

Process Group Programming

Each Zone in an Area must be assigned a Process Group which will determine the manner in which that Zone will be handled in that particular Area and what processing will take place. There are 12 default Process Groups already programmed within the Concept system. These Process Groups will accommodate most common Zone Input programming requirements. Customised Process Groups may however be added if required. **The procedure to reset Process Group Programming to the factory default is explained in more detail at the end of this chapter.**

Process Group Defaults

Number	1	2	3	4	5	9	10	11	12	13	14	15
Name	Burg.	Burg. Delay	Burg. Primary	Local Silent	Fire Zone	System Tamper	System Silent	System LAN	System Local	Access Local	Access Alarm	Access Silent
Time Zone												
Alternate Group												
Input Type:												
Tamper	y	y	y	y	y	y						
Alarm	y	y	y	y	y		y	y	y	y	y	y
Entry		y	y									
Exit		y	y									
Pulse Count												
Primary Entry			y									
Latch Input												
Single Pulse												
Comms:												
Isolate	y	y	y		y	y	y	y				y
Tamper	y	y	y		y	y						
Alarm	y	y	y		y		y	y				y
Restore	y	y	y		y	y	y	y				y
Entry												
Exit												
Unseal Restore												
Single Hit												
CID Message	0	0	0	0	0	0	0	0	0	0	0	0
4+2 Pulse Mess.	0	0	0	0	0	0	0	0	0	0	0	0
Area Auxiliaries:												
Tamper	y	y	y	y	y	y						
Alarm 1	y	y	y	y	y			y			y	y
Alarm 2												
Alarm 3												
Alarm 4												
Isolate												
Siren Tones:												
Alarm	Sweep	Sweep	Sweep		Evac.			Sweep			Sweep	
Tamper	Sweep	Sweep	Sweep		Sweep	Sweep						
Siren Lockout	y	y	y			y		y			y	
Siren Re-Trigger												
LCD Terminal Message Types	1	1	1	1	1	1	1	1	1	1	1	1
H aux Seal opt												
H aux Alm opt												
H aux Tamp opt												
Home Aux Opts:												
Override Time												
Minute timer												
Extra Options:												
Refresh Only												
No Refresh												
Lift Buttons												
Home Aux Time												

Process Group to alter: 001

This screen allows the Installer to jump to a particular Process Group to alter, or search for a particular Process Group by name.

Find Pro. Grp ^ BURGLARY

PG001 name BURGLARY

This screen allows an optional name to be assigned to this Process Group, up to 16 characters long. It is recommended that Process Groups names be programmed for easy identification. This will simplify Area programming, where Process Groups are allocated to every Zone that is included in an Area.

PG001 T.Zone -> WEEKDAY

This screen allows an optional TimeZone to be “attached” to this Process Group. When a TimeZone is “attached”, the Process Group is only valid when the Time Zone is valid. When the TimeZone is invalid the Process Group options are considered to be invalid OR the Process Group specified below will be used instead, if programmed. To select a TimeZone press the > key to scroll through all the available TimeZones alphabetically. Press the OFF key if you wish no TimeZone control of this Process Group. (The ON key may be used to change modes to allow a TimeZone to be selected by number if desired).

PG001 TimeZone TZ001

PG001 Alt. Grp-> SILENT

This screen specifies what Process Group will be used instead of this Process Group when an “attached” TimeZone is invalid. Note that if no alternative Process Group is specified and if the TimeZone is invalid, all options for the Process Group are also considered invalid.

PG001 Alt. Group PG002

PG001 TAEXUPLS Type -> nnnYnnnn

This screen determines the general type of the input / Zone when it is assigned to this Process Group.

T	Tampers recognised	If “Y” then Tampers will be recognised for Zones/Inputs assigned this Process Group in an Area. Note that the 24 Hour processing needs to be turned ON for an Area that you wish to process tamper alarms.
A	Alarms Recognised	If “Y” then Alarms will be recognised for the Zones/Inputs assigned this Process Group in an Area if the Area is currently ON.
E	Entry Zone	If “Y” then this Zone/Input is an Entry Zone/Input. This means that the alarm processing (not tamper) will be deferred by the entry timer as long as the entry timer is currently running. If the Area is turned OFF prior to the expiration of the entry timer, the alarm processing will be cancelled.
X	Exit Zone	If “Y” then this Zone/Input is an Exit Zone/Input. This means that alarms (not tampers) will be ignored during the exit delay, although alarm activity will be logged in review. Note that an alarm on a Zone/Input during exit delay that has not been flagged as an exit Zone will be processed immediately.
U	Pulse Count Zone	If “Y” then this Zone/Input is a Pulse count Zone/Input. This means that alarms will only be processed on this Zone/Input if a number of alarms have occurred within a particular time window. The number of alarms and the time window are individually programmable on a per Area basis.
P	Primary Entry Zone	If “Y” then this Zone/Input is a Primary entry Zone/Input. This means that if this is also an entry Zone/Input (“E” option set to “Y” above) then this Zone/Input is capable of starting the entry timer.

- L

Latch Input

If this option is set, the input can only report a single alarm, tamper or isolate until the latch input has been reset via a code entry. The latched input can only be cleared if the input is sealed. When the latched input is cleared, a restore will be generated.
- S

Single Pulse Input

If “Y” then this Zone/Input is a Single Pulse Input. If a zone is processed with the “Pulse Count” option above set to Yes AND this option is set to Yes, then only 1 pulse will be accepted from this zone during any pulse period. Eg. With a pulse count of 3 and all zones processed with the “S” option, then 3 different zones need to be “pulsed” to create an alarm. Ie. The alarm will only be reported when the Area registers an alarm from 3 different zones within a pulse period. This feature is good for false alarm rejection where necessary.

PG001ITAREXUS

Comms -> nnnnnnnn

This screen determines what type of events will be reported for Zones/Inputs when they are assigned this Process Group.

- I

Isolations

If “Y” then Isolations for Zones/Inputs assigned this Process Group will trigger a report to a Comms Task for subsequent reporting to a Central Station.
- T

Tampers

If “Y” then Tampers for Zones/Inputs assigned this Process Group will trigger a report to a Comms Task for subsequent reporting to a Central Station.
- A

Alarms

If “Y” then Alarms for Zones/Inputs assigned this Process Group will trigger a report to a Comms Task for subsequent reporting to a Central Station.
- R

Restores

If “Y” then Restores for Zones/Inputs assigned this Process Group will trigger a report to a Comms Task for subsequent reporting to a Central Station.
- E

Entry alarms

If “Y” then alarms occurring during entry delay for Zones/Inputs assigned this Process Group will trigger a report to a Comms Task for subsequent reporting to a Central Station. Other alarm processing such as turning on sirens will remain deferred.
- X

Exit alarms

If “Y” then alarms occurring during exit delay for Zones/Inputs assigned this Process Group will trigger a report to a Comms Task for subsequent reporting to a Central Station.
- U

Unseal restores

If “Y” then Restores will be sent for all Unsealed Zones/Inputs assigned this Process Group on an Area opening. (Restores would normally only be sent if the zone is sealed).
- S

Single Hit

If “Y” then only up to 3 transmit entries will be saved for the Input during each period that the Area is armed. Entries are saved in the order alarm, tamper and isolate. This prevents multiple breaks being reported to the Central Monitoring Station. (Previously, in V1 and V2, this was an option under CommsTasks).

PG001Contact

ID Msg: 000

This screen determines what Contact ID message will be used whenever Zones/Inputs with this Process Group are reported via the Ademco Contact ID format. For more information, refer to the section on Contact ID.

PG0014+2 Pulse

Msg: 00

This screen allows the Installer to enter the 4+2 Pulse format code for this process group. Decimal or Hex digits may be used but Installers should first check the compatibility of such codes with the specific Central Station.

PG001 T1234I . .
Auxes-> nnnnnnnn

This screen determines what Area Auxiliaries will be triggered for Zone/Inputs that are assigned this Process Group.

T	Tamper	If “Y” then the Area Tamper Auxiliary (see Area programming) will be turned on if a tamper occurs on Zones/Inputs assigned this Process Group in an Area.
1	Alarm 1 Auxiliary	If “Y” then the Area Alarm 1 Auxiliary (see Area Programming) will be turned on if an alarm occurs on Zones/Inputs assigned this Process Group in an Area.
2	Alarm 2 Auxiliary	If “Y” then the Area Alarm 2 Auxiliary (see Area Programming) will be turned on if an alarm occurs on Zones/Inputs assigned this Process Group in an Area and will turn off when those inputs are sealed.
3	Alarm 3 Auxiliary	If “Y” then the Area Alarm 3 Auxiliary (see Area Programming) will be turned on if an alarm occurs on Zones/Inputs assigned this Process Group in an Area.
4	Alarm 4 Auxiliary	If “Y” then the Area Alarm 4 Auxiliary (see Area Programming) will be turned on if an alarm occurs on Zones/Inputs assigned this Process Group in an Area.
I	Isolate Auxiliary	If “Y” then the Area Isolate Auxiliary (see Area Programming) will be turned on if an isolate occurs on Zones/Inputs assigned this Process Group in an Area and will turn off when all inputs are de-isolated.
.	Spare	This option is not used at this time.

PG001 Alm. Sir->
tone: Bell

This screen determines what type of siren tone to use when an alarm occurs on a Zone/Input assigned this Process Group in an Area.

Tone	Description
None	Zones/Inputs allocated this Process Group will not activate Sirens when an alarm occurs.
Bell	Sound a “school bell” type sound
Sweep	Sound a burglary “sweeping frequency” type sound
Fire	Sound a 2 tone type sound
Evac	Sound an “evacuation” type sound

Note: If the Siren is already sounding and another tone is requested then an implied priority scheme exists. The tone will only change if the new tone is a higher priority than the current tone. Evacuation is the highest priority and bell is the lowest priority.

PG001 Tam. Sir->
tone: Bell

This screen determines what type of siren tone to use when a tamper occurs on a Zone/Input assigned this Process Group in an Area.

Tone	Description
None	Zones/Inputs allocated this Process Group will not activate Sirens when a tamper occurs.
Bell	Sound a “school bell” type sound
Sweep	Sound a burglary “sweeping frequency” type sound
Fire	Sound a 2 tone type sound
Evac	Sound an “evacuation” type sound

Note: If the Siren is already sounding and another tone is requested then an implied priority scheme exists. The tone will only change if the new tone is a higher priority than the current tone. Evacuation is the highest priority and bell is the lowest priority.

PG001 Siren
Lockout ? n

This screen determines whether Zones/Inputs that are assigned this Process Group and have started a siren, will be automatically isolated at the end of the siren time. Any Zones/Inputs isolated by this Siren Lockout function will be de-isolated when the Area is turned off, or can be de-isolated manually if desired.

PG001 Siren
Re-Trigger ? n

This option allows siren zones to **re-start** the siren timer, even when the siren timer is already running. This option allows a dummy Area to be easily adapted to monitor movement activity. Whenever movement is detected in the Area, the zones re-trigger the siren timer and turn on the siren auxiliary.

This feature may be utilised in a similar fashion with NO sirens connected. When movement ceases for a time exceeding the pre-programmed siren time, the siren auxiliary turns off. The siren auxiliary can be used to arm Areas, control air-conditioned Areas, turn lights on/off, etc.

PG001 12345678
Msgs-> YnYnnnnn

This option determines if LCD Terminal messages will be generated by alarms/tampers on Zones/Inputs assigned this Process Group in an Area. Terminals can be individually programmed as to what message numbers to display. In the example on the left messages generated by this Process Group will be type 1 and 3. Only Terminals which have their type 1 OR type 3 message screens set to yes will accept messages from this Process Group.

Home Auxiliaries for Zones

A new option in Input Programming allows a nominated home auxiliary to be assigned to a particular zone. The following Process Group screens define how the state of the zone will control the home auxiliary.

**PG001 Haux on ->
Seal: None**

This option determines how the home auxiliary will be controlled when the zone seals.

None

This input state will have no effect on the home auxiliary.

Turn On

When the zone changes to this state, the home auxiliary will turn On

Turn Off

When the zone changes to this state, the home auxiliary will turn Off

Toggle

When the zone changes to this state, the home auxiliary will toggle

**PG001 Haux on ->
Alarm: None**

This option determines how the home auxiliary will be controlled when the zone goes into alarm.

None

This input state will have no effect on the home auxiliary.

Turn On

When the zone changes to this state, the home auxiliary will turn On

Turn Off

When the zone changes to this state, the home auxiliary will turn Off

Toggle

When the zone changes to this state, the home auxiliary will toggle

**PG001 Haux on ->
Tamper: None**

This option determines how the home auxiliary will be controlled when the zone goes into tamper condition.

None

This input state will have no effect on the home auxiliary.

Turn On

When the zone changes to this state, the home auxiliary will turn On

Turn Off

When the zone changes to this state, the home auxiliary will turn Off

Toggle

When the zone changes to this state, the home auxiliary will toggle

**PG001 Haux OM
Options -> nn**

This screen allows the installer to programme the timer option for home auxiliary control.

Do not use the timer options if the Home Auxiliary controls an Auxiliary List. If timing is required in such cases, use Auxiliary Timers [MENU 5,5].

O Override Time

If set to "Y", the timing parameters associated with this function will override any existing timing condition that is currently running on the auxiliary.

M Minute Timer

If set to "Y", the time period specified in the following screen will be in minutes. If left as "n", the time will be in seconds.

PG001 RN L
XOpts-> nnnnnnnn

This screen allows the Installer to set some extra Process Group Options.

- | | | |
|---|-----------------|--|
| R | Refresh | If set to “Y”, Zones assigned this Process Group are unable to turn Auxiliaries On, but they are able to refresh the Auxiliary’s current state by restarting a Auxiliary Timers. |
| N | No Refresh | If set to “Y”, Zones assigned this Process Group are unable to restart Auxiliary Timers. |
| L | Lift Processing | This option must be set to “Y” if this Zone is used for Lift button feedback. |
| . | Spare | This option is not used at this time. |

PG001 Haux Aux
Time 000 sec/min

This screen allows the home auxiliary action to be timed. To enable the timer option, programme the time period in seconds or minutes. To disable the timer option, ensure the time period is set to 000.

IMPORTANT NOTE: Do not use the timer options if the Home Auxiliary controls an Auxiliary List. If timing is required in such cases, use Auxiliary Timers [MENU 5,5].

Process Group Defaulting

Two options are available by which to default Process Group Programming to factory settings. These are explained below:

**Process Group to
alter: PG001**

At the first Process Group Programming screen press HELP, "9".

**P.Grp. Default ->
Don't Default**

This screen is then displayed. Available defaulting options are viewed by pressing the right Arrow Key. To make a selection, press the OK Key.

Don't Default

Selecting this option will abort the procedure.

Clear All

Selecting this option will reset the following Process Groups:

PG001	BURGLARY
PG002	BURGLARY DELAYED
PG003	BURGLARY PRIMARY
PG004	LOCAL SILENT
PG005	FIRE ZONE
PG009	SYSTEM TAMPER
PG010	SYSTEM SILENT
PG011	SYSTEM LAN
PG012	SYSTEM LOCAL
PG013	ACCESS LOCAL
PG014	ACCESS ALARM
PG015	ACCESS SILENT

In addition, this option will delete all other Process Groups, if present.

Standard

Selecting this option will reset the following Process Groups:

PG001	BURGLARY
PG002	BURGLARY DELAYED
PG003	BURGLARY PRIMARY
PG004	LOCAL SILENT
PG005	FIRE ZONE
PG009	SYSTEM TAMPER
PG010	SYSTEM SILENT
PG011	SYSTEM LAN
PG012	SYSTEM LOCAL
PG013	ACCESS LOCAL
PG014	ACCESS ALARM
PG015	ACCESS SILENT

This option will make no alterations to any other Process Groups, if present.

**Push '9' key to
Confirm Default**

The confirmation screen is displayed. Press the "9" Key to confirm your selection.

**Default
Done**

The default procedure is confirmed.