

Model 3000 / Access 4000

Programming Summary

The following is a list of Model 3000 and Access 4000 programming options:

<u>VERSION</u>	<u>FONT</u>	<u>RELEASED</u>
Options available from V1.0	Times New Roman.	Feb. 1997
Options only available in V2.0 or later;	<i>Times New Roman Italic.</i>	<i>June. 1998</i>
Options only available in V3.0 or later;	Times New Roman Bold.	March. 2000
Options only available in V3.5 or later;	Arial.	July. 2000
Options only available in V4 or later;	SMALL CAPITALS.	AUG. 2001
Options only available in V4.5 or later;	Arial Bold.	April. 2003
Options only available in V5-V5.2 or later;	Courier Font .	Mar-Oct. 2004
Options only available in V5.6-V5.7 or later;	Courier Bold	Feb 2006-Jan2007
Options only available in V6-V6.2 or later;	<i>Comic Sans MS</i>	March-July 2007
Options only available in V7 or later;	Comic Sans MS Bold	March 2008
Options only available in V7.4-V7.62 or later;	<i>Comic Sans MS Italic</i>	<i>March-Nov 2009</i>
Options only available in V7.8-V8.0 or later;	Impact	June 2010-Mar 2011
Options only available in V8.2 or later;	<i>Impact Italic</i>	<i>July 2012</i>

* Asterisk indicates that actual numbers of items will depend on Memory size fitted and configuration option selected.

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Users[MENU, 2, 1]

- User Number (0 to 65500)*
- User Name (0 to 16 characters - Not available for “Card Only” Users)*
- User Type (0 to 250 types)*
- PIN Code[^] (0 to 8 digits)
- Card Type (Credit Card / Site Code / Direct Entry)
- Account Number/Card & Issue Number/Raw Card Data (depending on Card type)
- User Expiry Date / Time.[^]
- User Rank[^] V1 to V6.0 only. (May be used to determine permission to edit other Users)
- **User Tenancy[^] V6.2 or later only. (May be used to determine permission to edit other Users)**
- User Options[^] [NDLEG . . .] (No Message Ack. / Duress Code / Area List default / *Extra Area Off* / **No Greeting**)
- User Extra Area.[^]
- **User Extra Door. (Only available in selected 512k or Custom configurations)**
- **User Extra Door List. (Only available in selected 512k or Custom configurations)**
- Fob Button 1 Action. (None / Area On/Off / Aux On/Off/Toggle / Zone Alarm / Zone Alm (Qualified) / Area List On/Off / Qualify Auxiliary)
- Fob Button 1 Area/Auxiliary/Zone/Area List to Control.
(Depends on action selected)
- Fob Button 2 Action.
- Fob Button 2 Area/Auxiliary/Zone/Area List to Control.
- Fob Button 3 Action.
- Fob Button 3 Area/Auxiliary/Zone/Area List to Control.
- Fob Button 4 Action.
- Fob Button 4 Area/Auxiliary/Zone/Area List to Control.
- *Fob Options. [6PA] (6 digit PIN codes / No PIN code for PGM / No PIN code for Area control)*
- *Fob ARM/DISARM 1 button options. [1ADL] (Arm button allowed / Disarm button allowed / Area List control)*
- *Fob ARM/DISARM 1 button Area/Area List to control.*
- *Fob ARM/DISARM 2 button options. [1ADL] (Arm button allowed / Disarm button allowed / Area List control)*
- *Fob ARM/DISARM 2 button Area/Area List to control.*
- User Qualifications.

[^] Not available for “Card Only” Users.

Fob Button options; V5.1 or later only. Aux Toggle/Zone Alm (Q)/Area List On/Off/Qualify Aux, V5.2 or later only. (Only available for a limited number of Users. See *Memory Configuration tables for details.*)

User Types[MENU, 2, 2]

- User Type Number (0 to 250)*
- User Type Name (0 to 16 characters)
- User Type TimeZone (0 to 250)*
- Alternative User Type. (0 to 250)*
- Area ON List (0 to 250)*
- Area OFF List (0 to 250)*
- Menu Group (0 to 250)*
- Door List (0 to 250)*
- Lift Car List (0 to 250)*
- Floor List (0 to 250)*
- User Type Options [. FdDUAPC] (Allow Fob / **Disabled User** / Dual Code Provider / Dual User Override / AntiPassback Override / Cancel on PIN / Cancel on Card)
- User Type Rank. V1 to V6.0 only. (Used to determine which User Types a User may assign to other Users)
- **User Type Tenancy[^] V6.2 or later only. (Used to determine which User Types a User may assign to other Users)**
- Valid code Auxiliary (An Auxiliary which will activate upon entry of a valid User code)
- Home Auxiliary types allowed (1 to 8)

Area List [MENU, 2, 3, 1]

- Area List Number. (0 to 250)*
- Area List Name (0 to 16 characters)
- Area List TimeZone (0 to 250)*
- Alternative Area List. (0 to 250)*
- Areas assigned to this List

Door List [MENU, 2, 3, 2]

- Door List Number. (0 to 250)*
- Door List Name (0 to 16 characters)
- Door List TimeZone (0 to 250)*
- Alternative Door List. (0 to 250)*
- Doors assigned to this List

Siren List [MENU, 2, 3, 3]

- Siren List Number. (0 to 250)*
- Sirens assigned to this list (up to 16)

Floor List [MENU, 2, 3, 4]

- Floor List Number. (0 to 250)*
- Floor List TimeZone (0 to 250)*
- Alternative Floor List. (0 to 250)*
- Floors assigned to this List

Lift Car List [MENU, 2, 3, 5]

- Lift Car List Number. (0 to 250)*
- Lift Car List TimeZone (0 to 250)*
- Alternative Lift Car List. (0 to 250)*
- Lift Cars assigned to this List.

Auxiliary List [MENU, 2, 3, 6]

- *Auxiliary List Number. (0 to 64)**
- *Auxiliary List Name (0 to 16 characters)*
- *Auxiliaries assigned to this List (Up to 8)*

Menu Groups [MENU, 2, 4, 1]

- Menu Group Number (0 to 250)*
- Menu Group Name (0 to 16 characters)
- Menu Group TimeZone (0 to 250)*
- Menu Group Alternative Group. (0 to 250)*
- Menu Group functional options allowed [RIDCSAMT] (Remote Access / Isolate on Exit / *Defer Area On / Cancel Holdup* / Sirens Off / Acknowledge messages / Multiple Area control / Tamper on/off)
- Menu Options allowed. [RAITtMSC] (Read Info / Access / Isolate / Test / Times / **Miscellaneous**[^] / Service / Control)
- Sub-menu Opts allowed. [UTLGZRA.] (User Codes / User Types / Lists / Groups / TimeZones / **Review** / **Adjust Counters***)
- **Other Options allowed.** [RHOLP. . .] (**Reset latched alarms** / **Home Zone Isolate** / ONLY OWN AREA LIST / Unlock ON Key / **Only own PIN**)

[^] "Miscellaneous" provides access to MENU,6, 1-Module Disable and MENU,6,2-UK Reset.

* "Adjust Counters" provides access to Event Counters / Area User Counters (V5 or later only)

Access Group [MENU, 2, 4, 2]

- Access Group Number (0 to 250)*
- Access Group Name (0 to 16 characters)
- Access Group TimeZone (0 to 250)*
- Alternative Access Group. (0 to 250)*
- Entry/Exit Modes. (PIN only / Card only / PIN or Card / Card & PIN)
- Entry/Exit Anti-Passback modes. (None / Soft / Hard / **Timed**)
- Entry/Exit Options. [BLAD] (Button facility / DeadLock function / Auto Area Off / Dual User)
- Access Group Options. [IDEXTd. .] (Isolate on Entry / De-isolate on Exit / No Entry if wrong area / No Exit if wrong area / *Two Zones mode* / *Defer Area Arming*)

Process Group [MENU, 2, 4, 3]

- Process Group Number (0 to 250)*
- Process Group Name (0 to 16 characters)
- Process Group TimeZone (0 to 250)*
- Alternative Process Group. (0 to 250)*
- Tamper/Alarm processing options. (Recognize Tamper / Recognize Alarms / **Latch Input**)
- Delayed/Primary processing options. (Entry Zone / Exit Zone / Primary entry zone)
- Pulse count processing options. (Pulse count / *Single Pulse*)
- Communications Reporting Options. (Isolates / Tamper / Alarms / Restores / Alarms during entry / Alarms during exit / *Unseal Restores* / **Single report**)
- Contact ID message.
- **4+2 Pulse message.**
- Area Auxiliary Options. (Tamper / Alm 1 / Alm 2 / Alm 3 / Alm 4 / Isolate)
- Alarm Siren tone selection. (None, Bell, Sweep, Fire or Evacuation)
- Tamper Siren tone selection. (None, Bell, Sweep, Fire or Evacuation)
- Siren Lockout.
- *Siren Re-trigger.*
- LCD Terminal Message types. (1 to 8)
Note: V5.1 or later. Message type 8 generates Area Alarm Review Event for Insight Schematic Area status.
- *Home Auxiliary on Seal options.* (None / Turn on / Turn off / Toggle)
- *Home Auxiliary on Alarm options.* (None / Turn on / Turn off / Toggle)
- *Home Auxiliary on Tamper options.* (None / Turn on / Turn off / Toggle)
- *Home Auxiliary options.* (Override time / Minute timer)
- *Home Auxiliary Time.*
- **Extra Options.** (**Refresh Only** / **No refresh** / Cancel Exit Delay / Delayed Reporting / **Lift buttons**)
- **Pin Type.** (0-None / **1-Fire** / **2-PA** / **3-Intruder (Unconfirmed)** / **5-Medical[^]** / **6-Fault[‡]** / **8-Power[†]** / **10-RF Jam** / **11-Battery** / **12-Mask** / **13-Soak** / **14-Prim.ATS** / **15-Sec.ATS**)
- **Verify Group.** (1 to 16) [□]
- **Transmit SMS options.** (**No SMS** / **One #, No Ack** / **One # with Ack** / **List with Ack** / **List, No Ack**)
- **SMS Telephone Number.**
- SIA Type. (Burg / Fire / Gas / Holdup / Heat / Medical / Panic / Emergency / Sprinkler / Water / Freezer)
- **Action Alarms 24 Hours.**

[^] Removed in V5.1. (Changed to “Isolate” & cannot be assigned in Process Group)

[†] Changed from “Plant” to “Power” in V5.1.

[‡] Changed from “System” to “Fault” in V5.6.

[□] Verify Group removed in V5.6. Now in Area programming as “Confirm Group”.

Site Codes [MENU, 2, 5]

- Site Code Number. (1 to 128)*
- Site Code
- Card Number Offset
- Site Code Enabled / Disabled. (“Present”)

Backup Cards[MENU, 2, 6]

- Backup Card Number. (1 to 127)* Only 15 Backup Cards available prior to V3.56.
(127 B'UP CARDS ONLY AVAILABLE V3.56 OR LATER IN ENHANCED VERSION OF 1 OR 2 DOOR ACCESS MODULE)
- "Waiting for Backup Card ??? at Rxx" (Where Rxx = Reader Module number)

RF Fob Registration (V5.1 or later)[MENU, 2, 7]

- Select User
- Registration & Status

Isolate[MENU, 3]

- Select Input. (Zone or System Input).
- Select Action. Isolate / "Sticky" Isolate / De-Isolate.

Testing[MENU, 4]

- Inputs [1]
- Input to Test.
- Input Status. (Sealed / Alarm / Tamper / **Isolated** / **Sticky Isolated**)
- Auxiliaries [2]
- Auxiliary to Operate.
- Sirens [3]
- Siren to Operate. (On / Off / 1-Bell / 2-Sweep / 3-Fire / 4-Evacuation / 8-Internal Only / 9-External only)
- Telecom [4]
- Loop / Unloop.
- Seize / Unseize.
- DTMF / Decadic.
- Impedance Switch On / Off.
- Dial digits.
- Cards [5]
- Memory [6]
- Ports [7]
- Input Status.
- Output Status. (1-Toggle DTR / 2-Toggle RTS)
- Power [8]
- Check System Inputs.
- Diagnostic Controls. (Off & On-Turn Off & On **Controller** and all Expander Battery Chargers / 5-**Initiate Battery Test** / 7 & 9-Turn Off & On Controller Battery Charger † / 1 & 3-Unlock & Re-lock all Door Lock Auxiliaries / < or >-Re-test LAN Comms / ^ & v-Check for other unsealed Inputs)

† Removed in V5.6.

- VOLTS [9]
- CHECK CONTROL MODULE POWER CONDITIONS.
- DIAGNOSTIC CONTROLS. (ON-TURN OFF BATTERY CHARGER / ANY OTHER KEY-TURN ON BATTERY CHARGER)

Time and Date [MENU, 5, 1]

- Set Time and Date.
- Set Weekday.

TimeZones [MENU, 5, 2]

- TimeZone Number (0 to 250)*
- **Current Status. (V)alid / (I)nvaid.**
- TimeZone Name.
- Start time / Stop time / Days of week (up to 4 periods).
- Holiday types to obey. (1 to 6)
- Function options. (Aux on/off / Area on/off / Area List on/off / *Door lock/unlock / Door List lock/unlock / Lift Car & Floor secure/unsecure / Lift Car & Floor List secure/unsecure / Trigger Time Report / Aux on/off sec / Aux on/off min. / Lift Car List & Floor List secure/unsecure / Lift Car List & Floor secure/unsecure / Area Defer On /*)
- Control options. (On when Tz goes Valid / Off when Tz goes Valid / On when Tz goes Invalid / Off when Tz goes Invalid.
- Entity/List to turn on/off. (Depends on Function option selected above)
- Auxiliary qualify options. (Qualify / Invert Qualify)
- Auxiliary to qualify against.

Holidays [MENU, 5, 3]

- Holiday Number (0 to 250)*
- Holiday Name
- Start date / Stop date
- Holiday type (1 to 6)

Diaries [MENU, 5, 4]

- Diary Number (0 to 32)*
- Diary Date and Time
- Valid Days of the week
- Diary Message. 16 characters X 2 (lines)
- Valid (Output) Auxiliary. (On whenever Diary is Valid)
- QUALIFY AUXILIARY. (If ASSIGNED, MUST BE ON FOR DIARY TO BE VALID)
- Diary Function. (*Time Adjust Add 1 hr. / Time Adjust Subtract 1 hr. / Skip Subtract 1 hr. / Battery Test / Check Memory*)

Auxiliary Timers [MENU, 5, 5]

- Auxiliary to Time on.
- Auxiliary ON time (1 to 255 seconds / minutes).
- Save to Review Option.
- *Auxiliary Off on reset.*

Module Disable [MENU, 6, 1]

- **Module to Enable or Disable.**
- **Module Status (Enabled / Disabled / Absent)**

UK Reset [MENU, 6, 2]

- **Enter Code**

Inputs (Zones)[MENU, 7, 0]

- Input (Zone) Number.
- Input (Zone) Name. (Up to 24 characters)
- Input options. (**Summary Zone** / Ignore Physical Zone Input -Calculated Zone / Save to review when C01:X01 is On / Swap Seal & Alarm / Don't save to Review / Allow Auto Isolate / No test on Exit / Zone Self Test)
- *Home Auxiliary to control.*

Areas[MENU, 7, 1]

- Area Number. (0 to 250)*
- Area Name.
- Internal / External Siren Mode. (No Siren / Instant / 2nd Hit / **Backup / Reserved**)
- Siren List to sound.
- Siren Time. V1 to V4.99: 1 to 255 minutes.
V5 or later: 1-200 = 1 to 200 minutes; 201-255 = 1 to 55 seconds.
- Exit Delay time. (seconds)
- Entry Delay time. (seconds)
- Pulse time. (seconds)
- Pulse count for this Area.
- Communications Reporting options. (Openings / Closings / Open after alarm / Not General Area / 24 Hour [Tamper] Off reports / Area Still Open reports)
- Area client code.
- Area Options. (Test for Users on arming / *Holdup Area* / *Defer Area On* / **No Siren cancel / Pulse Timer** / WARN AUXILIARY=ALM4 AUX / FUNCTION ZONE AREA)
- Self Test "ON" count. (Frequency of Zone self-test.)
- Auxiliaries to activate (Exit^ / Entry^ / Siren* / Close* / 24Hr (Tamper) / Alarm 1-4* / Isolate / Count / **Test**)
***Aux List option available V3 or later.** ^AUX LIST OPTION AVAILABLE V4 OR LATER.
- Sub-Area to use.
- Associated Area List.
- *Area User Count.*
- *Area Count control options. (On or Off when count met / On or Off when count+1 met / Edge operation)*
- *Trigger Count.*
- **Test Options. (Force Test of all "Self Test" Zones / Qualify for exit / Trigger Test Auxiliary / Arm Area for Test / Walk test on Arming / Exit to View Counters)**
- **Max Test Count. (Max time allowed for testing)**
- **Area Defer Time.**
- **Confirm Time.** † (Minutes)
- **Confirm Options.** † (No Confirmation during Entry / Prevent Confirmation after Entry / No Lockout / Disable Battery test on arming)
- **Confirm Group.** † (00 to 15)
- **Maximum Siren Trigger Count.** (000)
- Zones/Process Groups in this Area.

† Only available if EN50131 processing enabled. e.g. "UK" firmware.

LCD Terminal[MENU, 7, 2, 1]

- LCD Terminal Number (1 to 99)*
- Poll Time (1 to 255 seconds)
- LAN Priority (0 to 3)
- Area Alarm Message Types allowed. (1 to 8)
- Default Display message options. (Single Area / Multiple Area / Diary messages / Level messages / Single Area Alarms / All Area Alarms / Display Time & Date / Custom Diary message)
- *LED (Lamp) mode.* (None / Area Array)
- Associated Area.
- Keypad dual code/lockout time.
- Associated Door.
- Access options. [IOAQZSPE] (Located Inside or Outside / OK key for REX or REN / Access Control Only / **Qualified** / Zone 2 REX on Inside / Single Area operations / **Pin Display** / Force Exit Display)
- Extra Options. (**Limit Messages** / No key beep / Zone 2 REX button enable)
- **Logged Off Options.** (Area Status Array / Area status Text / View Latch Alarms / Alarm Review / Home Auxiliary Control / Air-Conditioning Control)
- Menu Group
- **Area List Filter.**
- ENHANCED KEYPAD LOCKOUT.
- MAXIMUM PIN CODE ATTEMPTS. (0 to 15)

Prisma Colour Graphic Terminal introduced in V8.0

The Prisma Terminal connects to the LAN as an LCD Terminal. Note that some LCD Terminal programming options are not supported, or operate differently in the Prisma Colour Graphic Terminal.

Refer to "LCD Terminal programming" in the Programmer's Manual Rev 8.0 or later for details.

Touchscreen Terminal [MENU, 7, 2, 2]

- Touchscreen Terminal Number (1 to 99)*
- Poll Time (1 to 255 seconds)
- LAN Priority (0 to 3)
- Layout
- Message options (Level messages / Diary messages / Area List allowed † / Disable Key Beep / Display Latched Alarms † / Display Area Status † / Home Auxiliary Control / Scrambling Keypad [Q] ‡)
- Associated Area †
- Associated Diary message †
- Area List Filter
- Keypad lockout time
- Logged on options (Area On/Off allowed † / Tamper On/Off allowed † / Clear Latched alarms † / Clear UK Lockout † / Acknowledge alarm messages / Isolate on exit / No Greeting)

† Not yet implemented.

‡ Touchscreen Terminal firmware must be V1.6 or later.

32 Zone (Big) Expander Modules[MENU, 7, 2, 3]

- Expander Number (1 to 99)*
- Poll Time (1 to 255 seconds)
- LAN Priority (0 to 3)
- **Battery Test Time. (minutes)**
- **Zone Debounce time. Set by DIPswitch on Universal Expander only. (40mS / 400mS - Setting applies to all zones on the Expander.**
- Firmware Version (Universal Expander PCB must be Revision H or later)

Single Door / 2 Door Access Modules[MENU, 7, 2, 4]

- Access Module Number (1 to 99)*
- Poll Time (1 to 255 seconds)
- LAN Priority (0 to 3)
- Purpose (Door Control / Lift Control / Terminal Logon / Area Toggle)
- Associated Door/s / Lift.
- Access Module Options.
 - Comms (LAN) fail opts. (Backup Cards operate / REN operation / REX operation / First 2 Backup Cards only)
 - Other options. (**DOTL warning** / No Valid/Invalid LED control / Tongue sense / 2 Door mode)
- Reader Arming mode. (None / *Extra Area if PB / Exit Area if Count=0 / Exit Area if PB / Entry Area if PB / Exit Area if 3 swipes / Entry Area if 3 swipes*).
 "PB" = Pushbutton used in conjunction with Card (Connected via "Arm" Button Input on Module)
- **More Options.** (*Extra Area Off / Request Unknown User*) REPLACES "Turn Off Extra Area" screen
- Reader 1 / Reader 2 location (Inside / Outside)
- Reader 1 / Reader 2 format. (None / Swipe / Swipe Last / Insertion / Nbit Wiegand / Nbit Fast / 26 bit / 27 bit / 30 bit / 32 bit / 34 bit / 36 bit / 37 bit / 40 bit & **IR Secure** / *ProxPIN* / **Swipe Raw** / **35 bit Wiegand**)
- Reader 1 / Reader 2 mode. (Credit Card / Direct Entry / Site Code / Any Card)
- *Reader 1 / Reader 2 keypad for PIN code options.* (LCD Terminal / Indala ARK-501 / HID 5355 / **MR Access** / 26Bit Wiegand / **IR Weather**)
- Reader 1 / Reader 2 associated module for PIN codes. (If LCD Terminal selected above)
- **Timed Anti-passback time.** (10 / 15 / 20 / 25 / 30 / 40 / 50 / 60 / 70)
- **Weatherproof Terminal Associated Area.**

Wireless Zone Registration[MENU, 7, 2, 5](V5.1 or later: Moved to MENU, 7, 2, 0, 0, 3)

- **Register / Unregister Wireless Zone Transmitters.** (Nxx:Zxx - Inovonics MF Series only)

Mini Expander Modules[MENU, 7, 2, 6]

- *Expander Number* (1 to 99)*
- *Poll Time* (1 to 255 seconds)
- *LAN Priority* (0 to 3)
- **Zone Type (per Zone)** (Normal Zone / Counter / Holdup / Suspicion / Holdup+Suspicion)
- **Zone De-bounce (per Zone in milliSeconds)**
 (5 / 10 / 20 / 30 / 40 / 50 / 75 / 100 / 200 / 300 / 400 / 500 / 600 / 750 / 1000 / 1250)

16 Zone Expander Modules[MENU, 7, 2, 7]

- *Expander Number* (1 to 99)*
- *Poll Time* (1 to 255 seconds)
- *LAN Priority* (0 to 3)
- **Battery Test Time.** (minutes)
- **Zone Debounce time.** Set by DIPswitch on Universal Expander only. (40mS / 400mS - Setting applies to all zones on the Expander.
- **Firmware Version** (Universal Expander PCB must be Revision H or later)

Intelligent 4 Door Access Modules**[MENU, 7, 2, 8]**

- Intelligent 4 Door Access Module Number (1 to 99)*
- Poll Time (1 to 255 seconds)
- LAN Priority (0 to 3)
- Battery Test Time. (1 to 255 minutes)
- Review Pacing. (00 to FF)
- Intelligent Reader Module Options. (**"Access granted" only if Door opened for 1st, 2nd, 3rd, 4th Door / Disabled Auxiliaries / Detailed Review / Tongue sense**)
- Associated Door/s. (Up to 4)
- Reader 1 to 8 format. (None / Swipe / Swipe Last / Insertion / Nbit Wiegand / Nbit Fast / 26 bit / 27 bit / 30 bit / 32 bit / 34 bit / 36 bit / 37 bit / 40 bit & IR Secure / ProxPIN / **Swipe Raw† / 35 bit Wiegand**)
- Reader 1 to 8 mode. (Credit Card / Direct Entry / Site Code / Any Card)
- Reader 1 to 8 Arming mode. (None / Extra Area if PB / Exit Area if Count=0 / Exit Area if PB / Entry Area if PB / Exit Area if 3 swipes / Entry Area if 3 swipes)
"PB" = Pushbutton used in conjunction with Card (Connected via "Arm" Button Input on Module)
- **Reader 1 to 8 Options. (Extra Area Off / Request Unknown User) REPLACES Reader 1 to 8**
Turn Off Extra Area screen.
- Reader 1 to 8 location (Inside / Outside - Door 1 / 2 / 3 / 4)
- Reader 1 to 8 associated module for PIN codes. (If LCD Terminal selected below)
- Reader 1 to 8 keypad for PIN code options. (LCD Terminal / Indala ARK-501 / HID 5355 / **MR Access / 26 Bit Wiegand†**)
- **Timed Anti-passback Time.**
- Firmware Version display. (Requires IFDAM V4 or later)

Offline options:

- "Inside Area" state assumed for Door 1 / 2 / 3 / 4. (Off / On / Deny)
- "Outside Area" state assumed for Door 1 / 2 / 3 / 4. (Off / On)
- "Interlock" state assumed for Door 1 / 2 / 3 / 4. (Closed / Open)

Hardware options:

- PROCESS LOCK OPEN TIMES IN 100MILLISECOND INCREMENTS.
(THIS OPTION SET VIA SW8 ON DIPSWITCH 2 - NOT VIA PROGRAMMING)
- **AC Fail delay time. (This option set via Sw2 on DIPswitch 1 - NOT via programming. Off=20 Sec. / On=255 Sec.)**

† Not yet supported in IFDAM firmware.

Analogue Modules**[MENU, 7, 2, 9]**

- **Analogue Module Number (1 to 99)***
- **Poll Time (1 to 255 seconds)**
- **LAN Priority (0 to 3)**
- **Auto Update Time (minutes)**
- **Options (Log Zone 1 / 2 / 3 / 4)**
- **Trigger 1 value (per Zone)**
- **Trigger 2 value (per Zone - Mode 4 only)**
- **Calibration String (per Zone - Includes Mode selection from Mode 0, 1, 2, 3, 4 OR 5)**

LAN Power Supply Modules**[MENU, 7, 2, 0, 1]**

- **LAN PS Module Number (1 to 99)***
- **Poll Time (1 to 255 seconds)**
- **LAN Priority (0 to 3)**
- **Battery Test Time. (minutes)**
- **Options (Invert Auxiliary 1 / Invert Auxiliary 2)**
- **Number of Slaves (1 to 3)**
- **Auxiliary 2 Tamper Current**
- **Battery Charger Maximum Current**
- **Detector Output Maximum Current**

RF Expander Modules (V5.1 or later) [MENU, 7, 2, 0, 2]

- RF Expander Module Number (1 to 99)*
- Poll Time (1 to 255 seconds)
- LAN Priority (0 to 3)
- Transmitter Poll Time. (1 - 255 hours)
- Options (US Jam detection / **No Siren Feedback** / Zone report / Fob report)

RF Expander Zone Registration (V5.1 or later) [MENU, 7, 2, 0, 0, 1]

- RF Expander Module to use.
- Register / Unregister RF Zone Transmitters. (View / Program / Auto)

RF Fob Registration (V5.1 or later) [MENU, 7, 2, 0, 0, 2]

- Select User
- Registration & Status

Wireless Zone Registration (Moved from MENU, 7, 2, 5) [MENU, 7, 2, 0, 0, 3]

- Register / Unregister Wireless Zone Transmitters.
(Nxx:Zxx - Inovonics MF Series only)

Communication Tasks [MENU, 7, 3, 1]

- Comms Task Number (0 to 10)*
- Communication type. (Monitor [Factory Only] / Answer Call (**with DTMF control opts**) / PCDirect ^ / IRfast / Contact ID / **EMS (Elevator Mgt System)** / EarthNet † / **WDirect** / Securitel / Printer / External Modem / Inet (formerly Multi-Drop) / **Accept** ^ (formerly CommPass) / **Poll Data** / **Pacom** / *IRfast Backup* / *CID Backup* / **GSM** / *SpreadNet* / **4+2 Pulse** / **Automation** / **32 Pin** ‡ / C-BUS / INOVONICS / **PosData DVR** / **Dynalite** / **HPM iControl** / Insight / Insight Internal Modem / **Insight External Modem** / SIA).
- Idle/Active status.
- Individual Format Programming
(See separate listing following this summary)

- † Not available in V5 or later.
- ‡ Changed from "8 Pin" to "32 Pin" in V5.6 or later.
- ^ Not available in V6 or later.

Telephone Numbers [MENU, 7, 3, 2]

- Telephone Number to program (0 to 64)*
- Telephone Number name
- Telephone Number TimeZone (0 to 250)*
- Alternative Telephone Number.
- Telephone Number.
Alpha-numeric editing (* / # / Pause)

DTMF Control [MENU, 7, 3, 3]

- **DTMF Control to program (0 to 16)***
- **Control Code (4 digit code)**
- **Function.** (Area On / Area Off / Aux On (seconds) / Aux On (minutes) / Aux Off)
- **Auxiliary to Control.**
- **Area to Operate.**
- **Auxiliary Time.**

General Options[MENU, 7, 5, 1]

- Power fail delay time (0 to 255 minutes)
- Site Code Type (Standard / **General**)
- *Clock Adjustment options.* (60 Hz MAINS [TYPE 2 CONTROLLER ONLY] / *Disable mains sync. / Clock is Fast*)
- *Clock Error factor.*
- *Panel Options1.* (No Aux Off on Reset / Detailed Review / **Fast Zone processing / Force all events to Review / ON key Lockout enabled*** [UK only] (**Formerly Fast Zone De-bounce on Control Module-50mS**) / **+1 Duress Codes / Ignore AC fail inputs / 6-digit PIN codes**)
 * Note: "ON key Lockout enabled" was "No ON key Lockout" in V4.5 to V4.99.
- *Panel Options2.* (Disable User Extra Area programming / Use Start Bit in Wiegand data / **Disable User Extra Door/DList programming / Sticky Isolate Installer only / Memory Test**)
- *Reader to be used for User Card programming. (If using Direct entry mode)*
- *Area "Deferred On" time.*
- **Control Module Battery Test Time. (minutes)**
- **General Site Code Format. Total Bits (1 to 40)**
- **General Site Code Format. Site Code Number of Bits (1 to 19)**
- **General Site Code Format. Site Code Offset**
- **General Site Code Format. User ID Number of Bits (1 to 16)**
- **General Site Code Format. User ID Offset**
- **Holdoff Siren Time. (1 to 255 minutes)**
- *Delayed Report Time.* (1 to 255 seconds)
- *Dual User Wait Time.^* (1 to 255 seconds)
- *Card Enrolment Wait Time.^* (1 to 255 seconds)
- *RF Expander Module for Fob Registration.^*
- **Ring Wait Time.**
- **Product Options.** [ELPSZWQ.] (**EN50131 processing / LAN Fail Holdoff / Prompt for Master PIN / Area User Count Review for Schematic / Special TimeZone Area control / Extra Wait Time for old Expanders / User Qualifications**)
- *Comms Task Swinger Shutdown Count. (IRfast and Contact ID formats only)*
- ^ V5.1 or later only.

Memory[MENU, 7, 5, 2]

- Memory default to use (Don't Default / Standard / Access / *Enlarged* / **Apartments [Formerly V2 Standard] / Access 2 [Formerly V2 Access]** / Special / Alarm / **XDoor / IP Door Controller / LX Lite / NZ Access**)
 See "Default Memory Configurations" table for details.
- Confirm Default. CAUTION - Erases all programming.

Function Zones[MENU, 7, 5, 3]

- Function Zone Number (0 to 128)*
- Function Zone Input definition (e.g. C01:Z09)
- Auxiliary control options. (On / Off when Seals / On / Off when Unseals)
- Auxiliary to turn on/off
- Area control options. (On / Off when Seals / On / Off when Unseals)
- Use Area List. (Y / n)
- Area (or Area List) to turn on/off

Calculated Auxiliaries[MENU, 7, 5, 4]

- Calculated Auxiliary Number (0 to 128)*
- Required Action or Function
 - Boolean Logic options. (Equal to 1st / Opp to 1st / On if 1st On / Off if 1st Off / On if 1st Off / Off is 1st On / 1st OR 2nd / 1st AND 2nd / 1st Opp 2nd (XOR) / *ON/OFF with 1st*)
 - Control options. (Area Control / Anti-passback Amnesty / Door; Lock & Unlock options / Lift; Free Access & Secure options / *Clear Area Counter options / Ripple Counter / **Clear Event Counter options / Reset Alarms [On key lockout function]***)
- Option to Trigger a Zone Input. (Instead of a Result Auxiliary)
- Result Auxiliary to control OR Zone to Trigger (If a Logic option selected)
- Area Control functions. (OFof. If Area Control selected)
- **Area Control Options*. (Use Area List / en50131 Exit processing)**
- Area (or Area List) to control (If Area Control selected)
- Door List to control (If Lock or Unlock options selected)
- Lift Car to control (If Lift Free Access or Secure options selected)
- Floor List to control (If Lift Free Access or Secure options selected)
- *Area Count to clear count. (If Clear Area count options selected)*
- **Counter to clear. (If Clear Event Counter options selected)**
- 1st Auxiliary Input.
- 2nd Auxiliary Input.
- *Result Auxiliary options. (Override time / Minute timer)*
- *Result Auxiliary time.*

* This screen was "Use Area List" from V1 to V5.24.

Home Auxiliaries[MENU, 7, 5, 5]

- Home Auxiliary Number (0 to 128)*
- Home Auxiliary name
- Auxiliary (or Auxiliary List) to control (E.g. C01:X08 or XL003)
- *Auxiliary List control options. (OFof)*
- Home Auxiliary Type (up to 8)
- Home Auxiliary Options (Toggle from Keypad / SMS Control)

Air Conditioning[MENU, 7, 5, 6]ACCESS 4000 ONLY

- *AirCon Number (0 to 4)**
- *AirCon Mode (Disabled / Industrial / Domestic)*
- *Compressor minimum on time*
- *Compressor minimum off time*
- *Number of Zones (1 to 8)*
- *Return Air Zone*
- *Zones for Bypass*
- *AirCon Options (Domestic Heat & Cool / Terminal Operation / Force Return Air Zone / No Review)*
- *Zone Dampers 1st Auxiliary*
- *Control 1st Auxiliary*
- *Thermostats 1st Zone Input*
- *Control Inputs 1st Zone Input*
- *TimeZone*
- *Areas assigned to AirCon Zones*
- *Enable Auxiliaries*
- *Disable Auxiliaries*
- *Console Auxiliaries*

Home Zones **[MENU, 7, 5, 7]**

- **Home Zone Number (0 to 64)***
- **Home Zone options (Allow Isolate)**
- **Input assigned.**
- **Home Zone name. (16 characters)**

Counters **[MENU, 7, 5, 8]**

- **Counter Number (0 to 32)***
- **Counter name. (16 characters)**
- **Input used. (Mini Expanders only - Mxx:Zxx)**
- **Counter Type (Dual Trigger point / Up/Down Counter)**
- **Trigger Count 1.**
- **Trigger Count 2.**
- **Counter Options (4 digit display / Allow to Display)**

C-Bus **[MENU, 7, 5, 9, 1]** (V4, MENU, 7, 5, 9)

- **C-BUS ENTRY NUMBER (0 to 128)***
- **C-BUS OPTIONS (2ND APPLICATION / AUXILIARY FEEDBACK / RESEND)**
- **AUXILIARY**
- **ON COMMAND (NONE / ON / OFF / 0s / 4s / 8s / 12s / 20s / 30s / 40s / 1M / 1.5M / 2M / 3M / 5M / 7M / 10M / 15M / 17M)**
- **ON GROUP ADDRESS**
- **ON RAMP LEVEL**
- **OFF COMMAND (NONE / ON / OFF / 0s / 4s / 8s / 12s / 20s / 30s / 40s / 1M / 1.5M / 2M / 3M / 5M / 7M / 10M / 15M / 17M)**
- **OFF GROUP ADDRESS**
- **OFF RAMP LEVEL**
- **RAMP THRESHOLD**

Dynalite **[MENU, 7, 5, 9, 2]**

- **Dynalite Entry Number (0 to 128)***
- **Dynalite Options (Resend)**
- **Auxiliary**
- **On Area Address**
- **On Preset or Channel level (Channel level if "Optional Channel" is non-zero)**
- **On Fade Rate**
- **Off Area Address**
- **Off Preset or Channel level (Channel level if "Optional Channel" is non-zero)**
- **Off Fade Rate**
- **Optional Channel**

HPM iControl **[MENU, 7, 5, 9, 3]**

- **HPM Entry Number (0 to 128)***
- **HPM Control Type (Disabled / Channel / Scene / Group)**
- **HPM Options (Feedback / Resend)**
- **Auxiliary**
- **HPM Channel/Scene/Group ID (CH:1-1200, SC:1-900, GRP:1-600)**
- **On Output Level (0 to 100%)**
- **On Ramp Time (0 to 65535 0.1sec increments)**
- **Off Output Level (0 to 100%)**
- **Off Ramp Time (0 to 65535 0.1sec increments)**
- **Feedback Level (0 to 100%)**

Doors[MENU, 7, 6]

- Door Number (0 to 250)*
- Door Name (0 to 16 characters)
- Inside/Outside Areas.
- Access Group (0 to 250)*
- Lock Auxiliary to activate
- Lock Open time.
- Maximum Door Open time.
- *Door Options. (Extra Area Counting / Tenancy Area Counting)*
- *Door Interlock Group. ACCESS 4000 ONLY*

Interlock Group[via MENU, 7, 6] ACCESS 4000 ONLY

- *Interlock Group Number (0 to 250)**
- *Interlock Group TimeZone (0 to 250)**
- *Alternative Interlock Group. (0 to 250)**
- *Interlock Group Options. (Qualify with Zone Input / Use Tongue Sense)*
- *Door List to Interlock*
- *Area List to Qualify against*
- *Qualify Auxiliary*
- *Qualify Zone*

LAN[MENU, 7, 8]

- Secure LAN. [1]
- Initialise LAN. [2]
- List LAN (Option not yet available) [3]
- **Statistics.** [4]
 - Reset statistics.
 - View statistics.
- Test. [5]
 - Module Type.
 - Packet Size.
 - Number to Send.
- **Reset Control Module.** [9]

Lifts[MENU, 7, 9]

- Lift Car Number (0 to 512)*
- Lift Car Name (0 to 16 characters)
- Access Group (0 to 250)*
- Floor List (0 to 250)*
- Number of Floors.
- 1st Floor Auxiliary.
- **Valid Auxiliary.**
- **Error Auxiliary.**
- **Button Area.**
- Button Time.
- **Disabled Access Time.**
- **Unused Floors.**
- **EMS ID Group/Lift.** ID numbers 1 to 15 now supported (1-F Hex). (Previously only 1 to 8)
- **Lift Options.** (Add Button Auxiliaries)
- Floor Parameters. Area assignment / Floor name.

Service [MENU, 8]

- Request Service [1]
- Test Report [2]
- Security Options [3]
 - (No PIN default / Only own code edit / Installer Lockout)
 - High current Link.**
- Answer Call [4]

Control [MENU, 9]

- Home Auxiliaries [1]
- Doors [2]
- Lifts [4]
- **Adjust Event Counters** [6]
- Adjust Area User Counters [7]
- **Amnesty (Anti-passback)** [8]

Individual Communications Format Programming

Monitor

- Port to Use (0 to 4)
- Baud Rate (300 / 600 / 1200 / 2400 / 4800 / 9600 / 19200 / 38400)

Answer Call

- Rings to Answer (0 to 255)
- Answer Options (Fax Bypass / 300 Baud Only / Callback Only / Timed Bypass / **Single DTMF** / **DTMF Control**)
- Line Test time (0 to 255 minutes)
- Special Options. (Pulse dial Main No. / Pulse dial PABX No. / Dumb dial / Force 300 baud † / *Test Mode*† / *Max. Count*† / Abort Predial / **60 Sec. re-dial**†)
- PABX number. (Selected from pre-programmed “Telephone Numbers”)
- Callback number. (Selected from pre-programmed “Telephone Numbers”)
- Customer number. (Selected from pre-programmed “Telephone Numbers”)
- Seize Auxiliary.
- **Single DTMF Tone.**
- Line Test Count.
- DTMF Tone Wait.
- Answer Wait.

† Not used in this Comms Task Format.

PC Direct (Not available in V6 or later. Contact Inner Range Technical Support for recommended alternatives)

- Port to Use (0 to 4)
- Baud Rate (300 / 600 / 1200 / 2400 / 4800 / 9600 / 19200 / 38400)

IRfast / IRfast Backup

- Client Code (4 numeric digits)
- PABX Number (Selected from pre-programmed “Telephone Numbers”)
- Telephone Number/s (Up to 4 numbers selected from pre-programmed “Telephone Numbers”)
- Dial Options (Pulse dial Main No. / Pulse dial PABX No. / Dumb dial / Force 300 baud / *Test Mode* / *Max. Count* / *Abort Predial* / **60 Sec. re-dial**)
- Reporting Options [MLGPNDI .] (Multiple Area client codes / Look ahead opt. / Gen. Open/Close / Prevent Restores / No 24Hr Offs & Area still Open / *Delayed Reporting* / *Check Isolated*)
- Area List Filter (AL001 to AL250)*
- Extra Filter (Enable / Open/Close / Alarms)
- Mapping Options (Standard / Map-1 / School 30 / School 19 / SIMS II / **Access-1** / **Pacom** / Standard2 / School19B)
- Dialer formats Special Options:
 - Maximum Attempts.
 - Backup Attempts.
 - Backup Comms Task.
 - Seize Auxiliary.
 - Pass Auxiliary.
 - PABX Dial Wait.
 - Main Dial Wait.
 - Handshake Wait.
 - Maximum Online Time.
 - Line Test Count.
- IRfast Special Options. (Send Review Text / Send Contact ID string / Send Time&Date / Link to PC / Send Panel Information / Update Panel time)
- IRfast Extra Options. (Installer/User access for Panel Control / *Allow Door Control* / Allow Auxiliary Control / Allow Area Control)

Contact ID / CID Backup

- Client Code (4 numeric digits)
- PABX Number (Selected from pre-programmed “Telephone Numbers”)
- Telephone Number/s (Up to 4 numbers selected from pre-programmed “Telephone Numbers”)
- Dial Options (Pulse dial Main No. / Pulse dial PABX No. / Dumb dial / Force 300 baud / *Test Mode* / *Max. Count* / *Abort Predial* / **60 Sec. re-dial**)
- Reporting Options [MLGPNDI .] (Multiple Area client codes / Look ahead opt. / Gen. Open/Close / Prevent Restores / No 24Hr Offs & Area still Open / *Delayed Reporting* / *Check Isolated*)
- Area List Filter (AL001 to AL250)*
- Extra Filter (Enable / Open/Close / Alarms)
- Mapping Options (Standard / Map-1 / School 30 / School 19 / SIMS II / **Access-1** / **Pacom** / Standard2 / School19B)
- Dialer formats Special Options. *See IRfast details above.*
- Contact ID Special Options. [RCT24LIU] (Add 20mS &/or 40mS to DTMF tone time / Use SIA checksum)

EMS

- **Port to Use (1 to 4)**
- **Baud Rate (300 / 600 / 1200 / 2400 / 4800 / 9600 / 19200 / 38400)**
- **Number of EMS Floors.**
- **Group 1-8 Floors. (Assign optional Floor List per Group)**
- EMS Options. V4.81 or later.
(Kone protocol / Thyssen Krupp / Detailed Review [Factory only])

EarthNet (Not available in V5 or later. Contact Inner Range Technical Support for recommended alternatives)

- Client Code (4 numeric digits)
- Reporting Options (Multiple Area client codes / Look ahead opt. / Gen. Open/Close / Prevent Restores / No 24Hr Offs & Area still Open)
- Area List Filter (AL001 to AL250)*
- Extra Filter (Enable / Open/Close / Alarms)
- Mapping Options (Standard / Map-1 / School 30 / School 19 / SIMS II / **Access-1** / **Pacom** / Standard2 / School19B)
- EarthNet Special Options. (Send Review Text / Send Contact ID string / Send Time&Date / Link to PC / Send Panel Information / Update Panel time)
- EarthNet Extra Options. (Installer/User access for Panel Control / *Allow Door Control* / Allow Auxiliary Control / Allow Area Control)
- **Polls before Test.**
- **Maximum alarms per Poll.**

WDirect (V6 or later only)

- Port to Use (0 to 4)
- Baud Rate (300 / 600 / 1200 / 2400 / 4800 / 9600 / 19200 / 38400)

Securitel

- Hard ID (4 numeric digits)
- Port to Use (1 to 4)
- Baud Rate (300 / 600 / 1200 / 2400 / 4800 / 9600 / 19200 / 38400)
- Reporting Options (Multiple Area client codes / Look ahead opt. / Gen. Open/Close / Prevent Restores / No 24Hr Offs & Area still Open / *Check Isolated*)
- Area List Filter (AL001 to AL250)*
- Extra Filter (Enable / Open/Close / Alarms)
- Special Options.
- Poll Wait time
- CommandBack Aux
- *Backup Comms Task*

Printer

- Port to Use (1 to 4)
- Baud Rate (300 / 600 / 1200 / 2400 / 4800 / 9600 / 19200 / 38400)
- Events Filter options.
Screen 1 (Alarms / Comms Triggers / Auxiliaries / Sirens / Logon/Logoff / Area On/Offs / Isolates / Modules)
Screen 2 (General / Times / Details / Comms / Lifts / Errors)
- **Area List Filter.**
- **Special Options (No CTS / All Review / EN Review)**

External Modem

- Rings to Answer (0 to 255)
- Port to Use (1 to 4)
- Baud Rate (300 / 600 / 1200 / 2400 / 4800 / 9600 / 19200 / 38400)
- Special Options. (Pulse dial Main No. / Pulse dial PABX No. / Dumb dial / Force 300 baud† / *Test Mode*† / *Max. Count*† / Abort Predial† / **60 Sec. re-dial**†)
- PABX number.† (Selected from pre-programmed "Telephone Numbers")
- Callback number.† (Selected from pre-programmed "Telephone Numbers")
- Customer number. (Selected from pre-programmed "Telephone Numbers")
- Seize Auxiliary.
- DTMF Tone Wait.
- **Single DTMF Tone.**†
- Line Test Count.†
- Answer Wait.

† Not used in this Comms Task Format.

Inet

- Port to Use (1 to 4)
- Baud Rate (300 / 600 / 1200 / 2400 / 4800 / 9600 / 19200 / 38400)
- Client Code.
- Reporting Options (Multiple Area client codes / Look ahead opt. / Gen. Open/Close / Prevent Restores / No 24Hr Offs & Area still Open / *Check Isolated*)
- Area List Filter (AL001 to AL250)*
- Extra Filter (Enable / Open/Close / Alarms)
- Mapping Options (Standard / Map-1 / School 30 / School 19 / SIMS II / Access-1 / Pacom / Standard2 / School 19B)
- Special Options. (Translate / USE ENCRYPTION / No CRC)
- ENCRYPTION KEY (8 HEX DIGITS)
- Alarm Format. (0=IRfast / 1=Text / 2=Contact ID)
- Alarm Acknowledge Time. (0 to 255 seconds)
- Test Time. (0 to 255 seconds)
- Pace Time. (0 to 255 100mSecond periods)
- Backup Comms Task

Accept (formerly CommPass)

(Not available in V6 or later. Contact Inner Range Technical Support for recommended alternatives)

- Port to Use (1 to 4)
- Baud Rate (300 / 600 / 1200 / 2400 / 4800 / 9600 / 19200 / 38400)
- Client Code.
- Reporting Options† (Multiple Area client codes / Look ahead opt. / Gen. Open/Close / Prevent Restores / No 24Hr Offs & Area still Open)
- Area List Filter† (AL001 to AL250)*
- Extra Filter† (Enable / Open/Close / Alarms)
- Accept Special Options. (Single User / Packet Nos.‡ / CRC On‡ / Encryption Key default / Debug‡)

† Not used in this Comms Task Format.

‡ Factory options only.

Poll-Data

- Port to Use (1 to 4)
- Baud Rate (300 / 600 / 1200 / 2400 / 4800 / 9600 / 19200 / 38400)
- Client Code (4 numeric digits)
- Reporting Options (Multiple Area client codes / Look ahead opt. / Gen. Open/Close / Prevent Restores / No 24Hr Offs & Area still Open / Check Isolated)
- Area List Filter (AL001 to AL250)*
- Extra Filter (Enable / Open/Close / Alarms)
- Mapping Options (Standard / Map-1 / School 30 / School 19 / SIMS II / Access-1 / Pacom / Standard2 / School19B)
- Special Options.
Backup Comms Task

Pacom

- Port to Use (1 to 4)
- Baud Rate (300 / 600 / 1200 / 2400 / 4800 / 9600 / 19200 / 38400)
- Client Code† (4 numeric digits)
- Reporting Options (Multiple Area client codes / Look ahead opt. / Gen. Open/Close / Prevent Restores / No 24Hr Offs & Area still Open / Check Isolated)
- Area List Filter (AL001 to AL250)*
- Extra Filter (Enable / Open/Close / Alarms)
- Mapping Options ("Pacom" must be selected)
- Network Address
- Encryption Key†

† Not used in this Comms Task Format.

IRfast Backup. See *IRfast*

CID Backup. See *Contact ID*

GSM Data

- Port to Use (1 to 4)
- Baud Rate (300 / 600 / 1200 / 2400 / 4800 / 9600 / 19200 / 38400)
- Service Number. (Selected from pre-programmed "Telephone Numbers")
- SMS 1 Number. (Selected from pre-programmed "Telephone Numbers")
- SMS 2 Number. (Selected from pre-programmed "Telephone Numbers")
- Contact ID Number. (Selected from pre-programmed "Telephone Numbers")
- GSM Registration Zone. (?xx:Zxx)

- GSM Options. (Backup Task / Send Contact ID Data / Send SMS Alarms / **IRfast Alarms**[†] / PIN code control only / FE2000 interface / **Update Time**[†] / Display RSSI data)
- GSM Special Options. (Area Control / Auxiliary Control / List / Isolate Zones / **No Error Replies**)

- SMS Area List Filter (AL001 to AL250)*
- SMS Extra Filter (Enable / Open/Close / Alarms)
- SMS Reporting Options (Multiple Area client codes / Look ahead opt. / Gen. Open/Close / Prevent Restores / No 24Hr Offs & Area still Open / *Check Isolated*)
- Maximum messages per 5 minutes.

- Client Code.
- Mapping Options (Standard / Map-1 / School 30 / School 19 / SIMS II / Access-1 / Pacom / Standard2 / School19B)
- CID Area List Filter
- CID Extra Filter (Enable / Open/Close / Alarms)
- CID Reporting Options (Multiple Area client codes / Look ahead opt. / Gen. Open/Close / Prevent Restores / No 24Hr Offs & Area still Open / *Check Isolated*)
- **SMS Acknowledge Time.** [Formerly Maximum attempts]
- Backup Comms Task.

- GSM SPECIAL OPTIONS:
- FE2000 VERSION NUMBER. (V4 ONLY)

- † V5.6 or later only. "IRfast Alarms" replaces "Answer Call" option which was never implemented.
 "Update Time" replaces "Debug display".
- V7.8 or later only. "IRfast Alarms" option now supports text transfer.

SpreadNet Wireless Interface

- Port to Use (1 to 4)
- Baud Rate (300 / 600 / 1200 / 2400 / 4800 / 9600 / 19200 / 38400)
- Property Code.
- Channel Number
- SpreadNet Review options. (Log Review Events for: Levels / Timeouts / Errors / Changes)
- Specify Transmitters to poll.
- Specify High priority Transmitters.

4+2 Pulse

- **Client Code** (4 numeric digits)
- **PABX Number** (Selected from pre-programmed “Telephone Numbers”)
- **Telephone Number/s** (Up to 4 numbers selected from pre-programmed “Telephone Numbers”)
- **Dial Options** (Pulse dial Main No. / Pulse dial PABX No. / Dumb dial / Force 300 baud / Test Mode / Max. Count / Abort Predial /60 Sec. re-dial)
- **Reporting Options** [MLGPNDI.] (Multiple Area client codes / Look ahead opt. / Gen. Open/Close / Prevent Restores / No 24Hr Offs & Area still Open / Delayed Reporting / Check Isolated)
- **Area List Filter** (AL001 to AL250)*
- **Extra Filter** (Enable / Open/Close / Alarms)

- **Open/Close Codes**
- **4+2 Format Options.** (2300Hz Ack / 1900Hz Data / 40 PPS / Hex / Checksum / Backup)

- **Dialer formats Special Options**
- **Maximum Attempts.**
- **Backup Attempts.**
- **Backup Comms Task.**
- **Seize Auxiliary.**
- **Pass Auxiliary.**
- **PABX Dial Wait.**
- **Main Dial Wait.**
- **Handshake Wait.**
- **Maximum Online Time.**
- **Line Test Count.**

Automation. (Note: Requires Multiport Ethernet UART V4.01 or later)

- **Port to Use** (1 to 4)
- **Baud Rate** (300 / 600 / 1200 / 2400 / 4800 / 9600 / 19200 / 38400)

- **Automation options.** [TRAP...] (Tx checksum / Rx checksum / Add CR/LF on Tx / Need PIN Code)
- **Review options.** [EXASR...] (Use EN Review / Xmit Events only / Abbreviated Review / Short+Raw Review / Raw Review Only)
- **Maximum Poll Time.** (1 to 255 Seconds. 0 = Disable)
- **“Auto OK” Zone Input**

32 Pin (Formerly “8 Pin” prior to V5.6)

- **32 Pin Options** (General Open/Close[^] / Extended Verify Time[†] / No Confirm during Entry[†] / Prevent Confirm after Entry[†])
- **Pin 1 Auxiliary**
- **Number of Pins**
- **Area Group** (00 - 15)

- **Verify Time[†]** (0 - 255 Seconds/Minutes)
- **Verify Count[†]** (0 - 255)
- **Area List Filter[†]** (AL001 to AL250)*

[^] Removed in V5.0

[†] Removed in V5.6 or later. ‘No confirm’, ‘Prevent confirm’ and ‘Verify time’ moved to Area programming.

C-Bus

- PORT TO USE (1 TO 4)
- **Baud Rate (300 / 600 / 1200 / 2400 / 4800 / 9600) ***
- PC UNIT ADDRESS (0 TO 255)
- APPLICATION #1
- APPLICATION #2
- "C-BUS OK" ZONE INPUT
- C-BUS OPTIONS (SAVE TO REVIEW)

* Note: Prior to V7.0, baud rate was fixed at 1200.

INOVONICS WIRELESS INTERFACE

- PORT TO USE (1 TO 4)
- BAUD RATE (300 / 600 / 1200 / 2400 / 4800 / 9600 / 19200 / 38400)
- APPLICATION ID.
- SYSTEM ID
- HIGH POLL RATE (0 TO 255 MINUTES)
- LOW POLL RATE (0 TO 255 x HIGH POLL)
- "IR400 OK" ZONE INPUT
- "FA400 OK" ZONE INPUT
- INOVONICS REVIEW OPTIONS. (LOG REVIEW EVENTS FOR: ALL TRANSMITTER ACTIVITY / ONLY INPUT STATUS CHANGES / ALL TRANSMITTER TIMEOUTS / ID MISMATCHES / Polls)
- SPECIFY TRANSMITTERS TO POLL.
- SPECIFY HIGH PRIORITY TRANSMITTERS.

PosData DVR

- **Port to Use (1 to 4)**
- **Baud Rate (300 / 600 / 1200 / 2400 / 4800 / 9600 / 19200 / 38400)**

Dynalite

- **Port to Use (1 to 4)**
- **Baud Rate (300 / 600 / 1200 / 2400 / 4800 / 9600 / 19200 / 38400)**
- **Dynalite Panic Zone Input.**
- **Dynalite OK Zone Input.**

HPM iControl

- **Port to Use (1 to 4)**
- **Options (Review)**
- **HPM OK Zone Input.**

Insight

- Panel ID. 8 Hex digits. (*Default setting = 00999999*)
 - Port to Use (1 to 4)
 - Baud Rate (300 / 600 / 1200 / 2400 / 4800 / 9600 / 19200 / 38400)
 - Insight Options. (*Enable Fail Zone / Prevent Port 0 / No Ping / Use DSR / IPfast connection † / Permanent Insight connection †*)
 - Ethernet options. (IPfast Call/Answer Insight/Call Insight/Path Exists)
 - RS232 options. (IPfast Call/Answer Insight/Call Insight/Path Exists)
 - FE3000 options. (IPfast Call/Answer Insight/Call Insight/Path Exists)
 - Ext Modem options. (IPfast Call/Answer Insight/Call Insight ‡/Path Exists)
 - Int Modem options. (IPfast Call/Answer Insight/Call Insight/Path Exists)
 - Insight IP Address.
 - Insight Encryption Key. (32 characters - 2 screens on LCD Term)
 - IPfast IP Address.
 - IPfast Encryption Key. (32 characters - 2 screens on LCD Term)
 - Panel IP Address.^
 - Router IP Address.^
 - Subnet Mask IP Address.^
 - Announce Port.^
 - Maximum Attempts.
 - **Answer Defer Time for Insight Ext. Modem. (0 to 255 Seconds)**
 - *IRIP Fail Zone*
 - *DNS Server host name*
 - *Primary DNS Server IP Address*
 - *Secondary DNS Server IP Address*
 - *IP Xmit Options (Preserve Pointer / Enabled)*
 - *IP Xmit ID Code*
 - *IP Xmit Format (IRfast / Contact ID / Text / IRfast+Text)*
 - *IP Xmit Backup Comms Task*
 - *IP Xmit Reporting Options (Multiple Area client codes / Look ahead opt. / Gen. Open/Close / Prevent Restores / No 24Hr Offs & Area still Open / Check Isolated)*
- ^ V5.1 or later only.
- † Removed in V5.6 or later.
- ‡ Not used in this Comms Task Format.

Internal Modem (Insight Answer Call)

- Rings to Answer (0 to 255)
- Answer Options (Fax Bypass / 300 Baud Only† / Callback Only† / Timed Bypass^ / Single DTMF† / DTMF Control / *2nd Insight*)
- Line Test time (0 to 255 minutes)
- Insight Phone number.
- IPfast Phone number.
- ISP Account
- ISP Password
- Special Options. (Pulse dial Main No./Pulse dial PABX No./Dumb dial/Force 300 baud†/Test Mode†/Max. Count†/Abort Predial/60 Sec. re-dial†)
- PABX number. (Selected from pre-programmed "Telephone Numbers")
- Callback number. (Selected from pre-programmed "Telephone Numbers")
- Customer number. (Selected from pre-programmed "Telephone Numbers")
- Seize Auxiliary.
- Single DTMF Tone.
- Line Test Count.

^ V5.1 or later only. (Not used in V5.0x)

† Not used in this Comms Task Format.

Insight External Modem (V6 or later)

- Port to Use (1 to 4)
- Baud Rate (300 / 600 / 1200 / 2400 / 4800 / 9600 / 19200 / 38400)
- Insight number. (Selected from pre-programmed "Telephone Numbers" for reference only)
- *Answer Options* (2nd *Insight* / Don't send Init string)

SIA

- Account Prefix (2 numeric digits)
- SIA Options (Use Decimal address / No Address / Send ASCII text / Send Time-Date / One alarm per packet)
- Client Code (4 numeric digits)
- PABX Number (Selected from pre-programmed "Telephone Numbers")
- Telephone Number/s (Up to 4 numbers selected from pre-programmed "Telephone Numbers")
- Dial Options (Pulse/Tone dialling / Dumb dial / 300baud † / Test Mode † / Max count)
- Reporting Options [MLGPNDI.] (Multiple Area client codes / Look ahead opt. / Gen. Open/Close / Prevent Restores / No 24Hr Offs & Area still Open / Delayed Reporting / *Check Isolated*)
- Area List Filter (AL001 to AL250)*
- Extra Filter (Enable / Open/Close / Alarms)
- Dialer formats Special Options. *See IRfast details.*

† Not used in this Comms Task Format.

Advanced Automation. Added in V7.8. (Note: Requires special PIC Micro option)

- Same protocol, features and programming options as the "Automation" Comms Task, but also assigns Big Expander Modules 1 to 8 as virtual modules (i.e. can't exist on the LAN) and allows manipulation of all the Zone Inputs on those modules.