

IRIS 8+

Installers Manual



IRIS8+/ICON8V6
version 7.53
2011

New Features

Hardware changes

Programable PGM output
Technician service keypad connector
dual 12volt output terminals
seperate non monitored box tamper input
seperate full and partial arm keyswitch inputs
optional plug on Radio receiver
Optional plug on GSM dialler module
Default pins
3 x seperate auto resettable electronics fuses
PSTN line fault monitoring

Function that have been changed

Function 47 panic is disabled by default (new police requirement)
Function 67 new options 5 and 6 are for GSM reporting
Function 69 new options to enable more frequent test reports
Function 89 Single digit arming now sends CID quick arm code 408
Function 91 options 1 and 2 now flashes strobe as well
Function 93 the new keyswitch input can now be individually programmed

New Functions

Function 72 line fail reporting options
Function 78 AC fail reporting options
Function 78 Strobe timeout options
Function 80 options to setup PGM (programable output) for example
kiss off, line fail, report fail,
keyfob button 3, keyfob button 4,
chime output, sms output control.

INPUTS

| | |
|----------------|---|
| Inputs 1 to 8 | Are 10K monitored inputs, with a response time of over 300 ms. Alarm triggers siren, strobe and dialler (depending on setup). Are armed in the on or partial mode (depending on partial setup). May be programmed to have exit / entry, exit / handover delays or may be programmed for 24 hour operation. |
| Tamper | a non monitored input for the box tamper... Note ..the Link next to the Tamper input is connected accross the Tamper input and can be used to bypass this input if not used. |
| Keyswitch Part | a non monitored input that can be used to connect to a radio receiver to Partial Arm the system |
| Keyswitch Full | a non monitored input that can be used to connect to a radio receiver to Fully Arm the system |
| 16 VAC | For the connection of a 16 vac 1.5 amp plug pack. |

OUTPUTS

| | |
|------------------------|--|
| Aux 12V | This 12v dc is for detectors, etc. The output is via the INT PTC Resettable fuse. Between up to 1.1A can be delivered to load depending on other loads, eg. siren, strobe. The new onboard switching regulator is rated at 1.5 amp and of this, the battery can take up to 200mA depending on the state of charge. One strobe requires 250mA and each speaker 200mA. The panel itself, in a non alarm state with one keypad connected, draws 150mA approx. |
| Batt | This output is connected to the on-board regulator via a resistor which limits the charge current. Charging voltage to approx 13.7v |
| Bell1 | Output (timed) to DC screamers, fused via INT PTC fuse. May also be programmed (via Function 91) as armed, 24 hr alarm, bell or to power to latching smoke detectors. These then can be reset by User Code , Test 6. |
| Bell2 | Output (timed) to drive DC screamers, fused via INT electronic auto resetable PTC fuse. This bell2 output is not programmable other than Bell Time (Function 42) It is fixed as a bell output. |
| Ext stb | 12v dc output to drive a 12v dc strobe, fused via EXT PTC fuse. |
| Ext sir | Timed Output to drive 1 x 8 ohm speaker rated at 10 watts, fused via EXT PTC fuse. |
| PGM | PGM Open Collector 100mA output protected via a 100R resistor. Switches to ground when activated. See function 80 to select the use of this output. |
| Telecom Line socket | This is connected to the Exchange line, via the Telecom lead which is supplied with the unit. The Telecom lead uses pins 2 & 6 of the Telecom socket for the incoming line and pins 1 & 5 connect to the telephone in a MODE 3 arrangement. ACMA Supplier Reference Number N3295. |
| Keypad | These 4 terminals connect to the REMOTE KEYPADS. |
| + | The terminal marked + connects to the + terminal on the keypad |
| C | The terminal marked C connects to the C on the keypads |
| D | The terminal marked D connects to the D on the keypads |
| - | The terminal marked - connects to the - on the keypads |
| Service Keypad | a connector that allows technician to program directly with plugon keypad connector follows keypad layout... + C D - |

Indicators on the PCB

| | |
|----------------|---|
| Run | This LED indicates that the micro-controller is operating and must always be flickering. |
| Dial | This LED, located adjacent to the dial relay, will light when the dialler is in its reporting sequence (line looped) and will extinguish when reporting is completed. |
| PGM | This LED indicates when the PGM output is active for an event as per the programming of Function 80 |
| INT, EXT & AUX | These LEDs indicate there is power available on respective outputs, when one of these LEDs are out, there may be a short on the relevant output |

Initialization - FACTORY DEFAULT

There are 3 ways to initialize the panel to factory defaults

1. Enter program mode and use Function 90
2. Power the panel up with any button pressed on the keyboard for 3 seconds.
3. Power the panel up with the default pins shorted on the PCB (do not leave link across default pins)

On power up

On power up the unit performs an internal self test of its EEPROM and then boots with this program. If the EEPROM is found to have been corrupted in some way then the factory defaults will be reloaded indicated by 5 beeps from the keypad.

If the EEPROM is correct then the panel will power up in the mode determined by Function 98 (Status on power up).

If Function 98 is 0 (Do not retain the On /Off status) the unit starts off in OFF mode and the sirens may operate for half a second.

If Function 98 is 1 (Retain On/Off status) and the unit was armed when power was interrupted, then when power is restored, the unit will allow a settling time of 60 secs and attempt to re-arm. Sectors unsealed after the settling time will be automatically isolated and will be reported as such. After the 60 seconds settling time the unit will dial through a mains fail restore, a low battery restore and the current status of the panel with user code 31.

Dialling sequence

The dialling sequence from start to finish consists of 6 dialling attempts.

The first 3 dialling attempts to the first phone number (with a 20 second pause waiting for handshake) before dialling next attempt.

If after the 3 attempts no handshake is received then the dialler will release the line for 5 minutes.

The dialler will then make 3 attempts to the second phone number (if no second number has been programmed then the first number will be tried again).

If after these 3 attempts handshake is still not received the dialler will hang up until another condition causes it to dial, at which time the previous condition will also be reported. The PGM output will trigger if Function 80 option 5 is selected.

The STATUS LED on the keypad will turn on during the sequence until it has completed, this includes during the 5 minute wait period.

PROGRAM READBACK

With the full range of panels there are basically two methods of reading back information that has previously been programmed. The first method allows information that is serial in format to be read sequentially ie. phone numbers, while the second method allows all selections to be seen at once ie. sectors assigned as E/E. These are explained below.

SEQUENTIAL READBACK

Whilst in **PROGRAM** mode, if an option is entered followed by the **TEST** key then that options setting will be read back using the LEDs on the programmer as follows :

| " LED " | " INDICATES DIGIT " |
|-----------|---------------------|
| 1 | 1 |
| 2 | 2 |
| 3 | 3 |
| 4 | 4 |
| 5 | 5 |
| 6 | 6 |
| 7 | 7 |
| 8 | 8 |
| Partial | 9 |
| On | 0 |
| Auxiliary | Pause |

Example

For this example Function 60 is already programmed as **0199**

If you wish to check Function 60

Enter the function number **6 0** followed by the **TEST** key.
(whilst in program mode)

ON LED will light accompanied by a beep (digit 0)
Then number **1** LED accompanied by a beep (digit 1)
Then **PARTIAL** LED accompanied by a beep (digit 9)
Then another beep with **PARTIAL** LED still lit (digit 9)
Then beep beep and the **PROGRAM** LED flashing again
(test completed ready for next function).

PARALLEL READBACK

For Functions 31 - 36, 49, 50, 51, 52, 55, 56, 61, 76, 82.

When the function number is entered the previously selected sections will flash. If at this point the **On** button is depressed no changes will be made and the program LED will be flashing again.

To de-select a section re-enter that section number and the section LED will extinguish.

ENTERING PROGRAM MODE

There are two codes that will allow access to the product range of panels for programming. The technician code that will allow access to all programmable functions and the master user code which allows access only to user code programming. Either code can **only** be used in the OFF mode and since the operation of both codes is similar, only the technician code will be discussed.

DEFAULTING THE PANEL

If the technician and master codes are not known the only way to enter program mode is to default the panel so the factory preset codes may be used. This is accomplished by removing power from the panel and then reapplying power with **ANY** key on the keypad pressed for three seconds. This will restore the factory technician and master codes which are **2 1 8 0 6 7** and **2 1 8 5 7 2** respectively and all other settings to default and will be indicated by **five** beeps from the Keypad.

NOTE : Defaulting the panel will reset **ALL** functions to the factory presets.

ENTERING PROGRAM MODE

To enter the program mode the following sequence is entered :

2 1 8 0 6 7 - On (Enter technician code and press the On key)

At this point the Program LED will begin flashing to indicate that you are in program mode and the required function number may now be entered. If an error was made in entering the code or an incorrect code used, the keypad will give a long error beep after which you may try again function number again. Program mode will auto exit in approx 10mins.

Assuming we are in program mode the following examples will show how functions are programmed or changed.

Example 1

To program or change the primary phone number (Function 64) to 02 - pause - 1234567. With the program LED flashing enter the following :

| | |
|----------------------|---|
| 6 4 | (Select Function 64. Program LED will light steady.) |
| 0 2 | (First two digits of phone number.) |
| partial | (Pressing partial key = 1 second pause.) |
| 1 2 3 4 5 6 7 | (Remainder of phone number.) |
| On | (Stores phone number. Program LED will flash.) |

At this point the installer can either program further options or leave the program mode by pressing the 'off' key.

Example 2

Program sectors 1 and 8 to be entry/exit sectors (Function 49). With the programming LED again flashing enter the following :

| | |
|----------------|---|
| 4 9 | (Select Function 49. Program LED will light steady.) |
| 0 1 0 8 | (Enter sectors 1 (01) and 8 (08) LEDs will flash.) |
| On | (store information and exit function 49.) |
| Off | (Exit program mode. Program LED will extinguish.) |

Control Panel Functions

| Funct # | Function | Defaults | |
|---------|----------------------------------|----------------|--|
| 00 | Master Code | 218572 | |
| 01 | User code 1 | 1111 | |
| 02-30 | User code 2 to User code 30 | Nil | |
| 40 | Exit time | 60 secs | |
| 41 | Entry time | 30 secs | |
| 42 | Siren time | 5 min | |
| 43 | Partial Mode isolates | Nil | |
| 47 | Keypad Panic audible | Disabled | |
| 49 | Exit and Entry sections | Sections 1 + 2 | |
| 50 | Exit and Handover sections | Nil | |
| 51 | Partial Exit / Handover sections | Nil | |
| 52 | 24 hour inputs | Nil | |
| 54 | Disable sirens on first keypress | Enabled | |
| 55 | Silent sections | Nil | |

Communications Functions

| | | | |
|----|-------------------------------|--------------|--|
| 60 | Account number | Nil | |
| 61 | Down - Load phone number | Nil | |
| 63 | Open / Close reports | Enabled | |
| 64 | Phone number one | Nil | |
| 65 | Phone number two | Nil | |
| 66 | Dial method | DTMF (tone) | |
| 67 | Reporting format | Contact I.D. | |
| 68 | Report restorals | Enabled | |
| 69 | No. days between test reports | 7days | |
| 70 | Checksum reporting | Enabled | |
| 71 | Report isolates | Enabled | |
| 72 | Report line fail | Disabled | |
| 73 | Delay till first test report | 12 Hours | |
| 74 | Keypad Duress On / Off | Disabled | |
| 75 | Auto - Isolation | Disabled | |
| 75 | Multi - break sectors | Nil | |
| 77 | Report AC mains fail | Enabled | |
| 78 | Strobe timeout | Disabled | |
| 89 | Single digit arming | Nil | |

Special Functions

| | | | |
|----|----------------------------------|------------------|--|
| 80 | PGM Programmable output | Disabled | |
| 81 | RF module enable | Nil | |
| 82 | RF Keyfob programming | Nil | |
| 83 | RF Keyfob isolate | Nil | |
| 84 | Chime sections | NA | |
| 90 | Default to factory | Normal Bell | |
| 91 | Bell output type | Control dialler | |
| 92 | Control dialler/Slave dialler | Disabled | |
| 93 | Keyswitch option | Medium | |
| 94 | Siren speed | Disabled | |
| 95 | Arming lockout | Master/Tech Code | |
| 96 | Download configuration | Disabled | |
| 98 | Rearm enable- status on power up | Disabled | |
| 99 | Technician code | 218067 | |

Function 40 - Exit Time

Default - 60 seconds

Description :

This function sets the time that sectors allocated as entry/exit (Function 49), exit handover (Function 50) or partial exit/entry (Function 51) will allow for exit.

Options - (Single digit entry required)

| | |
|----------------|----------------|
| 0 - 0 seconds | 5 - 50 seconds |
| 1 - 10 seconds | 6 - 60 seconds |
| 2 - 20 seconds | 7 - 70 seconds |
| 3 - 30 seconds | 8 - 80 seconds |
| 4 - 40 seconds | 9 - 90 seconds |

Example : While in program mode (Program LED flashing)

| Key Sequence | Operation |
|--------------|--------------------------------|
| 40 - | Enter Function No. |
| 5 - | Enter Option (5 = 50 seconds) |
| on - | Store Entry |

Installer may now exit program mode by pressing the OFF button or continue programming by entering a new function number

Function 41 - Entry Time

Default - 30 seconds

Description :

This function sets the time that sectors allocated as entry/exit (Function 49), exit handover (Function 50) or partial exit/entry (Function 51) will allow for entry.

Options - (Single digit entry required)

| | |
|----------------|----------------|
| 0 - 0 seconds | 5 - 50 seconds |
| 1 - 10 seconds | 6 - 60 seconds |
| 2 - 20 seconds | 7 - 70 seconds |
| 3 - 30 seconds | 8 - 80 seconds |
| 4 - 40 seconds | 9 - 90 seconds |

Notes :

Handover sectors will only have entry time if an exit/entry sector has been triggered first

Example : While in program mode (Program LED flashing)

| Key Sequence | Operation |
|--------------|-------------------------------|
| 41 - | Enter Function No. |
| 3 - | Enter Option (3 = 30 seconds) |
| on - | Store Entry |

Installer may now exit program mode by pressing the OFF button or continue programming.

Function 42 - Siren Time

Default - 5 minutes

Description :

This function sets the maximum time for which the internal, external and satellite sirens and bell output will operate.

Options - (Single digit entry required)

| | |
|----------------|------------------|
| 0 - 0 seconds | 5 - 2 min 40 sec |
| 1 - 10 seconds | 6 - 5 min |
| 2 - 20 seconds | 7 - 10 min |
| 3 - 40 seconds | 8 - 21 min |
| 4 - 80 seconds | 9 - 42 min |

Notes:

Australian Standards AS 2201 limit the sirens to be triggered only once per section unless manually re-armed. Noise pollution regulations in limit siren time to 5 minutes.

Example : While in program mode (Program LED flashing)

| Key Sequence | Operation |
|--------------|------------------------------|
| 42 - | Enter Function No. |
| 6 - | Enter Option (6 = 5 minutes) |
| on - | Store Entry |

Installer may now exit program mode by pressing the OFF button or continue programming

Function 43 - Partial Mode

Default - No sections programmed.

Description :

Partial mode sets up a preprogrammed list of sections which are automatically isolated when the unit is turned on using the partial key.

Options : (Two digit entry required per sector)

Any sector or combination of sectors from 1 to 8

Example : While in program mode (Program LED flashing)

| Key Sequence | | Operation |
|--------------|---|---|
| 43 | - | Enter Function No. |
| 050708 | - | Enter Options (Sectors 5, 7 & 8 will be isolated) |
| On | - | Store Entry |

Installer may now exit program mode by pressing the OFF button or continue programming by entering a new function number

Function 47 - Keypad & Remote Panic Audible

Default - Disabled

Description :

This function determines whether the keypad panic activation (holding the ON and the OFF keys depressed at the same time for 3 seconds) or keyfob panic activation (holding buttons 1 & 2 on the remote keyfob momentarily) will cause the sirens to sound in addition to reporting to the monitoring company, only report or disabling the panic function.

Options : (Single digit entry required)

0 = Panics disabled (keypad & remote)

1 = Silent Panic (report only)

2 = Audible Panic (Sirens) and report.

Example : While in program mode (Program LED flashing)

| Key Sequence | | Operation |
|--------------|---|----------------------------------|
| 47 | - | Enter Function No. |
| 1 | - | Enter Option (Panics now silent) |
| On | - | Store Entry |

Installer may now exit program mode by pressing the OFF button or continue programming by entering a new function number

Function 49 - Exit/Entry Sections in ON Mode

Default - Sectors 1 & 2

Description :

This function allows the display and or changing of those sections which will have the exit/entry delays defined in Functions 40 and 41.

Options : (Two digit entry required per sector)

Any sector or combination of sectors from 1 to 8

Example : While in program mode (Program LED flashing)

| Key Sequence | | Operation |
|--------------|---|---|
| 49 | - | Enter Function No. |
| 0208 | - | Enter Option (Sector 2 is removed and section 8 is added) |
| On | - | Store Entry |

Installer may now exit program mode by pressing the OFF button or continue programming by entering a new function number.

Function 50 - Exit and Handover Sections in ON Mode Default - non

Description : Options : (Two digit entry required per sector)
Display and / or change which sections will Any sector or combination of sectors from 1 to 8
have exit / handover delay.

Notes : Sectors selected will only have entry time if an exit/entry sector is triggered first.

Example : While in program mode (Program LED flashing)

| Key Sequence | | Operation |
|--------------|---|--|
| 50 | - | Enter Function No. |
| 02 | - | Enter Option (Sector 2 becomes handover) |
| On | - | Store Entry |

Installer may now exit program mode by pressing the OFF button or continue programming by entering a new function number.

Function 51 - Exit / Entry Sections in Partial mode Default none

Description : Options : (Two digit entry required per sector)
Display and change which sections will Any sector or combination of sectors from 1 to 8
have exit / entry delay in Partial mode.

Notes : Sectors programmed in this function are independent of sectors programmed as ON mode exit / entry sectors and only have exit / entry times assigned to them when the panel is turned ON using the Partial key.

Example : While in program mode (Program LED flashing)

| Key Sequence | | Operation |
|--------------|---|--|
| 51 | - | Enter Function No. |
| 03 | - | Enter Option (Sector 3 is now Partial Exit/Entry sector) |
| On | - | Store Entry |

Installer may now exit program mode by pressing the OFF button or continue programming by entering a new function number.

Function 52 - Sections to operate in 24 Hour mode Default - none

Description : Option : (Two digit entry required per sector)
Display and change which sections will Any sector or combination of sectors from 1 to 8
operate as 24 hour inputs.

Example : While in program mode (Program LED flashing)

| Key Sequence | | Operation |
|--------------|---|--|
| 52 | - | Enter Function No. |
| 07 | - | Enter Options (Sector 7 is now active 24hrs) |
| On | - | Store Entry |

Installer may now exit program mode by pressing the OFF button or continue programming by entering a new function number.

Function 54 - Disable Sirens On First Keypress Default - Disabled

Description : Options : (Single digit entry required)
This function determines whether the 0 = Sirens are not disabled on first keypress.
sirens will be silenced for 10 seconds on 1 = Sirens are silenced for 10 secs on the first
the first key press. This allows the audible keypress.
feedback from the keypad to be heard
without the sirens interfering. (Does not
work on keypad panic)

Example : While in program mode (Program LED flashing)

| Key Sequence | | Operation |
|--------------|---|--|
| 54 | - | Enter Function No. |
| 0 | - | Enter Option (0 = Sirens are not silenced) |
| On | - | Store Entry |

Installer may now exit program mode by pressing the OFF button or continue programming by entering a new function number.

Function 55 - Silent Sections

Default - None

Description :
Display and change which sections will operate as Silent Sections ie. they will report to the monitoring company but will not activate the sirens.

Options : (Two digit entry required per sector)
Any sector or combination of sectors from 1 to 8

Example : While in program mode (Program LED flashing)

| Key Sequence | | Operation |
|--------------|---|---------------------------------------|
| 55 | - | Enter Function No. |
| 05 | - | Enter Option (Sector 5 is now silent) |
| 06 | - | Enter Option (Sector 6 is now silent) |
| 07 | - | Enter Option (Sector 7 is now silent) |
| On | - | Store Entry |

Installer may now exit program mode by pressing the OFF button or continue programming by entering a new function number.

Function 60 - Account number

Default - None

Description :
This function is used to enter the account number for transmission to the Central Station.

Options : (Four digit entry required)
Any 4 Digits (Limits 0000 - 9999)

Notes: The dialler will not dial if the account number (Function 60) or phone number 1 (Function 64) is not programmed or the account number is set to 0000. Entering the function number and then pressing the isol + code key will clear entries for Functions 60, 62, 64 and 65.

Example : While in program mode (Program LED flashing)

| Key Sequence | | Operation |
|--------------|---|---|
| 60 | - | Enter Function No. |
| 1234 | - | Enter Option (Account Number is now 1234) |
| On | - | Store Entry |

Installer may now exit program mode by pressing the OFF button or continue programming by entering a new function number.

Function 62 - Download Phone Number

Default - None

Description :
This phone number is used by the panel when downloading is initiated by the MCM Connect downloading software.

Options : (Max of 15 digits)
The phone number may be up to 15 digits long including pauses. Pauses (1 second) may be entered anywhere by pressing the Partial key.

Example : While in program mode (Program LED flashing)

| Key Sequence | | Operation |
|--------------|---|----------------------------------|
| 62 | - | Enter Function No. |
| 02 | - | Enter Area Code |
| part | - | Enter a 1 second Pause |
| 218067 | - | Enter Phone number (047p2180676) |
| On | - | Store Entry |

Installer may now exit program mode by pressing the OFF button or continue programming by entering a new function number.

Function 63 - Open/Close reports - Yes / No.

Default - Send open /close

Description :

Selects whether open / close reports are sent or not.

Options : (Single digit entry required)

- 1 Open / Close sent
- 0 No Open / Close sent.

Example : While in program mode (Program LED flashing)

| Key Sequence | | Operation |
|--------------|---|-------------------------------|
| 63 | - | Enter Function No. |
| 0 | - | Enter Option (0 = no report) |
| On | - | Store Entry |

Installer may now exit program mode by pressing the OFF button or continue programming by entering a new function number.

Function 64 - Phone number 1

Default - None

Description :

This phone number is the first number used by the panel when reporting to the monitoring company.

Options : (Maximum of 15 digits)

The phone number may be up to 15 digits long including pauses. Pauses (1 second) may be entered anywhere by pressing the Partial key.

Example : While in program mode (Program LED flashing)

| Key Sequence | | Operation |
|--------------|---|---|
| 64 | - | Enter Function No. |
| 218572 | - | Enter Option (Phone number 1 is 218572) |
| On | - | Store Entry |

Installer may now exit program mode by pressing the OFF button or continue programming by entering a new function number.

Function 65 - Phone number 2

Default - None

Description :

This phone number is the alternative number used by the panel when reporting to the monitoring company and is only used if the panel fails to report to Phone #1

Options : (Maximum of 15 digits)

The phone number may be up to 15 digits long including pauses. Pauses (1 second) may be entered anywhere by pressing the Partial key.

Example : While in program mode (Program LED flashing)

| Key Sequence | | Operation |
|--------------|---|---|
| 65 | - | Enter Function No. |
| 218067 | - | Enter Option (Phone number 2 is 218067) |
| On | - | Store Entry |

Installer may now exit program mode by pressing the OFF button or continue programming by entering a new function number.

Function 66 - Dialling method

Default - DTMF (tone)

Description :

Selects to dial in DTMF or Decadic

Options : (Single digit entry required)

- 0 Dial in Decadic, (pulse)
- 1 Dial in DTMF, (tone)
- 2 Dial in New Zealand Decadic

Example : While in program mode (Program LED flashing)

| Key Sequence | | Operation |
|--------------|---|---------------------------------|
| 66 | - | Enter Function No. |
| 1 | - | Enter Option (1 = Dial in DTMF) |
| On | - | Store Entry |

Installer may now exit program mode by pressing the OFF button or continue programming by entering a new function number.

Function 67 - Reporting format

Default - Contact I.D. (4)

Description :

This function determines the format the dialler will report in.

Option : (Single digit entry required)

- | | |
|---|---------------------------------------|
| 0 | Normal Reporting (ADEMCO high speed) |
| 1 | Tape Dial (No handshake to start Tx.) |
| 4 | Contact I.D. single account number. |
| 5 | GSM Only (PSTN isn't used) |
| 6 | GSM Backup (PSTN primary) |

Notes:

In GSM only mode, the panel will make 3 attempts on the primary via GSM and 3 attempts on the secondary. There is no 5 minute between primary and secondary attempts during GSM only mode.

In GSM backup mode, the panel will make 3 attempts on the primary via PSTN then 3 attempts on the primary via GSM...If unsuccessful the panel will wait 5 minutes...then make 3 attempts on the secondary via PSTN. then make 3 attempts on the secondary via GSM. If the line has failed during the first dial attempt of the primary it will immediately dial via GSM. If unsuccessful, it will follow the normal dialing sequence for the secondary irrespective of whether the line has failed, and so it will begin dialing via the PSTN. ie the lines ok (PSTN,GSM,PSTN,GSM), if the line has failed (GSM,PSTN,GSM)

When selected Tape Dial mode causes the dialler not to listen for acknowledge tone and starts sending alarm message continuously until 30 second timeout or until a kissoff tone. (In this mode a kissoff tone can be a whistle.) If the whistle is received on the first call it will not continue to dial. In this mode no open/closing report, restores, isolate/de-isolates, mains fail, low battery or 24 hour test messages are sent.

Example : While in program mode (Program LED flashing)

| Key Sequence | | Operation |
|--------------|---|--------------------------------------|
| 67 | - | Enter Function No. |
| 0 | - | Enter Option (0 = ADEMCO high speed) |
| On | - | Store Entry |

Installer may now exit program mode by pressing the OFF button or continue programming by entering a new function number.

Function 68 - Report restorals

Default - Report restorals

Description :

The dialler will normally report when an input is restored to a non alarm condition.

Options : (Single digit entry required)

- | | |
|---|-------------------------|
| 1 | Report restorals |
| 0 | Do not report restorals |

Example : While in program mode (Program LED flashing)

| Key Sequence | | Operation |
|--------------|---|-------------------------------------|
| 68 | - | Enter Function No. |
| 1 | - | Enter Option (1 = Report Restorals) |
| On | - | Store Entry |

Installer may now exit program mode by pressing the OFF button or continue programming by entering a new function number.

Function 69 - Test reports

Default - 7 days

Description :

This function programs the number of 24hr periods between test reports, programming a 0 gives no test reports.

Options : (Single digit entry required)

- | | |
|--------|-------------------|
| 0 to 7 | = period in days |
| 8 | = 4hr test report |
| 9 | = 1hr test report |

Example : While in program mode (Program LED flashing)

| Key Sequence | | Operation |
|--------------|---|---------------------------|
| 69 | - | Enter Function No. |
| 7 | - | Enter Option (7 = 7 days) |
| On | - | Store Entry |

Installer may now exit program mode by pressing the OFF button or continue programming by entering a new function number.

Function 70 - Report Using Checksum Default - Using checksum

Description :
The dialler defaults to use the single round with checksum.
If a 0 is programmed the dialler will report in dual round without checksum.

Options : (Single digit entry required)
1 Report using checksum
0 Do not use checksum in reporting

Note:

Not all base stations can handle reporting with checksum.
This function is applicable to ADEMCO high speed reporting only and not CONTACT ID.

Example : While in program mode (Program LED flashing)

| Key Sequence | Operation |
|--------------|--------------------------------|
| 70 - | Enter Function No. |
| 0 - | Enter Option (0 = no checksum) |
| On - | Store Entry |

Installer may now exit program mode by pressing the OFF button or continue programming by entering a new function number.

Function 71 - Report Isolated Sections Default - Report isolates

Description :
If enabled the control panel will report isolated sections at the end of exit time.

Options : (Single digit entry required)
1 Report isolated sections
0 Do not report isolated sections

Example : While in program mode (Program LED flashing)

| Key Sequence | Operation |
|--------------|--|
| 71 - | Enter Function No. |
| 1 - | Enter Option (1 = report isolated sectors) |
| On - | Store Entry |

Installer may now exit program mode by pressing the OFF button or continue programming by entering a new function number.

Function 73 - Delay till First test report Default - 12 hours

Description :
This sets the delay from when program is exited till the dialler sends its first test report, in multiples of 4 hours.

Options : (Single digit entry required)
0 to 9 = number of 4 hr periods before the first test report.

Example : While in program mode (Program LED flashing)

| Key Sequence | Operation |
|--------------|--------------------------|
| 73 - | Enter Function No. |
| 3 - | Enter Option (3 = 12hrs) |
| On - | Store Entry |

Installer may now exit program mode by pressing the OFF button or continue programming by entering a new function number.

Function 74 - Keyboard Duress On / Off

Default - Duress disabled

Description :

Keyboard duress may be disabled to prevent accidental duress alarms from private residences.

Options : (Single digit entry required)

1 Duress reports enabled
0 Duress reports disabled

Note:

Duress is achieved by adding 1 to the last digit of the user code eg. 1234 becomes 1235, 6789 becomes 6780.

Example : While in program mode (Program LED flashing)

| Key Sequence | | Operation |
|--------------|---|------------------------------------|
| 74 | - | Enter Function No. |
| 1 | - | Enter Option (1 = reports enabled) |
| On | - | Store Entry |

Installer may now exit program mode by pressing the OFF button or continue programming by entering a new function number.

Function 75 - Auto-Isolate On/Off

Default - Auto-Isolate disabled

Description :

Normally if an attempt to arm the panel with a faulted section (other than an exit/entry section) is made the panel will give an error beep. If this option is enabled then faulted sections will be automatically isolated and will be reported as such.

Options : (Single digit entry required)

1 Auto - isolation enabled
0 Auto - isolation disabled

Example : While in program mode (Program LED flashing)

| Key Sequence | | Operation |
|--------------|---|---|
| 75 | - | Enter Function No. |
| 1 | - | Enter Option (1 = auto-isolation enabled) |
| On | - | Store Entry |

Installer may now exit program mode by pressing the OFF button or continue programming by entering a new function number.

Function 76 - Multi-Report (Multi-Break)

Default - None

Description :

Display and change which sections will report input condition changes when armed.

Options : (Two digit entry required per sector)
Any sector or combination of sectors from 1 to 8

Note:

This option will not give multi triggering of sirens to a section but will give multi reporting. The section LED will latch on the first alarm for that section.

Example : While in program mode (Program LED flashing)

| Key Sequence | | Operation |
|--------------|---|------------------------------|
| 76 | - | Enter Function No. |
| 01 | - | Enter Option (01 = sector 1) |
| 02 | - | Enter Option (02 = sector 2) |
| On | - | Store Entries |

Installer may now exit program mode by pressing the OFF button or continue programming by entering a new function number.

Function 89 - Single Digit Arming

Default - disabled

Description :

This function, when enabled, will allow the panel to be turned on by pressing the 0 key and either the 'ON' key for full arming or 'PARTIAL' key for partial arming.

Options : (Single digit entry required)

0 = Single digit arming is disabled
1 = Single digit arming is enabled

NOTE: If opening / closing reporting is enabled, the unit will report a quick arm report code 408 in CONTACT ID format or user 15 with ADEMCO high speed format.

Example : While in program mode (Program LED flashing)

| Key Sequence | | Operation |
|--------------|---|--|
| 89 | - | Enter Function No. |
| 1 | - | Enter Option (1 = single digit arming enabled) |
| On | - | Store Entry |

Installer may now exit program mode by pressing the OFF button or continue programming by entering a new function number.

Function 90 - Default System Parameters

Description :

This option is used to default all system setup values and user numbers etc, back to known values.

Options :

None...this can be done by shorting the DEFAULT link on the motherboard

Example : While in program mode (Program LED flashing)

| Key Sequence | | Operation |
|--------------|---|--|
| 90 | - | Enter Function No. |
| On | - | Panel will default to Factory defaults |

Installer will automatically be exited from program mode when this function is entered and will have to re-enter program mode using the default Technician code (218067 and the On key)

Function 91 - Bell Output Type

Default - Normal Bell Output

Description :

This function determines what events will trigger the bell 1 output

Options : (Single digit entry required)

0 - Normal Bell Output
1 - Normal Bell Output + Arm/Disarm Chirps + Strobe flashes
2 - Panel Secure + Strobe flashes
3 - 24 Hour input in Alarm
4 - Smoke Detector Power

Notes :

1. When used for Smoke Detector Power (option 4), the Bell Output is used as the negative supply to the Detectors. The Smoke Detector power may be turned off for 5 seconds when the panel is not armed by entering a user code and then TEST 6.
2. When option 1 is selected and the keyswitch (Function 93) has been enabled, the bell output will give :- 1 beep on disarm, 2 beeps on arming and 5 beeps if arming was unsuccessful

Example : While in program mode (Program LED flashing)

| Key Sequence | | Operation |
|--------------|---|-------------------------------------|
| 91 | - | Enter Function No. |
| 2 | - | Enter Option (2 = panel secure o/p) |
| On | - | Store Entry |

Installer may now exit program mode by pressing the OFF button or continue programming by entering a new function number.

Function 92 - Slave Dialler Option

Default - Control Dialler

Description :

If this option is enabled, the panel will, to all intents and purposes act as a slave dialler.

Options : (Single digit entry required)

- 0 - Control Dialler
- 1 - Slave Dialler

When the Slave Dialler option is selected, inputs are 10k end of line

Example : While in program mode (Program LED flashing)

| Key Sequence | | Operation |
|--------------|---|------------------------------------|
| 92 | - | Enter Function No. |
| 0 | - | Enter Option (0 = Control Dialler) |
| On | - | Store Entry |

Installer may now exit program mode by pressing the OFF button or continue programming by entering a new function number.

Function 93 - Keyswitch Option

Default - No Keyswitch

Description :

This function, if enabled, will enable the full arm and part arm keyswitch inputs. To arm panel into Partial mode ground the part keyswitch input. To arm panel into Secure mode ground the full keyswitch input. To disarm panel remove ground.

The keyswitch inputs are normally open (non-monitored) and do not require a 10K EOL resistor.

Notes :

The keyswitch inputs will report CONTACT-ID 409 when triggered. They no longer report USER 31 open/close as per previous ICON8 versions.

Options : (Single digit entry required)

- 0 - No Keyswitch fitted
- 1 - Latched Keyswitch (Full and Part inputs)
- 2 - Momentary Keyswitch (Full and Part inputs)

Example : While in program mode (Program LED flashing)

| Key Sequence | | Operation |
|--------------|---|---|
| 93 | - | Enter Function No. |
| 2 | - | Enter Option (keyswitch inputs are momentary) |
| On | - | Store Entry |

Installer may now exit program mode by pressing the OFF button or continue programming by entering a new function number.

Function 94 - Siren Speed

Default - medium(6)

Description :

This function may be used to vary the speed of the siren outputs.

Options : (Single digit entry required)

- 9 (slow) to 1 (fast)

Example : While in program mode (Program LED flashing)

| Key Sequence | | Operation |
|--------------|---|--|
| 94 | - | Enter Function No. |
| 3 | - | Enter Option (3 = Faster than default) |
| On | - | Store Entry |

Installer may now exit program mode by pressing the OFF button or continue programming by entering a new function number.

Function 95 - Arming Lockout

Default - Arming enabled

Description :
This function may be used to prevent the user from being able to arm the panel

Options :
0 = Arming can be performed.
1 = Arming is disabled.

Example : While in program mode (Program LED flashing)

| Key Sequence | | Operation |
|--------------|---|---|
| 95 | - | Enter Function No. |
| 1 | - | Enter Option (1 = Panel cannot be armed by user code) |
| On | - | Store Entry |

Installer may now exit program mode by pressing the OFF button or continue programming by entering a new function number.

Function 96 - Download Configuration

Default - 5

Description :
This function determines how a download / upload session is initiated.

Options : (Single digit entry required)

| | |
|-----|---------------------------------------|
| 0 = | Download disabled |
| 1 = | Ring detect only |
| 2 = | Ring detect or Tech code only |
| 3 = | Ring detect, Master code or Tech code |
| 4 = | Tech code only |
| 5 = | Master or Tech code only |

Notes :

Downloading can be initiated by one of the three methods listed below :

1. Ring Detect - The panel will dial back using the download phone number (Function 62) if it receives three calls, of six rings duration (4-8), within a 90 second period.
2. Master code initiated - Entering the User Master Code + test 8 will cause the panel to dial as if it had detected the correct ring sequence.
3. Tech code initiated - Tech code + test 80 will cause the panel to dial as if it had detected the correct ring sequence.

Example : While in program mode (Program LED flashing)

| Key Sequence | | Operation |
|--------------|---|-------------------------------------|
| 96 | - | Enter Function No. |
| 1 | - | Enter Option (1 = ring detect only) |
| On | - | Store Entry |

Installer may now exit program mode by pressing the OFF button or continue programming by entering a new function number.

Function 98 - Status on power up

Default - Do not retain status

Description :

If this option is enabled, the panel will attempt to power up in its previous state when power is restored. (e.g. Armed). If it was previously armed it will ignore the sector inputs for a settling period of 90 seconds and then re-arm. Any sectors unsealed after this settling period will be automatically isolated.

If this option is disabled then the panel will power up in the OFF mode regardless of its previous state.

Options :

0 = Do not retain status.
1 = Retain status.

NOTE: Pressing the OFF key during the 90 sec settling period will abort the rearm and panel will stay in the OFF mode.

Example : While in program mode (Program LED flashing)

| Key Sequence | | Operation |
|--------------|---|----------------------------------|
| 98 | - | Enter Function No. |
| 1 | - | Enter Option (1 = Retain status) |
| On | - | Store Entry |

Installer may now exit program mode by pressing the OFF button or continue programming by entering a new function number.

Function 99 - Technician Code

Default - 218067 (six digits)

Description :

The Technician code is used to set up all functions of the system. Tech code can only be used when the system is in the OFF mode.

Options : (6 digit entry required)
Any 6 Digits

Example : While in program mode (Program LED flashing)

| Key Sequence | | Operation |
|--------------|---|-----------------------------------|
| 99 | - | Enter Function No. |
| 218067 | - | Enter Option (Tech code = 218067) |
| On | - | Store Entry |

Installer may now exit program mode by pressing the OFF button or continue programming by entering a new function number.

Function 72 - Report Line Fail

Default - Disabled

Description :

If enabled the control panel will report a Line Fail if the voltage across the line has fallen below 10V for 72 seconds. When the line has restored for a period of 12 seconds, a restoral is sent.

Options : (Single digit entry required)

- 0 - Line Fail reporting disabled
- 1 - Line Fail reporting enabled

Note:

The Fire (now the FAULT) led on the keypad will give a double flash when the line has failed

Example : While in program mode (Program LED flashing)

| Key Sequence | | Operation |
|--------------|---|-------------------------------------|
| 72 | - | Enter Function No. |
| 1 | - | Enter Option (1 = Report line fail) |
| On | - | Store Entry |

Installer may now exit program mode by pressing the OFF button or continue programming by entering a new function number.

Function 77 - Report AC Mains Fail

Default - Enabled

Description :

If enabled, this function will allow AC Mains Fail reporting

Options : (Single digit entry required)

- 0 - AC Mains Fail reporting disabled
- 1 - AC Mains Fail reporting enabled

Note:

When Mains Fail reporting is disabled, the AC fail detect is also disabled, this means the power led will not flash when there is no AC power

Example : While in program mode (Program LED flashing)

| Key Sequence | | Operation |
|--------------|---|--|
| 77 | - | Enter Function No. |
| 0 | - | Enter Option (0 = AC Mains Fail Reporting disabled) |
| On | - | Store Entry |

Installer may now exit program mode by pressing the OFF button or continue programming by entering a new function number.

Function 78 - Strobe Timeout

Default - Disabled

Description :

This function sets how long the strobe will be active after an alarm is generated

Options : (Single digit entry required)

- 0 - Disabled (Strobe stays on till disarmed)
- 1 - 5 min
- 2 - 10 min
- 3 - 30 min
- 4 - 1 hr
- 5 - 2 hrs
- 6 - 3 hrs
- 7 - 6 hrs
- 8 - 12 hrs
- 9 - 24 hrs

Note :

When disabled 0 the strobe output will remain active until the system is disarmed.

Example : While in program mode (Program LED flashing)

| Key Sequence | | Operation |
|--------------|---|---|
| 78 | - | Enter Function No. |
| 2 | - | Enter Option (2 = Strobe Timeout 10 minutes) |
| On | - | Store Entry |

Installer may now exit program mode by pressing the OFF button or continue programming by entering a new function number.

Function 80 - PGM Programmable Output

Default - Kiss-off received

Description :

Program the option that will activate the low current output.

Options : (Single digit entry required)

- 0 - Output disabled
- 1 - Kiss-off (the output will activate for 750msec on every kiss of received from the monitoring center)
- 2 - Line Fail (activates the output when the line fails, follows the line fail timer restoral ie.12sec)
- 3 - Remote button 3 (Momentary - activates the output for 750msec when button 3 is pressed from a fob programmed in the IconRF Module)
- 4 - Remote button 4 (Toggle - activates the output when button 4 is pressed, and de-activates the output when button 4 is pressed a second time)
- 5 - Report Fail (If after 6 dialling attempts the control panel is unable to send an event to the monitoring enter, the output will activate. The output will restore after the transmission of a successful message.
- 6 - Chime Output (activates the output for 750msec when a chime zone programmed in function 84 is triggered)
- 7 - SMS controlled output Sending an output command to the panel when the GSM module is attached will toggle the output. The output command format is as follows `[**][XXXX][O][5][T][##]` where XXXX is a valid user code

Note :

The line fail timer does not operate when programmed for GSM only (Function 67 = 5) therefore the output will not activate

Example : While in program mode (Program LED flashing)

| Key Sequence | Operation |
|--------------|--|
| 80 - | Enter Function No. |
| 4 - | Enter Option (Button 4 activates the PGM output) |
| On - | Store Entry |

Installer may now exit program mode by pressing the OFF button or continue programming by entering a new function number.

Function 81 - RF Module Enable

Default - disabled

Description :

This function, if enabled, enables the ICON RF Module to communicate with the ICON8V6 via the expansion slot. Reports Contact-ID code 407 when armed or disarmed

Options : (Single digit entry required)

- 0 - RF Module disabled
- 1 - RF Module enabled

Notes: Keyfobs programmed in the ICONRF Module have the following operation.

| Button | Operation |
|---------|---|
| 1 - | Full Arm |
| 2 - | Partial Arm |
| 3 - | Momentary PGM Output (if programmed in function 80) |
| 4 - | Toggle PGM Output (if programmed in function 80) |
| 1 & 2 - | Panic (if programmed in function 47) |

Example : While in program mode (Program LED flashing)

| Key Sequence | Operation |
|--------------|---|
| 81 - | Enter Function No. |
| 1 - | Enter Option (1 = ICON RF Module enabled) |
| On - | Store Entry |

Installer may now exit program mode by pressing the OFF button or continue programming by entering a new function number.

Function 82 - RF Keyfob Programming

Default - No remotes learnt

Description :

This function, will allow programming of keyfobs into the ICON RF Module.

To initiate learn press the 0 key, the first available sector will flash (if no fobs are learnt already this will be sector 1) press any button on the remote, the keypad will beep once then press the button a second time, if successful the keypad will sound 3 beeps and the sector will become solid. Enter 0 to learn another fob, the next available sector will flash or press On to save and exit. Keyfobs that are already learnt can be tested while in the function by pressing the button on the keyfob, the corresponding sector light will flash and the keypad will beep for 750msec. To Delete all remotes press the Isolate key followed by On.

Options : (Single digit entry required)

Enter 0 to initiate Learn mode

Enter Isolate followed by On to delete all remotes

Note:

The total number of keyfobs that can be learnt is 7. Individual remotes cannot be deleted.

Learning an 8th keyfob, will overwrite the 7th keyfob. It does not overwrite the 1st keyfob.

If learn is unsuccessful the keypad will give a long beep and the sector led will stop flashing.

If a learnt fob is learnt in a second time....it will simply overwrite itself. It does not take up another location or overwrite an existing fob

Example : While in program mode (Program LED flashing)

| Key Sequence | Operation |
|--------------|--|
| 82 | - Enter Function No. |
| 0 | - Enter Option (0 = Initiates Keyfob Learn) |
| First press | - Press any button on the remote |
| Second press | - Press any button on the remote a second time to learn |
| On | - Store Entry (Stores the status of the remotes learnt, learnt remotes are stored in the ICON RF Module as soon as the sector light becomes steady, this means if you press OFF rather than On, the remote will still operate...but it will not show in Function 81 as being learnt until the learn sequence is initiated a second time) |

Installer may now exit program mode by pressing the OFF button or continue programming by entering a new function number.

Function 83 - RF Keyfob Isolate

Default - No Keyfobs Isolated

Description :

If a keyfob is lost or to prevent access of a particular keyfob, enter the corresponding sector from 1 to 7.

Isolated fobs are denied access to arm or disarm the system only, they are not deleted from the RF module.

Options : (Single digit entry required)

Any sector or combination of sectors from 1 to 7

Example : While in program mode (Program LED flashing)

| Key Sequence | Operation |
|--------------|-------------------------------|
| 83 | - Enter Function No. |
| 3 | - Enter 3 (isolates keyfob 3) |
| 5 | - Enter 5 (isolates keyfob 5) |
| On | - Store Entry |

Installer may now exit program mode by pressing the OFF button or continue programming by entering a new function number.

Function 84 - Chime Sections

Default - No Chime Sections

Description :

This function will allow sections to trigger the keypad beeper for 1 second when in the disarm state.

Options : (Single digit entry required)

Any sector or combination of sectors from 1 to 8

Note :

Function 80 option 6 can be used to activate the PGM output when a chime section is triggered. Chime zones will still sound an alarm when fully or partial armed

Example : While in program mode (Program LED flashing)

| Key Sequence | | Operation |
|--------------|---|----------------------------------|
| 84 | - | Enter Function No. |
| 7 | - | Enter 7 (7 = Section 7 is Chime) |
| On | - | Store Entry |

Installer may now exit program mode by pressing the OFF button or continue programming by entering a new function number.

Function 00 - Master Code

Default - 218572 (six digits)

Description : Options : (6 digit entry required)
The Master code is used to enter and change Any 6 Digits
the user codes only (no system setups may
be changed).
The Master code may be changed by either
the Technician or by the holder of the existing
Master code.

Notes: Ensure the Master code is different to the Technicians code. If the Master code is the same as the Technician code then the technician will not be able to gain access to program the system functions

Example : While in program mode (Program LED flashing)

| Key Sequence | | Operation |
|--------------|---|-------------------------------------|
| 00 | - | Enter Function No. |
| 218572 | - | Enter Option (Master code = 218572) |
| On | - | Store Entry |

Installer may now exit program mode by pressing the OFF button or continue programming by entering a new function number.

Function 01 - User Code 1

Default - 1111 (four digits only)

Description : Options : (Four digit entry required)
Function 01 allows the programming of Any 4 Digits (see notes)
user code 1. This User code is the only
one with a default value but in all other
respects is the same as User codes
02 to 30

Notes:

- 30 User codes may be programmed into the panel, These user codes are programmed using function numbers 01 to 30, all are programmed in exactly the same manner.
- No two User Codes may be the same and if Keyboard Duress has been enabled by Function 74 then no two codes can be within 2 digits of each other. eg. if one code is 1234 then the closest a code can be to it is 1236 or 1232, or else an error beep will be heard.
- The User codes are used to Arm, Disarm, Isolate Sections and Test the system only.
- The User codes may be changed by either the Technician or by the holder of the existing Master code.
- The User codes may be deleted by using the Isolate key in place of the 4 digits in the user code (the Isolate key needs to be used only once to delete all four digits of the user code) then press On key.

Example : While in program mode (Program LED flashing)

| Key Sequence | | Operation |
|--------------|---|-----------------------------------|
| 01 | - | Select User No. 01 |
| 2222 | - | Enter Option (User code 1 = 2222) |
| On | - | Store Entry |
| 02 | - | Select Function No. 02 |
| Isolate | - | Delete User Code 2 |
| On | - | Store Entry |

Installer or Master code holder may now exit program mode by pressing the OFF button or continue programming by entering a new function number.

REPORTING CODES Ademco High Speed Function 67=0

EXPANDED HIGH SPEED REPORT CODES

The high speed ADEMCO reports are 13 digits long with the first four digits being allocated to be the client's account number, the next 8 digits allocated to be event reporting channels with the last digit being the channel status code.

Valid codes for the 8 event reporting channel codes with their meanings are as follows :

Code Meaning

- | | |
|---|---|
| 1 | New event |
| 2 | New opening |
| 3 | New restore |
| 4 | New closing |
| 5 | Normal |
| 6 | Previously reported event still in effect |

Valid codes for the channel status code with their meaning are as follows:-

Code

Meaning

- | | |
|---|--|
| 1 | Duress report in previous 8 channels (alarm in channel 1) |
| | e.g. acct #. channels. code. |
| | 1234 1555 5555 1 |
| 2 | Opening report in previous 8 channels (user id in channel 1) |
| | e.g. acct #. channels. code. |
| | 1234 7222 2222 2 - user 7 disarmed the system |
| 3 | Zone bypass status report in previous 8 channels |
| | e.g. acct #. channels. code. |
| | 1234 5515 5555 3 - zone 3 newly isolated |
| | 1234 1565 5555 3 - zone 1 newly isolated, zone 3 previously isolated |
| | 1234 3535 5555 3 - zones 1 and 3 isolate restoral |
| 4 | Closing report in previous 8 channels |
| | e.g. acct #. channels. code. |
| | 1234 8444 4444 4 - user 8 armed the system |
| | 1234 F444 4444 4 - user 15 armed the system |
| 5 | Zone trouble report in previous 8 channels (not used) |
| 6 | System trouble report in the previous 8 channels (not used) |
| 7 | Zone alarm status report |
| | e.g. acct #. channels. code. |
| | 1234 5515 5555 7 - zone 3 newly alarmed |
| | 1234 1565 5555 7 - zone 1 newly alarmed, zone 3 previously alarm |
| | 1234 3535 5555 7 - zones 1 and 3 restoral |
| 8 | New low battery alarm |
| | e.g. acct #. channels. code. |
| | 1234 5555 5555 8 - low battery alarm |
| 9 | Test report. Alarm status is reported in the previous 8 channels |
| | e.g. acct #. channels. code. |
| | 1234 5555 5655 9 - test report, prev. zone 6 alarm. |

Contact ID Format

SSSS 18 E TTT PP NNN

Where SSSS = Four Digit Account Number

18 = Unique Format Identifier
(Not Displayed or Printed)E = Event
1 = New Event or Opening
3 = New Restore or ClosingTTT = Event Code
120 = Panic Alarm
121 = Duress Alarm
130 = Burglar Alarm
301 = AC Power Loss
302 = Low Battery
401 = Open/Close by User
570 = Zone Bypass
602 = Periodic Test Report

New Codes

137 = Tamper Alarm
305 = System Reset
351 = Telco 1 Fail
406 = Cancel by User
407 = Remote Arm/Disarm
408 = Quick Arm
409 = Open/Close by keyswitch

PP = Area or Partition Number

NNN = Section Number or User Number

Examples of Reporting Note: Checksum is omitted for clarity

| | |
|----------------------|-------------------------------|
| 1234 18 1 120 00 000 | Panic Alarm |
| 1234 18 1 121 00 005 | Duress Alarm by user 5 |
| 1234 18 1 130 01 001 | Section 1 alarm in area 1 |
| 1234 18 1 130 01 002 | Section 2 alarm in area 1 |
| 1234 18 3 301 00 000 | AC Fail restore |
| 1234 18 1 302 00 000 | Low battery alarm |
| 1234 18 1 401 00 001 | Open message with user code 1 |
| 1234 18 1 602 00 000 | Test Report |

Other Features

- KEYBOARD panic Keyboard Panic is achieved by pressing and holding both the OFF and ON keys together and holding for 2 secs. This is a local as well as a back to base.
Keyboard Panic may be triggered and reported more than once, but only one restoral will be sent when a valid user code is next entered.
At default Keyboard Panic is disabled.
To enable keyboard panic program function 47. If programmed with a 1, the keyboard panic is silent and will only report to the monitoring centre.
If programmed with a 2 the keyboard panic will report as well as being audible.
- KEYBOARD Duress Keyboard Duress is sent by entering your normal 4 digit code but with the last digit incremented by 1. If your code is " 1234 " then enter "1235 ", a duress is sent with no local alarm. A duress restore is sent when the next valid code is entered. If the last digit of your code is " 0 " then enter a " 1 ". Or if a " 9 " enter a " 0 ".
- 24 HOUR Inputs which are configured for 24 hour operation, when alarmed, will send a restoral when that input is resealed and a valid user code is entered.
- MAINS FAIL Mains fail is automatically detected and reported by the control dialler. When mains fail is detected the power LED on the Keypad will start giving a single flash and will be beeping. The beeper will stop when any button is depressed. After mains has been off for more than 60 minutes the dialler will send a mains fail alarm. When mains is restored the LED will go steady again and after 30 seconds the dialler will trip and send a mains restoral. Mains fail can be disabled by programming a 0 in Function 77. When mains fail is disabled, the power led will remain steady during mains fail and will not report mains fail or mains fail restoral.
- LINE FAIL Line fail is automatically detected by the control dialler. When line fail has been detected for approx 60 + seconds the fire (FAULT) LED on the Keypad will start giving a double flash.
When the line has restored the fire LED will turn off after 10 seconds. If line fail reporting is required program a 1 in function 72. Line fail reporting will follow the operation of the fire LED.....meaning a line fail will be reported after 60 seconds and a line fail restoral after 10 seconds.
- LOW BATT Low battery is automatically detected and reported by the control dialler. When low battery is detected the power LED on the Keypad will start giving a double flash. After the battery voltage has been low for 30 seconds the dialler will send a low battery report. When the battery voltage is restored to normal the LED will go steady again and after 30 seconds the dialler will send a low battery restoral.
If low battery occurs during the 60 minute mains fail time, then it takes precedence over the mains fail and both events will be reported.
- TEST DIAL To test the reporting ability of the dialler a test dial may be initiated by entering a User code and then TEST 9. When the dialler receives the handshake tones from the monitoring station the dialler will give 3 beeps. When Tape Dial (option 67) is enabled the dialler will give 3 beeps after dialling is completed for the test call.