

Entering Programming Mode

- 1) Press and hold the [0] key
- 2) Enter your [Installer Code] (default-000000)
- 3) Enter 4-digit [section] you wish to program
- 4) Enter required data

While in a Section one can press CLEAR and you will move one step back in programming. You can now Enter any other Section or by pressing CLEAR again you will exit Programming Mode.

Zone Programming Pg.9



Section **[0400]** is accessible only when using EVO641 and EVO641R keypads. Without section **[0400]**, you can only program the first 96 zones of the system using sections **[0001]** to **[0096]** for the zone's serial number and input, sections **[0101]** to **[0196]** for zone parameters, sections **[0201]** to **[0296]** for report codes and sections **[0301]** to **[0396]** for zone labels. In addition, with a EVO48 panel, you can only program the first 48 zones with or without section **[0400]**.

Enter Section **[0400]**, then enter the number of the zone you want to program
Zone 1 = 001

Enter the zone's 8-digit serial and 3-digit input number (The input number is not needed for module with only one input)
Press [0] followed by [Enter] to clear a zone's serial number.

Enter the zone's parameters (01) (*2*4***) default

Enter the zone's report codes (00) (00) (00) (00) default

Enter the zone's label

Press [ENTER] to save and go to the next zone

Pressing [CLEAR] twice will exit the zone programming menus. Press [ENTER] before pressing clear to save your modifications.

In any Zone Programming option, pressing [ACC] will save the data and go to the next zone on the same option screen. Pressing [TRBL] will save the data and go to the previous zone on the same option screen.

Detector A:	Zone#	Section#	Serial#	Input#
1 =	[0001]		21000033	N/A
Hardwired Device A:	2 =	[0002]	1A000252	N/A
Hardwired Device B:	3 =	[0003]	020000A2	002
Hardwired Device C:	4 =	[0004]	34000041	005

Zone Definition	Partition	Zone Option
___ Select one	___ Select one	1 2 3 4 5 6 7 8
0 - Disabled (default)		Switch options 1 to 8 ON or OFF
1 - Entry Delay 1		
2 - Entry Delay 2		
3 - Follow		
4 - Instant		
5 - 24Hr Buzzer		
6 - 24Hr Burglary		
7 - 24Hr Hold-up		
8 - 24Hr Gas		
9 - 24Hr Heat		
A - 24Hr Water		
B - 24Hr Freeze		
C - Delayed 24Hr Fire		
D - Standard 24Hr Fire		
E - Stay Delay 1		
F - Stay Delay 2		
	1 - Assigned to Partition 1 (default)	[1] Auto Zone Shutdown Enabled
	2 - Assigned to Partition 2	[2] Bypass Enabled (default on)
	3 - Assigned to Partition 3	[3] Stay Zone
	4 - Assigned to Partition 4	[4] Force Zone (default on)
	5 - Assigned to Partition 5	[5] [6] Zone Alarm Type
	6 - Assigned to Partition 6	off off Steady Alarm
	7 - Assigned to Partition 7	off on Pulsed Alarm
	8 - Assigned to Partition 8	on off Silent Alarm
		on on Report Only
		[7] Intellizone
		[8] Delay before Transmission

Alarm Report Code	Alarm Restore Report Code	Tamper Report Code	Tamper Restore Report Code
___ / ___	___ / ___	___ / ___	___ / ___

Ademco slow, Silent Knight fast, SESCOA, Ademco express or Pager formats:
Key-in desired 2-digit hex value FF for Contact ID (MEM-Key on LCD).
Automatic Report Code Programming Pg. 50

Remember that the EVO panel does not have zones, but inputs. These inputs must be assigned to zones first. Example: The main panel has eight inputs. If you want zones 1 to 8 to be on the main panel you need to fill in the serial number of the main panel and input next to the zone assignment. Zones 1 to 8 does not have to be on the main panel though.

Wireless Zones

Wireless detectors all have a six digit serial number. These serial numbers need to be assigned to a MG-RTX3(tranceiver) as inputs. Each MG-RTX3 have 32 inputs, thus with each MG-RTX3 fitted to an EVO one can install 32 wireless zones (6 x MG-RTX3 = 192 zones).

To assign wireless inputs to a MG-RTX one must enter Module Programming. (the MG-RTX is a module)

- 1) Press and hold the [0] key
- 2) Enter your installer code (Default = 000000)
- 3) Enter section **4003**
- 4) Enter the 8-digit MG-RTX serial number. (now you are in the module's programming)
- 5) Enter module section **101 for input 001** (to - 132 for input 032)
- 6) Fill in the 6-digit detector serial -or press the tamper switch on the wireless detector

After the inputs have been created they can be assigned to zones the same as any other input. Now refer back to zone programming.

Keyswitch numbering

Section [0501] to [0532] represent keyswitches 1 to 32 respectively. This feature allows you to assign a keyswitch to an addressable or hardwired detection device.

Enter 3- digit [INPUT NUMBER] of Module to which keyswitch is connected.

Enter 8- digit [SERIAL NUMBER] of Module to which keyswitch is connected.

Section	8-digit Serial Number	Input#
[0501]	___/___/___/___/___/___/___/___	___/___/___
[0502]	___/___/___/___/___/___/___/___	___/___/___
[0503]	___/___/___/___/___/___/___/___	___/___/___

Keyswitch parameters

Section [0601] to [0632] represent keyswitches 1 to 32 respectively. This feature defines the keyswitch's partition assignment and arming method.

Keyswitch Partition Assignment	
0	Not assigned to a partition (default)
1	Keyswitch Assignment to Partition 1
2	Keyswitch Assignment to Partition 2
3	Keyswitch Assignment to Partition 3
4	Keyswitch Assignment to Partition 4
5	Keyswitch Assignment to Partition 5
6	Keyswitch Assignment to Partition 6
7	Keyswitch Assignment to Partition 7
8	Keyswitch Assignment to Partition 8

Keyswitch Definitions	
0	Disabled (default)
1	Momentary Keyswitch (pulsed)
2	Maintained Keyswitch (latched)
3	Generates a Utility Event Event on Open
4	Generates a Utility Event Event on Open and Close

Keyswitch Options (default: all Off)	
[3]	Disarm Only
[4]	Off = Disarm
	On = Disarm only if Stay/Instant armed
[5]	Arm Only
[6]	* Stay Arming
[7]	* Force Arming
[8]	* Instant Arming
	* Select only one. If all Off Keyswitch will regular arm

Section	Define	Assign	Keyswitch Options
[0601]	___	___	3 4 5 6 7 8
[0602]	___	___	3 4 5 6 7 8
[0603]	___	___	3 4 5 6 7 8

Section (3035) will automatically fill in the report codes for Keyswitch Arm/Disarm or they could be filled in individually at sections (0701) to (0832).Pg.20

Panic Input

The above mentioned KEYSWITCH inputs may be programmed as a Panic, Medical or Fire input. These inputs will follow the Auxiliary Panic inputs enabled as shown below. After assigning an input in any position at section (0501) to (0532) the Panics are defined at sections (0601) to (0632) as follow:

Example: Section (0601) First Digit (5) Second Digit (1) Then enable Options 1 to 8

Section	5-Always	1-Panic 2-Medical 3-Fire	Select Partition Assignment
[0601]	___	___	1 2 3 4 5 6 7 8
[0602]	___	___	1 2 3 4 5 6 7 8

Partition Panic Alarm Options NB! the below mentioned options must be enabled for the above mentioned input to work on the required partition.

Option	(= Default Setting)	Partition 1 [3123]		Partition 2 [3223]		Partition 3 [3323]		Partition 4 [3423]		Partition 5 [3523]		Partition 6 [3623]		Partition 7 [3723]		Partition 8 [3823]	
		OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON
[1]	Panic 1 (Keys 1 & 3)Panic		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
[2]	Panic 2 (Keys 4 & 6)Medical		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
[3]	Panic 3 (Keys 7 & 9)Fire		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
[4]	Panic 1 Alarm Type (OFF = Report Only; ON = Audible Alarm)		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
[5]	Panic 2 Alarm Type (OFF = Report Only; ON = Audible Alarm)		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
[6]	Panic 3 Alarm Type (OFF = Report Only; ON = Fire Alarm)		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
[7]	Always Report Disarming (OFF = Always; ON = Only After Alarm)		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
[8]	Auto-Force on Regular Arming		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>

Remember to fill in the Special Reporting codes for reporting in sections (3930) to (3932). PGM Activation for Radio could be achieved with PGM Event group 030 (pg.24).

Timings

- Press and hold the [0] key.
- Enter your **INSTALLER CODE**
- Enter the Timer **SECTION NUMBER**.
- Fill in desired 3 digit timer. Example 030 for 30 seconds. When you fill in the last digit the time will be saved and the programming will move onto the next section or ask you to fill in a new section. One does not have to press ENTER after a time has been filled in.

Common Partition Timers Pg.43

Description Decimal Values from 000 to 255	Partition 1		Partition 2	Partition 3	Partition 4	Partition 5	Partition 6	Partition 7	Partition 8
	Section	Data	Section	Section	Section	Section	Section	Section	Section
Exit Delay Timer (Data x 1 second; Default = 060 seconds)	[3108]	___/___/___	[3208]	[3308]	[3408]	[3508]	[3608]	[3708]	[3808]
Entry Delay 1 (Data x 1 second; Default = 030 seconds)	[3111]	___/___/___	[3211]	[3311]	[3411]	[3511]	[3611]	[3711]	[3811]
Entry Delay 2 (Data x 1 second; Default = 060 seconds)	[3112]	___/___/___	[3212]	[3312]	[3412]	[3512]	[3612]	[3712]	[3812]
Bell Cut-off Timer (Data x 1 minute; Default = 4 minutes)	[3113]	___/___/___	[3213]	[3313]	[3413]	[3513]	[3613]	[3713]	[3813]
Special Arming Exit Delay (Keyswitch,auto arming,Winload etc.)	[3130]	___/___/___	[3230]	[3330]	[3430]	[3530]	[3630]	[3730]	[3830]

Dialer Timers Pg.39

Auto-Arm Times Pg. 42

No Movement Auto Arming Schedule Pg. 47

Options

- 1) Press and hold the [0] key.
- 2) Enter your **INSTALLER CODE** (Default: 000000)
- 3) Enter the Option **SECTION NUMBER**.
- 4) Turn desired Options 1 to 8 ON or OFF by pressing on that digit.
The corresponding number will lite up on the Keypad. To Disable an Option press on a lit digit.
- 5) Press the **ENTER** key.
You will automatically be in the next Section. Change the data or press CLEAR and enter another Section.

Dialer Options Pg.38
Other Options Pg.38 - 40
Partition Options Pg.43 - 47

Example: System Options Pg.36, 37

= Default setting

SECTION [3031] : Partition Options 1			OFF	ON	SECTION [3032] : Partition Options 2			OFF	ON
[1]	Partition 1	<input type="checkbox"/> Disabled	<input checked="" type="checkbox"/> Enabled	[1]	Bell/siren output in partition 1	<input type="checkbox"/> Disabled	<input checked="" type="checkbox"/> Enabled		
[2]	Partition 2	<input checked="" type="checkbox"/> Disabled	<input type="checkbox"/> Enabled	[2]	Bell/siren output in partition 2	<input checked="" type="checkbox"/> Disabled	<input type="checkbox"/> Enabled		
[3]	Partition 3	<input checked="" type="checkbox"/> Disabled	<input type="checkbox"/> Enabled	[3]	Bell/siren output in partition 3	<input checked="" type="checkbox"/> Disabled	<input type="checkbox"/> Enabled		
[4]	Partition 4	<input checked="" type="checkbox"/> Disabled	<input type="checkbox"/> Enabled	[4]	Bell/siren output in partition 4	<input checked="" type="checkbox"/> Disabled	<input type="checkbox"/> Enabled		
[5]	Partition 5 (EVO192 only)	<input checked="" type="checkbox"/> Disabled	<input type="checkbox"/> Enabled	[5]	Bell/siren output in partition 5	<input checked="" type="checkbox"/> Disabled	<input type="checkbox"/> Enabled		
[6]	Partition 6 (EVO192 only)	<input checked="" type="checkbox"/> Disabled	<input type="checkbox"/> Enabled	[6]	Bell/siren output in partition 6	<input checked="" type="checkbox"/> Disabled	<input type="checkbox"/> Enabled		
[7]	Partition 7 (EVO192 only)	<input checked="" type="checkbox"/> Disabled	<input type="checkbox"/> Enabled	[7]	Bell/siren output in partition 7	<input checked="" type="checkbox"/> Disabled	<input type="checkbox"/> Enabled		
[8]	Partition 8 (EVO192 only)	<input checked="" type="checkbox"/> Disabled	<input type="checkbox"/> Enabled	[8]	Bell/siren output in partition 8	<input checked="" type="checkbox"/> Disabled	<input type="checkbox"/> Enabled		

Programmable Outputs Pg.21

PGM Programming		Event Group	Feature Group	Start #	End #	The PGMs are not Pre-Programmed Suggested PGM programming:
	Section	Section	Section	Section		
PGM Activation ON	PGM1	[0910] 0 / 6 / 4	[0911] 2 / 5 / 5	[0912] 0 / 0 / 0	[0913] 0 / 0 / 0	PGM1 Arm/Disarm LED(- trigger only)
	PGM2	[0920] 0 / 3 / 0	[0921] 2 / 5 / 5	[0922] 0 / 0 / 0	[0923] 0 / 0 / 0	PGM2 Radio Panic(- or + trigger)
	PGM3	[0930] 0 / 2 / 4	[0931] 2 / 5 / 5	[0932] 0 / 0 / 0	[0933] 0 / 0 / 0	PGM3 Radio Burglary(- or + trigger)
	PGM4	[0940] 0 / 6 / 4	[0941] 2 / 5 / 5	[0942] 0 / 0 / 0	[0943] 0 / 0 / 0	PGM4 Radio Open/Close(- or + trigger)
	PGM5	[0950] / / /	[0951] / / /	[0952] / / /	[0953] / / /	PGM5 Onboard Relay
PGM Deactivation OFF	PGM1	[0914] / / /	[0915] / / /	[0916] / / /	[0917] / / /	NB! Change Jumper (JP1) position for + or - trip for PGMs 2, 3 and 4
	PGM2	[0924] / / /	[0925] / / /	[0926] / / /	[0927] / / /	
	PGM3	[0934] / / /	[0935] / / /	[0936] / / /	[0937] / / /	
	PGM4	[0944] / / /	[0945] / / /	[0946] / / /	[0947] / / /	
	PGM5	[0954] / / /	[0955] / / /	[0956] / / /	[0957] / / /	

Event Group	Event	Feature Group	Feature	Start #	End #
023	Zone Bypassed	000 255 = any Zone #	Zone Numbers	001 to 192	001 to 192
024	Zone in Alarm			001 to 192	001 to 192
025	Fire Alarm			001 to 192	001 to 192

Check the PGM Programming list from page 22 to 27

Note! For Panic and Burglary Radio triggers you need PGMs to pulse, thus PGM 2 and 3 need to follow the PGM Timer and not the Deactivation Event. Go to sections [0929] and [0939] and turn Option 1 ON for each Section.

Section	Data
PGM1 Delay [0918]	/ / / (001 to 255 x 1 sec./mins.)
PGM2 Delay [0928]	0 / 0 / 2 (001 to 255 x 1 sec./mins.)
PGM3 Delay [0938]	0 / 0 / 2 (001 to 255 x 1 sec./mins.)
PGM4 Delay [0948]	/ / / (001 to 255 x 1 sec./mins.)
PGM5 Delay [0958]	/ / / (001 to 255 x 1 sec./mins.)

PGM Options

Option	(= Default Setting)	PGM1 [0919]		PGM2 [0929]		PGM3 [0939]		PGM4 [0949]		PGM5 [0959]	
		OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON
[1]	PGM Deactivation After (OFF = Deactivation Event; ON = PGM Timer)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
[2]	PGM Base Time (OFF = Seconds; ON = Minutes)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Other Programming

Setting the Time and Date:

- 1) Enter the [Master Code] (default-1234)
- 2) Press the [TBL] key
- 3) Press the [8] key
- 4) Enter the Time and Date.

Changing the Installer Code

- 1) Press and hold the [0] key
- 2) Enter your [Installer Code] (default-000000)
- 3) Enter section [1000]
- 4) Enter the new Installer Code

Useful Sections

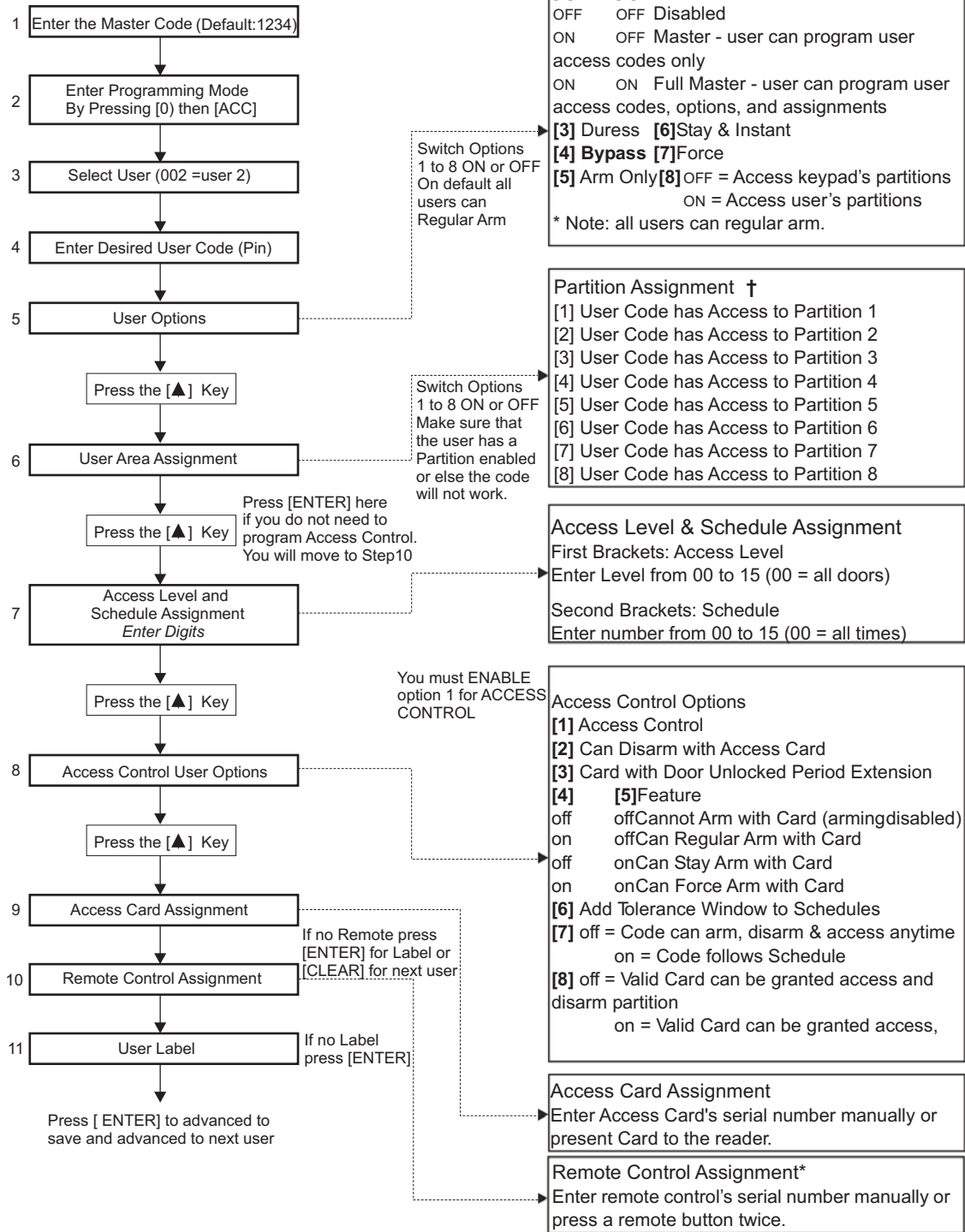
- [4000] - Displays the serial numbers of Panel and all Modules connected to the panel, use [] and [] to scroll.
- [4001] - Reset a module's programming by entering its serial number.
- [4002] - Locate/Unlocate a module by entering the serial number the module's Locate LED will flash.
- [4003] - Module Programming Mode, by entering the serial number of a module one can program the module.
- [4004] - Module data broadcasting can be done from here. First enter the source module's serial number then the other same type and version modules serial number/s. Press [ACC] to start transfer.
- [4005] - Quick module scanning will erase any module removed from panel from its memory.
- [4006] - Module Scanning that is the same as above, but you can add modules newly connected to the bus.

Installer Function Keys

To access the installer functions, press and hold the [0] key, enter the [INSTALLER CODE], and then press the KEY below:

- [STAY] **Test Report:** Sends the "Test Report" report code programmed in section [3902] to the monitoring station.
- [FORCE] **Call WinLoad Software:** Will dial the PC telephone number programmed in section [3010] in order to initiate communication with a computer using the WinLoad software.
- [ARM] **Answer WinLoad Software:** Will force the control panel to answer a call made by the Monitoring Station that is using the WinLoad software.
- [DISARM] **Cancel Communication:** Cancels all communication with the WinLoad software or with the Monitoring Station until the next reportable event.
- [MEM] **Installer Test Mode:** The installer test mode will allow you to perform walk tests where the bell or siren will squawk to indicate opened zones. Press the [MEM] button again to exit. Partitions cannot be armed if the Installer Test Mode is enabled.
- [TRBL] **Start Module Scan:** The keypad will display the serial number of each module on the combus.
- [ACC] **Combust Voltmeter:** To verify if the combust is supplying sufficient power, press and hold the [0] key, enter the [INSTALLER CODE] and press the [ACC] button. A reading of 12.3V or lower at the panel's service keypad connector indicates that the voltage is too low. The voltage may drop during the control panel battery test.

User Code Programming



Access Control (For ACCESS modules and READERS)

Programming Overview:

Steps 1, 2 and 6 are the MINIMUM requirement to program Access Control:

1. Enable Access Control in section [3038] option [1].
2. Assign the Doors in sections [2201] to [2232] by entering the DGP-ACM12 or access keypad's serial number for each door.
3. Optional: Create up to 15 Access Levels in sections [2601] to [2615]. Assign certain combinations of doors to a level or levels 01 to 15. These Access Levels could then be assigned to Users in User Code Programming(Step 7: Default = 00 = User have access to all doors).
4. Optional: Create up to 32 Access Schedules in sections [2401] to [2432]. Assign different time periods for access next to each schedule. These schedules could then be assigned to Users in the User Code Programming(Step 7: Default = 00 = User have access at all times).
5. Optional: Enter Holidays in sections [2710] to [2712], which will disallow access o those days unless (H) is selected next to the user's Level.
6. Program the User Codes(Pg.12 User manual or above in this guide steps 7 to 9).

NB! The Access module is set to Partition 1 on default. To change this enter Module Programming (section [4003] Pg.3 in this guide) and change this in section [001] .