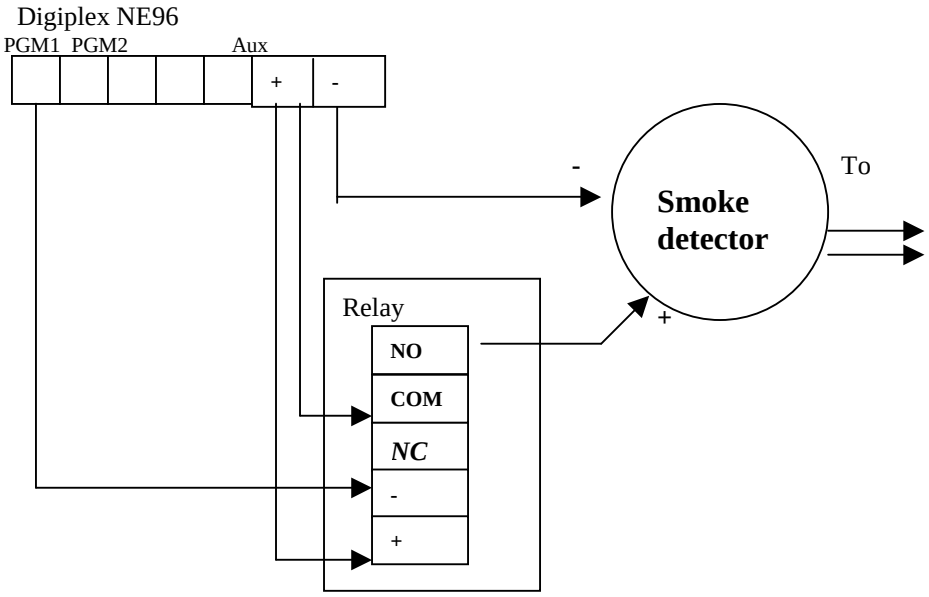
Step 2:

Program zone type to Fire zone, value is [D]

Example:

Press section [0108], [D,1, ENTER], means ZONE 8 is FIRE zone, Partition 1.

Step 3: Wiring



FAQ 3 -To program Listen-in module

[Press & hold 0][000000][4003][DGP2-LSN4 Serial Number], you are in module programming now.

Continuous Recording Features:
- Recording audio up to 120 seconds before and after an alarm through the substation. This recording can then be played back while connected by monitor station or user.

Section [005] [On key 4]

Pre-alarm audio recording
- Duration of the audio recording before an alarm

Section [035] [015], it can be set from 5 to 115 seconds

Post-alarm audio recording
- Duration of the audio recording after an alarm

Section [036] [015], it can be set from 5 to 115 seconds

* Pre-alarm and post-alarm audio recording cannot be higher than 120 seconds.

Background Music on Substation

Section [006] [On key 5]

Substation 1 Panic Button Option

Section [013]

Key 1	Key 2	Option
OFF	OFF	Disabled (default}
ON	OFF	Police Panic
OFF	ON	Medical Panic
ON	ON	Fire Panic

Substation Panic Audible Feedback
- When the panic button on the substation is pressed and held for 2 seconds or more, it will generate a panic message.

Section [014] [On key 1]

User Connection Access
Set this to [000] to allow all are able to access to the listen-in module.

Section [024] [enter 000]

Ring Count

Section [025] [003], listen-in module pick up after 3 rings.

Listen In Module Procedure

For User:

1. At any time with no alarm trigger or after the Call Back Connection Delay has lapsed; a user can call the Listen-In Module to access the module. Default is 6 rings pick up. After pick up, key in [User Code] to access the User Menu (if no alarm trigger, user can access User Menu only).

User Menus:

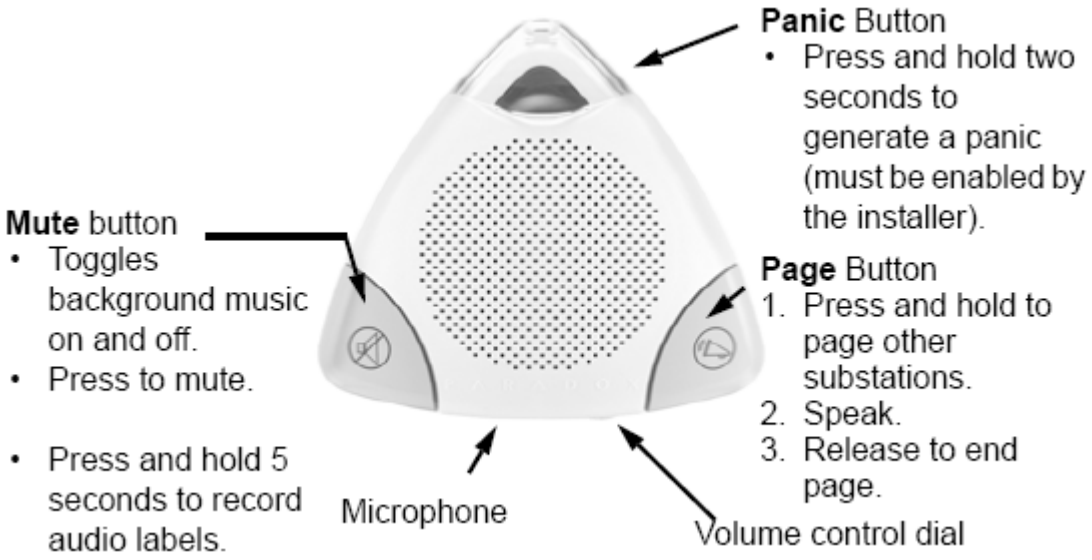
Listen-In

Key	Action
[1]	Activate Listen-In on Substation 1
[2]	Activate Listen-In on Substation 2
[3]	Activate Listen-In on Substation 3
[4]	Activate Listen-In on Substation 4
[5]	Activates Listen-In on all Substations
[6]	Plays the last Alarm Recorded Audio or skip the next 10 seconds of recording when listening (if enabled)
[7]	Toggle between Listen-In and Two-Way Communication
[8]	Toggle between high and normal phone volume
[9]	Toggle between high and normal on-site speaker volume
[*]	Switches to Arm/Disarm menu
[#][#]	End communication
[#][0]	Activates or deactivate the siren bypass relay (if the system siren is connected through the Listen-In module relay)
[0]	Stop and restart menu options

Arm/Disarm

Key	Action
[1]	Arms or disarms Area 1 of the system
[2]	Arms or disarms Area 2 of the system
[3]	Arms or disarms Area 3 of the system
[4]	Arms or disarms Area 4 of the system
[5]	Arms or disarms Area 5 of the system
[6]	Arms or disarms Area 6 of the system
[7]	Arms or disarms Area 7 of the system
[8]	Arms or disarms Area 8 of the system
[0]	Arms or disarms the entire system
[*]	Switches to Listen-In menu
[#][#]	End communication
[#][0]	Activates or deactivate the siren bypass relay (if the system siren is connected through the Listen-In module relay)

Substation Overview



Mute Button Functionality

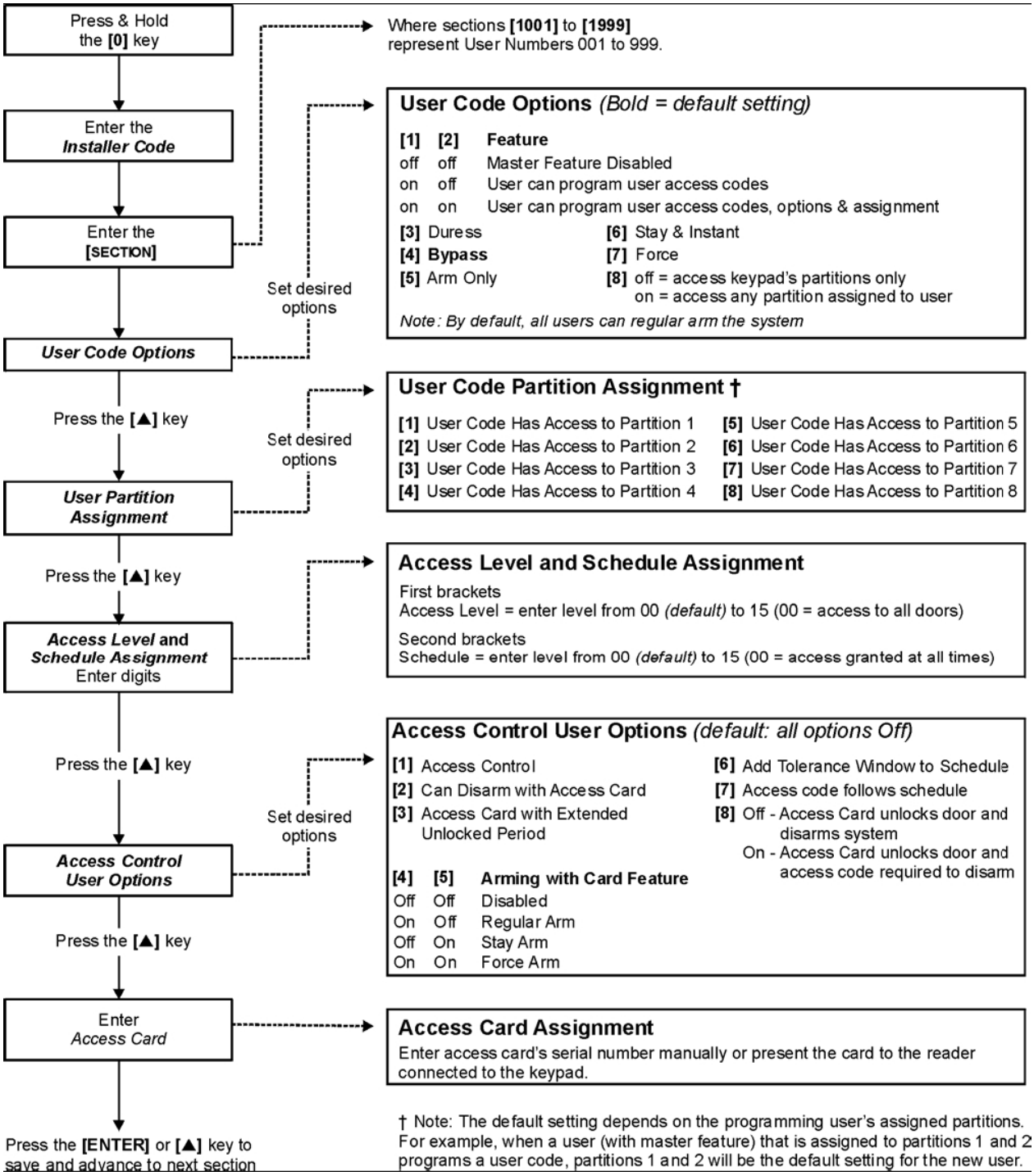
If the music is:	If the Background Music Input is disabled, the mute button will only toggle the Mute option
ON	To turn OFF: Press Mute once To mute: Press Mute twice within 5 seconds
OFF	TO turn ON: Press Mute once To mute: Press Mute three ties within 5 seconds
Muted (Red LED on)	To turn ON: Press Mute once To turn OFF: Press Mute twice within 5 seconds

FAQ 3 – Card access

1. Activating access control
Section [3038] [ON key 1]

2. Assigning a door to the system
Enter the serial number of ACM1 or DGP2-641AC
Section [2201, door1] to [2232, door 32]

3. User options
.Section [1001, user1] to [1999, user999]



4. Enable REX (Push button to request exit)

In module programming (enter DGP2-ACM11 serial number first in section 4003)

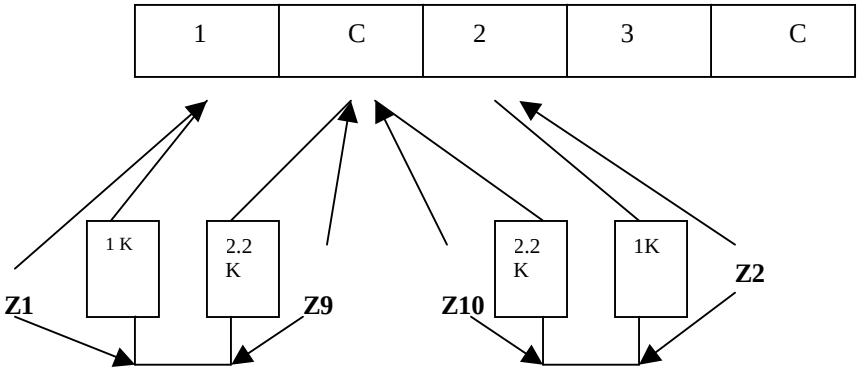
Section [002] [ON key 8]

* If the door contact is not used, connect a jumper or a 1k resistor across the AUX- and CT (If Control panel dint enable EOL, so no need to connect resistor to CT).

FAQ 4 – Zone doubling

Zone Doubling: [1/9] [2/10] [3/11] [4/12] [5/13] [6/14] [7/15][8/16]
Zone 1,2,3,4,5,6,7 & 8 use 1K resistor, zone 9,10,11,12,13,14,15 & 16 use 2.2K resistor

A: Wiring



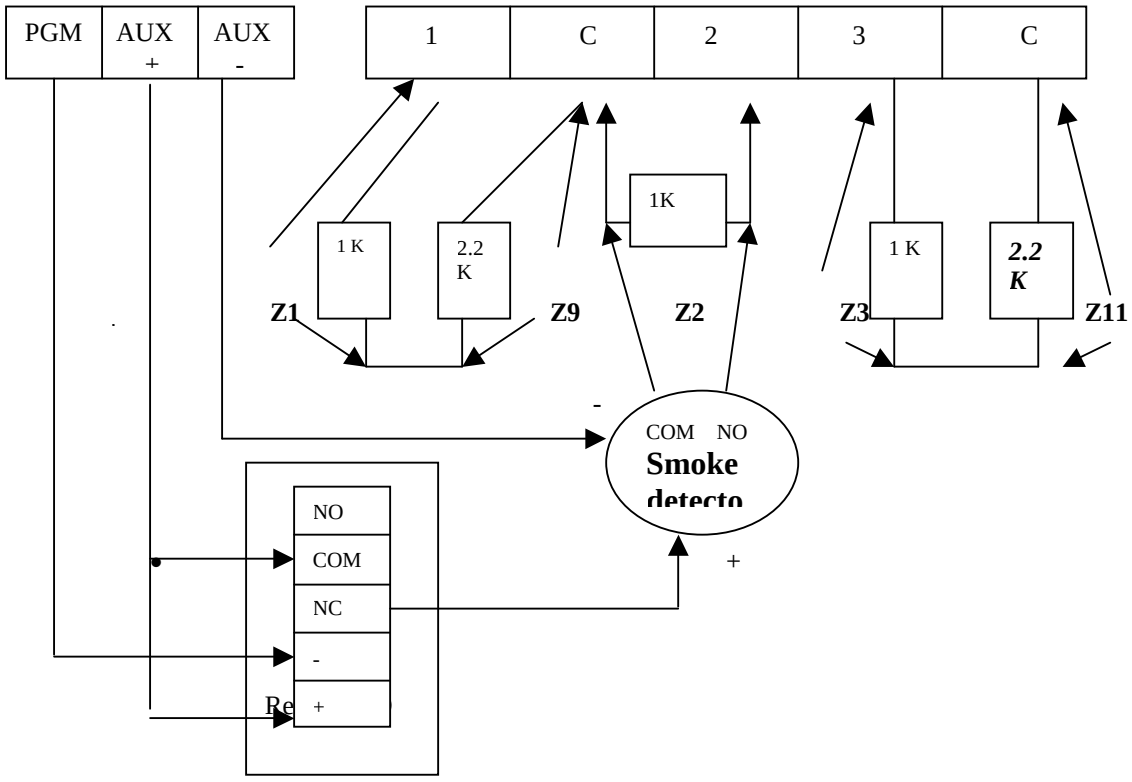
B: Programming

Press & hold [0], then enter [000000], you are in the programming mode
Press section [3033], [OFF key 7 & ON key 8][ENTER][CLEAR], means no EOL resistors and zone doubling enable.

Important note: For zone doubling, the zone speed setting in section [0961] to [0976] should be [006] and above to avoid false alarm caused by vibration sensors.

To use one zone as FIRE zone

A : Wiring



B : Programming

Press & hold [0], then enter [000000], you are in the programming mode

PGM 1
Section [0910], enter [004]
Section [0911], enter [000]
Section [0912], enter [001]
Section [0913], enter [001]
Section [0919] [ON key 1] PGM 1 Deactivation after timer (5 seconds)

Note: The purpose of Relay is to reset smoke power. By pressing [CLEAR] & [ENTER] together for 3 seconds to reset smoke detector. Once zone 2 sets as FIRE zone, zone 10 is disabled.

Programming Planning Sheet

Module type	8-digits serial number	Assigned zone number	Located at
Main board DGP-EVO96		1 to 8	
Keypad 1		9	