4100
Pseudo Point Definitions
Programming Information

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DIGITAL PSEUDO POINTS

INTRODUCTION

The Programming Unit allocates one digital pseudo card (Card 128) and reserves it for system use. These digital pseudo points are defined and reserved by the system, and configured automatically by the Programming Unit. Any of these digital pseudo points can be accessed (using their zone names, P0 through P255) from either the front panel or the Programming Unit data entry screens. More digital pseudo cards can be added with the Programming Unit, if they are required.

Digital pseudo points can be set up with one of the five different point types listed below:

- **UTILITY** - status change acknowledgement is not needed.
- **FIRE** - alarm condition is initiated when active; requires acknowledge, silence, reset.
- **SUPERV** - supervisory service condition is initiated when active; requires acknowledge.
- **TROUBLE** - system trouble service condition is initiated when active; requires acknowledge.
- **PRI2** - alarm condition is initiated when active; requires acknowledge, and separate reset from alarm.

DIGITAL PSEUDO POINTS

P0  System Reset Key

ON when the SYSTEM RESET key is pressed on the operator’s interface panel.

P1  Alarm Silence Key

ON when the ALARM SILENCE key on the operator’s interface panel is pressed.

P2  Front Panel Lamptest Control

When activated, the executive program performs the Lamptest function.

P3  Fire Alarm Detect

Activated momentarily (pulsed) as the result of a fire condition in the system. Subsequent alarm conditions will cause this point to reactivate.

P4  Global Acknowledge Enable

When manually activated, this pseudo point will cause an individual acknowledge system to operate as if it were a global acknowledge system.

P5  Set Service Pseudo Values

When manually activated, this pseudo point changes the values of various “service pseudos”. When activated the system will: enable global acknowledge, disable keypad inactivity timer, reduce system reset timer, disable alarm silence inhibit, disable system trouble reminder, disable alarm verification, reduce monitor zone enable timer and change various audio messages. (See Default SMPL Program 0 for more details.)

P6  Alarm Silence

Tracks the activation of the ALARM SILENCE key or the activation of the Automatic Alarm Cutoff feature. The momentary activation of this point will turn OFF all system points programmed to turn OFF on an alarm silence.
P7 Extra Card In The System (Trouble)
ON any time a daughter card is electrically connected, but not included in the configuration file for the system. Trouble may also be caused by installing an expected daughter card with a card address that does not exist according to the configuration file for the system.

P8 Keypad Active
ON when any key on the operator's interface panel has been pressed. Will remain ON for 30 seconds after all keypad activity has ceased.

P9 System out of CQB's (Trouble)
Indicates the activation of more alarm zones with PNIS codes assigned than the physical limitations of the coding queue (allocated memory) will allow.

P10 Coded Input Active
Indicates that a mechanically coded input device (ie., a coded pull station) connected to any one of the Master Controller monitor zones (1 - 8) has been activated.

P11 Unacknowledged Fire Alarm Exists
Indicates the presence of a fire condition that has not been acknowledged. When the alarm condition is acknowledged, this point is turned OFF.

P12 Unacknowledged Supervisory Exists
Indicates the presence of a supervisory service condition that has not been acknowledged. This point turns OFF when the supervisory service condition is acknowledged or cleared.

P13 Unacknowledged Trouble Exists
Indicates the presence of a system trouble condition that has not been acknowledged. When the system trouble condition is acknowledged or cleared, this point turns OFF.

P14 System Disabled - Programmer Download (Trouble)
Active during a Programmer Download to Configuration (CFIG) RAM.

P15 CFIG RAM Write Protect Missing (SW%1) (Trouble)
Indicates that a dipswitch set during a download to CFIG RAM is not in the correct position.

P16 SMPL Program 0 - NDU System Default
Indicates an active system default program - should always be ON.

P17 SMPL Program 1 - Audio Default
If ON, indicates an active audio default program. Note that this pseudo point is valid only on systems configured for audio.

P18 SMPL Program 2 - System Options (Coding)
If ON, indicates that certain monitor zones have been programmed with PNIS codes.

P19 SMPL Program 3 - User Custom Control
If ON, indicates the existence of Custom Control SMPL equations in the program block.
P20 SMPL Program 4 - User SMPL
If ON, indicates the existence of Text Editor-generated SMPL equations in the program block.

P21 SMPL Program 5 - User SMPL
If ON, indicates the existence of Text Editor-generated SMPL equations in the program block.

P22 SMPL Program 6 - User SMPL
If ON, indicates the existence of Text Editor-generated SMPL equations in the program block.

P23 SMPL Program 7 - User SMPL
If ON, indicates the existence of Text Editor-generated SMPL equations in the program block.

P24 Coding Group 0 Active
Indicates signals playing non-PNIS codes such as march time, slow-march time, temporal, etc., are currently active.

P25 Coding Group 1 Active
Indicates signals playing PNIS codes are currently active. If multiple coding groups are set up, this pseudo point is ON when Coding Group 1 is active.

P26 Coding Group 2 Active
Indicates signals playing PNIS codes are currently active. If multiple coding groups are set up, this pseudo point is ON when Coding Group 2 is active.

P27 Coding Group 3 Active
Indicates signals playing PNIS codes are currently active. If multiple coding groups are set up, this pseudo point is ON when Coding Group 3 is active.

P28 Coding Group 4 Active
Indicates signals playing PNIS codes are currently active. If multiple coding groups are set up, this pseudo point is ON when Coding Group 4 is active.

P29 Coding Group 5 Active
Indicates signals playing PNIS codes are currently active. If multiple coding groups are set up, this pseudo point is ON when Coding Group 5 is active.

P30 Coding Group 6 Active
Indicates signals playing PNIS codes are currently active. If multiple coding groups are set up, this pseudo point is ON when Coding Group 6 is active.

P31 Coding Group 7 Active
Indicates signals playing PNIS codes are currently active. If multiple coding groups are set up, this pseudo point is ON when Coding Group 7 is active.

P32 Cold Start (Trouble)
The executive program activates this pseudo point when the system is first powered up. The pseudo point remains ON until acknowledged by the operator.
P33 **Warm Start (Trouble)**
The executive program activates this pseudo point whenever the system is initialized, either by depressing SW2 on the master controller board or as the result of a recoverable crash code. The pseudo point remains ON until acknowledged by the operator.

P34 **City Disconnect (Trouble)**
Activating this pseudo point causes the City Alarm Relay to become software disabled. The relay will remain disabled until this pseudo point is turned OFF.

P35 **Manual Evacuation Switch Input**
Activating this pseudo point initiates an alarm condition when this point turns ON the alarm pseudo, P48. This causes all general alarm functions to occur.

P36 **Elevator Bypass (Trouble)**
Activating this pseudo point software disables the elevator recall operation. The operation will remain disabled until this pseudo point is turned OFF.

P37 **Doorholder Bypass (Trouble)**
Activating this pseudo point software disables the door holder operation. The operation will remain disabled until this pseudo point is turned OFF.

P38 **Control Point Bypass (Trouble)**
Activating this pseudo point software disables the General Alarm Relay operation. The relay will remain disabled until this pseudo point is turned OFF.

P39 **System Executing from RAM (Trouble)**
ON when the system is operating from volatile data stored in Configuration RAM as the result of a download.

P40 **Automatic Detector Reset**
This pseudo point is turned ON for one polling cycle anytime a system reset is performed in WalkTest or Alarm Verification modes. Typically used in the input section of an SMPL equation to reset four-wire smoke detectors.

P41 **Master Fire Alarm ACK Key**
ON whenever the ALARM ACKNOWLEDGE key on the operator's interface panel is pressed.

P42 **Master Supervisory ACK Key**
ON whenever the SUPERVISORY SERVICE ACKNOWLEDGE key on the operator's interface panel is pressed.

P43 **Master Trouble ACK Key**
ON whenever the TROUBLE ACKNOWLEDGE key on the operator's interface panel is pressed.

P44 **Coding Bus Disable Switch**
Activating this point causes the Coded Input Bus to be disabled except for the signals and AUX relays on the Master Controller.
P45 Drill Switch Input
Activating this point momentarily activates all General Alarm audible and visible devices. However, the General Alarm Relays and the City Alarm Relay WILL NOT be activated.

P46 Door Holder Trigger
Used in the default SMPL program to ensure that the door holder bypass works like a true bypass switch.

P47 Signals/Visuals Active
Indicates that at least one audible/visible signal circuit is active.

P48 Manual Evacuation (Fire)
Activating this point initiates a general alarm condition. The default SMPL program turns this point ON when P35 (Manual EVAC Switch Input) is activated.

P49 System at Access Level 1 or Greater
P49 is ON when the operator's interface panel is used to set the system at Access Level 1 or greater.

P50 System at Access Level 2 or Greater
P50 is ON when the operator's interface panel is used to set the system at Access Level 2 or greater.

P51 System at Access Level 3 or Greater
P51 is ON when the operator's interface panel is used to set the system at Access Level 3 or greater.

P52 System at Access Level 4
P52 is ON when the operator's interface panel is used to set the system at Access Level 4.

P53 System List Overflow - Warm Start Needed (Trouble)
ON when more concurrent alarms, supervisories, or troubles occur than can be stored properly in the system's allocated RAM memory.

P54 Network Mike Keyed
(Canadian) Network microphone has been keyed and is playing the pretone. (Turning P54 On causes the talk channel to route to the network audio input.)

P55 CRT Keypad Inactivity Timer Disable
Disables the timer that refreshes the CRT screen after 30 seconds of inactivity.

P56 City Circuit STD Trouble Relay Operation
Activating this point changes the operation of the City Circuit Trouble Relay. The supervisory service condition will not be sent to the monitoring facility, nor will a trouble be inhibited by an alarm condition.

P57 Keypad Inactivity Timer Disable
Disables the timer that refreshes the LCD display (on the front panel) after 30 seconds of inactivity.
P58  System Time/Date Invalid or Not Set (Trouble)
ON after a complete power down of the system to remind you to re-enter the proper time and date. The default SMPL program sets the values that determine when this pseudo point comes on (for example, if you enter an incorrectly formatted date).

P59  Alarm Verification Tally Limit Exceeded (Trouble)
Indicates that an alarm verification zone has gone into the verification cycle the specified number of times (default equals 10) without actually verifying the alarm condition. It is a system wide indicator. Automatically clears when all tallies are less than 10.

P60  Alarm Verification Group 0 Active
ON if Alarm Verification Group 0 is presently in the verification process. Depending on programming, all verification groups can be ON simultaneously.

P61  Alarm Verification Group 1 Active
ON if Alarm Verification Group 1 is presently in the verification process. Depending on programming, all verification groups can be ON simultaneously.

P62  Alarm Verification Group 2 Active
ON if Alarm Verification Group 2 is presently in the verification process. Depending on programming, all verification groups can be ON simultaneously.

P63  Alarm Verification Group 3 Active
ON if Alarm Verification Group 3 is presently in the verification process. Depending on programming, all verification groups can be ON simultaneously.

P64  Alarm Verification Group 4 Active
ON if Alarm Verification Group 4 is presently in the verification process. Depending on programming, all verification groups can be ON simultaneously.

P65  Alarm Verification Group 5 Active
ON if Alarm Verification Group 5 is presently in the verification process. Depending on programming, all verification groups can be ON simultaneously.

P66  Alarm Verification Group 6 Active
ON if Alarm Verification Group 6 is presently in the verification process. Depending on programming, all verification groups can be ON simultaneously.

P67  Alarm Verification Group 7 Active
ON if Alarm Verification Group 7 is presently in the verification process. Depending on programming, all verification groups can be ON simultaneously.

P68  First Stage Timer Expired
(Canadian) The timer that causes EVAC signals to play if not acknowledged within 5 minutes has expired.

P69  The EVAC Message has Played
(Canadian) The Evacuation Message/Tone has played.
P70 Walk Test Group 0 Enabled (Trouble)
ON when WalkTest Group 0 has been enabled from the operator's interface panel.

P71 Walk Test Group 1 Enabled (Trouble)
ON when WalkTest Group 1 has been enabled from the operator's interface panel.

P72 Walk Test Group 2 Enabled (Trouble)
ON when WalkTest Group 2 has been enabled from the operator's interface panel.

P73 Walk Test Group 3 Enabled (Trouble)
ON when WalkTest Group 3 has been enabled from the operator's interface panel.

P74 Walk Test Group 4 Enabled (Trouble)
ON when WalkTest Group 4 has been enabled from the operator's interface panel.

P75 Walk Test Group 5 Enabled (Trouble)
ON when WalkTest Group 5 has been enabled from the operator's interface panel.

P76 Walk Test Group 6 Enabled (Trouble)
ON when WalkTest Group 6 has been enabled from the operator's interface panel.

P77 Walk Test Group 7 Enabled (Trouble)
ON when WalkTest Group 7 has been enabled from the operator's interface panel.

P78 Alarm Silence/Alarm Cutout Pseudo
Used by the default SMPL program to ensure that the system does not get multiple requests for alarm silence (i.e., alarm silence and alarm cutoff).

P79 Reset SPKRS when Audio Coding Complete
Activating this point (usually via SMPL) turns OFF the speaker circuits after audio coding is completed.

P80 Master Microphone Keyed
ON when master microphone button is depressed.

P81 Remote Microphone 1 Keyed
ON when remote microphone 1 button is depressed.

P82 Remote Microphone 2 Keyed
ON when remote microphone 2 button is depressed.

P83 Remote Microphone 1 Ready To Talk
ON when remote microphone 1 ready-to-talk indicator is illuminated.

P84 Remote Microphone 2 Ready To Talk
ON when remote microphone 2 ready-to-talk indicator is illuminated.
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<td>VTG 1 - Active</td>
<td>Normally ON when Voice Tone Generator 1 (VTG 1) is supplying any audio output (including the supervision tone).</td>
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<tr>
<td>P86</td>
<td>VTG 2 - Active</td>
<td>Normally ON when Voice Tone Generator 2 (VTG 2) is supplying any audio output (including the supervision tone).</td>
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<td>P87</td>
<td>Evacuation Message ON</td>
<td>Momentarily activating P87 starts the evacuation message/tone. Typically programmed to an annunciator switch.</td>
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<td>P88</td>
<td>Evacuation Message OFF</td>
<td>Momentarily activating P88 stops the Evacuation Message/Tone.</td>
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<td>P89</td>
<td>Evacuation Message LED</td>
<td>P89 tracks the in-progress Evacuation Message/Tone.</td>
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<td>P90</td>
<td>Alert Message ON</td>
<td>Momentarily activating P90 starts the Alert Message/Tone. Typically programmed to an annunciator switch.</td>
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<td>P91</td>
<td>Alert Message OFF</td>
<td>Momentarily activating P91 stops the Alert Message/Tone.</td>
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<td>P92</td>
<td>Alert Message LED</td>
<td>P92 tracks the in-progress Alert Message/Tone.</td>
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<td>P93</td>
<td>Drill Message ON</td>
<td>Momentarily activating P93 starts the Drill Message/Tone. Typically programmed to an annunciator switch.</td>
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<td>P94</td>
<td>Drill Message OFF</td>
<td>Momentarily activating P94 stops the Drill Message/Tone.</td>
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<td>P95</td>
<td>Drill Message LED</td>
<td>P95 tracks the in-progress Drill Message/Tone.</td>
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<td>P96</td>
<td>All Clear Message ON</td>
<td>Momentarily activating P96 starts the All Clear Message/Tone. Typically programmed to an annunciator switch.</td>
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<tr>
<td>P97</td>
<td>All Clear Message OFF</td>
<td>Momentarily activating P97 stops the All Clear Message/Tone.</td>
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<td>P98</td>
<td>All Clear Message LED</td>
<td>P98 tracks the in-progress All Clear Message/Tone.</td>
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P99 AUX MSG 1 ON
Momentarily activating P99 starts the AUX 1 Message/Tone. Typically programmed to an annunciator switch.

P100 AUX MSG 1 OFF
Momentarily activating P100 stops the AUX 1 Message/Tone.

P101 AUX MSG 1 LED
P101 tracks the in-progress AUX 1 Message/Tone.

P102 AUX MSG 2 ON
Momentarily activating P102 starts the AUX 2 Message/Tone. Typically programmed to an annunciator switch.

P103 AUX MSG 2 OFF
Momentarily activating P103 stops the AUX 2 Message/Tone.

P104 AUX MSG 2 LED
P104 tracks the in-progress AUX 2 Message/Tone.

P105 Phone Paging ON
Momentarily activating P105 enables phone-to-audio interface operation. Typically programmed to an annunciator switch.

P106 Phone Paging OFF
Momentarily activating P106 will terminate the phone-to-audio interface.

P107 Phone Paging LED
P107 tracks that the phone-to-audio interface is active.

P108 Audio Override ON
Momentarily activating P108 will override any future audio tones or messages. It will not stop any messages in progress at the time of activation. Typically programmed to an annunciator switch.

P109 Audio Override OFF
Momentarily activating P109 will terminate the audio override.

P110 Audio Override Trouble (Trouble)
P110 tracks that the audio override is currently selected.

P111 All Speakers Minus ON
Momentarily activating P111 will turn ON all speaker circuits that are not active on the Evacuation Channel and switch them to the Alert/Talk Channel. Typically programmed to an annunciator switch. (Works on 2-channel systems only.)

P112 All Speakers Minus OFF
Momentarily activating P112 will shut OFF the speaker circuits routed to the Alert Channel.
P113 All Speakers Minus LED
P113 tracks that all speakers not routed to the Evacuation Channel have been routed to the Alert Channel and turned ON.

P114 All Speakers Channel 1 ON
Momentarily activating P114 turns ON all speaker circuits to Channel 1 and plays any active message or tone. If no message or tone is active, speakers will be silent.

P115 All Speakers Channel 1 OFF
P115 turns OFF the speaker circuits.

P116 All Speakers Channel 1 LED
P116 indicates that all speakers are switched to Channel 1.

P117 All Speakers Channel 2 ON
Momentarily activating P117 turns ON all speaker circuits to Channel 2 and plays any active message or tone. If no message or tone is active, speakers will be silent.

P118 All Speakers Channel 2 OFF
P118 turns OFF the speaker circuits.

P119 All Speakers Channel 2 LED
P119 indicates that all speakers are switched to Channel 2.

P120 All Speakers Channel 3 ON
Momentarily activating P120 turns ON all speaker circuits to Channel 3.

P121 All Speakers Channel 3 OFF
P121 turns OFF the speaker circuits to Channel 3.

P122 All Speakers Channel 3 LED
P122 indicates that all speakers are switched to Channel 3.

P123 Local Speaker EVAC ON
Momentarily activating P123 turns ON the local speaker to the Evacuation Channel and plays any active message or tone. If no message or tone is active, the speaker will be silent. Typically programmed to an annunciator switch.

P124 Local Speaker EVAC OFF
P124 turns OFF the local speaker.

P125 Local Speaker EVAC LED
P125 indicates that the local speaker is switched to the Evacuation Channel.
P126 Local Speaker Alert ON

Momentarily activating P126 turns ON the local speaker to the Alert Channel and plays any active message or tone. If no message or tone is active, the speaker will be silent. Typically programmed to an annunciator switch.

P127 Local Speaker Alert OFF

P127 turns OFF the local speaker.

P128 Local Speaker Alert LED

P128 indicates that the local speaker is switched to the Alert Channel.

P129 All Speakers Talk ON

Momentarily activating P129 turns ON all speakers to the Talk Channel. Typically programmed to an annunciator switch.

P130 All Speakers Talk OFF

P130 turns OFF all speakers.

P131 All Speakers Talk LED

P131 indicates that all speakers are switched to the Talk Channel.

P132 Analog Sensor Almost Dirty Log Enable (Trouble)

Activating this point lowers the dirty threshold by 10 analog units. This allows any analog sensors that are approaching the dirty threshold to report as dirty to the historical trouble log. (Note: For Field Service use.)

P133 Log Analog Sensor Peak Value Enable

Activation of this point allows any analog sensor’s new peak value, subsequent to the activation of this pseudo, to be entered into the historical trouble log.

P134 Clear Analog Sensor Peak Value (Trouble)

Activation of this point will clear the analog sensor peak values that are currently stored by the system. Used in conjunction with A79.

P135 All Alert

(Canadian) All speakers are turned ON and routed to the Alert channel.

P136 All EVAC

(Canadian) All speakers are turned ON and routed to the EVAC channel.

P137 All Alert LED

(Canadian) Tracks that all speakers are ON and routed to the Alert channel.

P138 Master Mike Pretone Playing on VTG2

ON when the Master Mike Pretone is playing on VTG 2.
P139 Remote Mike 1 Pretone Playing on VTG2
   ON when the Remote Mike 1 Pretone is playing on VTG 2.

P140 Remote Mike 2 Pretone Playing on VTG2
   ON when the Remote Mike 2 Pretone is playing on VTG 2.

P141 Manual Audio EVAC ON
   Momentarily activating P141 causes all speaker circuits (L90) to turn ON and the Evacuation Message/Tone will be played.

P142 Manual Audio EVAC OFF
   Momentarily activating P142 will silence the Evacuation Message/Tone and turn OFF all speaker circuits.

P143 Manual Audio EVAC LED
   P143 tracks that manual evacuation is in progress.

P144 Disable Supervision on VTG 1 (2120 Appl)
   When ON, the supervision tone on VTG 1 is turned OFF. Mainly used in 2120 Interface applications to ensure that the supervision tone is OFF before turning ON speakers.

P145 Disable Supervision on VTG 2 (2120 Appl)
   When ON, the supervision tone on VTG 2 is turned OFF. Mainly used in 2120 Interface applications to ensure that the supervision tone is OFF before turning ON speakers.

P146 Empty Audio Service Queue
   Indicates no audio codes/messages/tones waiting to be played.

P147 EVAC MSG Playing when Microphone Keyed
   Indicates that the Evacuation Message/Tone was playing when the microphone was initially keyed. (Used to restart EVAC message when mike is unkeyed.)

P148 System out of AQB'S (Trouble)
   Indicates more alarm zones with Voice/Tone PNIS codes assigned are activated than the physical limitations of the audio coding queue (allocated memory) will allow.

P149 Speaker Switch Off Auto (Trouble)
   If a speaker selection switch (maintained type) is left in the up or down position, a system trouble will be generated. This condition will exist until switch is returned to center position (auto). Typically found with dual or triple channel systems.

P150 Audio Coding Group 1 Active
   ON when PNIS-type Audio Coding Group 1 is active.

P151 Audio Coding Group 2 Active
   ON when PNIS-type Audio Coding Group 2 is active.
P152  VTG 1 - Audio Supervision Active
ON when the VTG 1 supervision tone is active.

P153  VTG 2 - Audio Supervision Active
ON when the VTG 2 supervision tone is active.

P154  Phone Talk Line Relay Feedback
Indicates talk line relay is ON.

P155  Phone Network Relay Feedback
Indicates network relay is ON.

P156  Local Master Phone Handset Off Hook
ON when master phone handset is out of its cradle.

P157  Phone Talk Line Relay Control Input
Turned ON by the Executive program when the optional switch on the phone card is used to turn ON the network relay. Used by Custom Control/SMPL.

P158  Phone Network Relay Control Input
Turned ON by the Executive program when the optional switch on the phone card is used to turn ON the talk line. Used by Custom Control/SMPL for network operation.

P159  Phone Talk Line Relay Control
Turns talk line ON/OFF in conjunction with remote master or satellite remote master phones.

P160  Phone Network Relay Control
When P160 is turned ON, the Master Controller tells the phone card to connect to the network. Controlled by Custom Control/SMPL/Modes/2120.

P161  Master Phone Offhook Supervision (Trouble)
ON 90 seconds after the master phone is removed from cradle if no communication has taken place during this time.

P162  Master Mike Pretone Playing on VTG1
ON when the Master Microphone Pretone is playing on VTG 1.

P163  Remote Mike 1 Pretone Playing on VTG1
ON when the Remote Microphone 1 Pretone is playing on VTG 1.

P164  Remote Mike 2 Pretone Playing on VTG1
ON when the Remote Microphone 2 Pretone is playing on VTG 1.

P165  Amps Switched to Battery
Switches the amplifiers to standby batteries if any speakers are ON or there is an alarm and the system is in a brownout or AC power loss condition.
P166 Enable Rm Phone to Rm Phone Conversation
Used by the default SMPL program to allow two remote master telephones to talk to each other. May be turned ON/OFF via user SMPL or Custom Control program.

P167 Alert Msg Playing when Microphone Keyed
ON to indicate that the Alert Message/Tone was active when microphone was initially keyed. (Used to restart Alert Message when mike is unkeyed.)

P168 Microphone to EVAC in Effect
ON to indicate that the microphone is switched to the Evacuation Channel.

P169 Microphone to ALERT in Effect
ON to indicate that the microphone is switched to the Alert Channel.

P170 Microphone to TALK (Channel 3) in Effect
ON to indicate that the microphone is switched to the Talk Channel.

P171 Background Music Relay Channel 1
Activating this pseudo point will turn ON the background music relay for Channel 1.

P172 Background Music Relay Channel 2
Activating this pseudo point will turn ON the background music relay for Channel 2.

P173 Background Music Relay Channel 3
Activating this pseudo point will turn ON the background music relay for Channel 3.

P174 VTG 1 Code's Precede Playing
The precede is currently playing on VTG 1.

P175 VTG 1 Code's Aftercode Playing
The aftercode is currently playing on VTG 1.

P176 After Code Start - VTG 1
Used in the audio default program to start the aftercode when the coding group has completed its PNIS code(s).

P177 VTG 1 'Quiet' Message Playing
Used in the audio default program to show that the quiet message is playing.

P178 VTG 2 Code's Precede Playing
The precode is currently playing on VTG 2.

P179 VTG 2 Code's Aftercode Playing
The aftercode is currently playing on VTG 2.
P180 After Code Start - VTG 2
Used in the audio default program to start the aftercode when the coding group has completed its PNIS code(s).

P181 VTG 2 'Quiet' Message Playing
Used by the audio default SMPL program to silence VTG 2.

P182 VTG1 Code Start (2120 Appl)
Used for audio codes from 2120. When all of the 2120 speakers are routed and turned ON, the 2120 turns ON P182. This action commands the 4100 to silence the Quiet message, thus allowing the codes on the queue to play.

P183 Stop VTG1 Queue (2120 Appl)
Used for audio codes from 2120. When P183 is turned ON by the 2120, the 4100 plays a "QUIET" message, thus preventing the codes on the queue from playing.

P184 VTG2 Code Start (2120 Appl)
Used for audio codes from 2120. When all of the 2120 speakers are routed and turned ON, the 2120 turns ON P184. This action commands the 4100 to turn OFF P185 (and the "QUIET" message), thus allowing the codes on the queue to play.

P185 Stop VTG2 Queue (2120 Appl)
Used for audio codes from 2120. When P185 is turned ON by the 2120, the 4100 plays a "QUIET" message, thus preventing the codes on the queue from playing.

P186 Mike Disable
Turned ON by audio default SMPL program. Actually disables the microphone. See explanation of analog pseudo points A87 and A88 for more information.

P187 VTG & Amplifier Trouble Disable
Used by the audio default SMPL program to disable amplifier and VTG nuisance troubles whenever possible.

P188 VTG Supervision Tone Not Active (Trouble)
ON indicates that the supervision tone has been OFF for at least 180 seconds.

P189 Satellite Phone Timeout Disable
Turned ON to prevent a 4100 from turning OFF its phones due to timeout.

P190 Network Mike Pretone Playing
(Canadian) Network mike is keyed and the pretone is playing.

P191 Master Mike Keyed
Master Microphone is keyed, in conjunction with 5 second unkey timer (Analog Pseudo A103).

P192 Remote Mike 1 Keyed
Remote Microphone #1 is keyed, in conjunction with 5 second unkey timer (Analog Pseudo A104).
P193 Remote Mike 2 Keyed
Remote Microphone #2 is keyed, in conjunction with 5 second unkey timer (Analog Pseudo A105).

P194 Mikes are Ready to Page
(Canadian) Microphones are ready for the paging function. Used by Canadian audio default SMPL program.

P195 S21 Switch Activated
(Canadian) Annunciator speaker switch with Mode S21 programmed, is activated. (Used in Canadian default to start EVAC and Alert messages.)

P196 RAM Battery Missing/Failed (Trouble)
Lithium battery (system RAM backup) is missing or failed (UT/4100+ systems).

P197 2120 1 Comm Loss
For use with UTs, to indicate communication loss on Port 1 (A) of the 2120 Interface Card.

P198 Inhibit Sonalert
Introduced for UT, to suppress the operation of the sonalert when this pseudo point is ON.

P199 Inhibit Alarm Default
Introduced for UT to inhibit the default program operation while the UT is communicating with the 2120. Turned OFF to give the UT default local mode operation.

P200 Force Cold Start
Initiates a cold start of the UT or 4100+ system. If system RAM battery backup is enabled, this point must be turned ON to cold start the system.

P201 AC Voltage Failure/Brownout
This point is active when an AC power failure occurs or the system goes into brownout (less than 102 VAC).

P202 Detector Reset
For use on UTs, to drop power to the monitor zones on this UT only.

P203 LCD Annunciators Override Keyswitch
Indicates Override Keyswitch is ON.

P204 Signals Silenced
Controls the Alarm Silenced LED on the front panel & LCD annunciators. PSEUDO ON = LED ON.

P205 TrueAlarm™ Sensitivity Modified (Trouble)
Activates a trouble when any TrueAlarm sensor's sensitivity is altered from the front panel. Trouble clears when all TrueAlarm sensors are restored to "default" sensitivity.

P206 Print Queue Overflow (Trouble)
Activates a trouble when the internal software print queue has overflowed due to excessive system activity.
P207 Network Diagnostic Mode (Trouble)
This trouble point activates when a diagnostic control action is taken while in a network diagnostics menu. This trouble clears when all diagnostic functions are turned off or following the Warm Start needed to clear the Level 4 trouble.

P208 Out of NQB’s (Trouble)
This trouble point activates when the Master Controller sends more network points to the Network Card than can be stored in memory (the Network Queue is full). This trouble requires a Warm Start to clear.

P209 Communications Short Circuit Trouble (Trouble)
Activates a trouble when External RUI lines are shorted in a 4020 system. This trouble clears when short is removed and a System Reset is performed.

P210 Network Detector Reset
When activated by another node, this point starts the system reset process/timers. An external copy of it will usually be placed into L103 External Detector Reset Points of a “master” node so it will automatically be controlled by Default SMPL Program 0. (Used in conjunction with P211 to perform a 2-step reset.)

P211 Network System Reset
When activated by another node, this point signals a completed and successful network-wide system reset. This point is activated only by the “master” node when all alarms have cleared from the network.

P212 Detector/System Reset
When activated by another node, this point equals the same effect as pressing the local system reset key, i.e. all reset timers and the decision to declare the panel free of alarms is handled by the local panel, not by the node where the System Reset key is pressed. This operation is possible only if P212 is declared external and tagged as part of L105, External Entire System Reset Point in the nodes that have remote control of system reset. This point is used in a Distributed SMPL Control Network where every node is in control of its own general alarm output points.

P213 4120 Network Card Configured
This point is used by Default SMPL Program 0 to determine whether or not a particular system is a node connected to a 4120 Network.

P214 Clear Alarm Verification Tallies (Trouble)
When activated, this point clears all alarm verification tallies in the local panel. The Alarm Verification Tally Limit Exceeded trouble point is cleared by this point.

P215 Priority 2 Alarm Detect
Activated momentarily (pulsed) as the result of a Priority 2 alarm in the system. Subsequent Priority 2 alarms cause this point to reactivate.

P216 Priority 2 Alarm Reset Request
Triggers a Priority 2 reset.

P217 Network Signal Silence
When activated by another node, this point starts alarm silence. A typical application for this point would include the need for a central network-wide signal silence from an NDU or some other central annunciator panel.
P218 Unacknowledged Priority 2 Alarm Exists
Indicates the presence of a Priority 2 alarm that has not been acknowledged. When the Priority 2 is acknowledged, this point turns OFF.

P219 Master Priority 2 Alarm ACK Key
ON whenever the PRIORITY 2 ACKNOWLEDGE key on the operator's interface panel is pressed.

P220 Network Priority 2 Reset
Triggers a Priority 2 reset when activated by another node.

P221 Signals Active - Off On Silence
Activates (turns ON) when Silencable Signals (Signals in L8, L12, and L24) turn ON.

P222 Remote Download Enabled (Trouble)
Activates a trouble when a panel is enabled (ready to accept) a remote download through the RS232 or Network interface cards.

P223 Master Microphone Ready to Talk
ON when master microphone ready-to-talk indicator is illuminated.
ANALOG PSEUDO POINTS

INTRODUCTION

By default, the programming unit allocates one analog pseudo card (Card 144) for every system. The first 128 points (A0 through A127) are reserved for system use, while points A128 through A255 are user-defined pseudo points. Any analog pseudo point (A0 through A255) can be addressed using its zone name, either by the front panel keypads or on any of the programming unit's data entry screens. Additional analog pseudo cards can be configured in groups of 256 using the programming unit.

Analog points are used primarily as timers or counters, but they can also be used to store a number (setpoint), which is set by the programming unit based on selected options or via custom SMPL. Analog pseudos also have an ON/OFF status associated with them. If the value currently stored in an analog pseudo point is greater than zero, that analog pseudo point can be considered to have an ON state.

Analog pseudos can be one of three point types. Note that although the programming unit assigns point types to analog pseudos, there is no special processing or display formatting done by the executive program based upon the point type. The main purpose of assigning the proper point type is to remind you of the functionality of the point.

DEFINITIONS

Analog - generic analog pseudo, typically used for timer and/or counter setpoints initialized by the programming unit.
Timer - typically used to store the running timer value of an SMPL function like delay, cycle, or pulse.
Counter - typically used to store the real time value of an SMPL counter function.

ANALOG PSEUDO POINTS

A0 Number of System Fire Alarms
This point stores the number of active alarm conditions in the system (ACKed or not). Used in the alarm counts display.

A1 Number of System Supervisories
This point stores the number of active supervisory conditions in the system (ACKed or not). Used in the alarm counts display.

A2 Number of System Troubles
This point stores the number of active trouble conditions in the system (ACKed or not). Used in the alarm counts display.

A3 Number of Old (Uncleared) Fire Alarms
This point stores the number of active, acknowledged alarm conditions in the system.

A4 Number of Old (Uncleared) Supervisories
This point stores the number of active, acknowledged supervisory conditions in the system.

A5 Number of Old (Uncleared) Troubles
This point stores the number of active, acknowledged trouble conditions in the system.
A6  **Current Hour**
This pseudo point stores the value of the current hour. For use in custom SMPL equations using the current time as a comparison.

A7  **Current Minute**
This pseudo point stores the value of the current minute. For use in custom SMPL equations using the current time as a comparison.

A8  **Current Second**
This pseudo point stores the value of the current second. For use in custom SMPL equations using the current time as a comparison.

A9  **Current Day**
This pseudo point stores the value of the current day. For use in custom SMPL equations referencing a specific date.

A10 **Current Month**
This pseudo point stores the value of the current month. For use in custom SMPL equations referencing a specific date.

A11 **Current Year**
This pseudo point stores the value of the current year. For use in custom SMPL equations referencing a specific date.

A12 **Current Access Level**
Stores the value of the current access level of the system.

A13 **Access Level Timeout**
Stores the timer value that returns the system to an Access Level 1 if the keypads are inactive for the amount of time specified by this point (default equals 600).

A14 **System Reset Window Timer**
Pseudo points A14 and A15 work in conjunction with each other. The SYSTEM RESET key, via the default SMPL program, starts A14 timer counting towards the value stored in A15 (default equals 30). Active when a system reset is in progress.

A15 **System Reset Window Timer Setpoint**
Pseudo points A14 and A15 work in conjunction with each other. The SYSTEM RESET key, via the default SMPL program, starts the A14 timer counting towards the value stored in A15 (default equals 30).

A16 **Detector Reset Pulse Timer**
The default SMPL program pulses this pseudo point ON for one polling cycle at system reset. Read by the Master Exec program and used to perform a detector reset.

A17 **4-wire Reset Relay Pulse Timer**
This is used in the default SMPL program to pulse the four-wire detector reset relays.
A18 Fire Alarm Clear Delay Timer
Pseudo points A18 and A19 work in conjunction with A20. A18 is used to send the “ALARMS PRESENT - SYSTEM RESET ABORTED” message to the LCD and to the RS232 ports.

A19 Fire Alarm Clear Delay Timer Setpoint
Pseudo points A18 and A19 work in conjunction with A20. A19 is set to a value of 5 by the Master Exec program. It is used as the set point for A18.

A20 Fire Alarm Clear Pulse Timer
A20 is turned ON 5 seconds after a system reset is attempted. It is used by the Master Exec program during alarm condition clearing attempts.

A21 System Reset Pulse Timer
Upon a verified system reset, this pseudo point turns ON for one polling cycle. A21 will not turn ON if an alarm exists at the end of the system reset window timer (A14) period. Use A21 when resetting a system point in a Custom Control/SMPL equation.

A22 Alarm Silence Inhibit Timer
Pseudo points A22 and A23 work in conjunction with each other, and are defined in the programming unit via the selection of this feature. When the alarm silence key is pressed, the default program determines if A22 is currently active. If it is, the alarm silence will not occur.

A23 Alarm Silence Inhibit Timer Setpoint
Pseudo points A22 and A23 work in conjunction with each other, and are defined in the programming unit via the selection of this feature. A23 (default equals 60 seconds) is set via the programming unit operations submenu.

A24 Fire Alarm Cutout Timer
Pseudo points A24 and A25 work in conjunction with A26 to automatically silence the alarm signals. A25 stores the value used in A24. Along with other qualifications set up in the default SMPL program, A26 turns ON for one polling cycle to silence the alarm signals.

A25 Fire Alarm Cutout Timer Setpoint
Pseudo points A24 and A25 work in conjunction with A26 to automatically silence the alarm signals. A25 stores the value used in A24.

A26 Fire Alarm Cutout Silence Pulse Timer
Pseudo points A24 and A25 work in conjunction with A26 to automatically silence the alarm signals. Along with other qualifications set up in the default SMPL program, A26 turns ON for one polling cycle to silence the alarm signals.

A27 Trouble Reminder Cycle Timer
Pseudo points A27 and A28 work in conjunction with A29. A28 (default equals 28800 seconds) stores the duration value of the timer between actual trouble reminders (i.e., the time between reminders). A29 (default equals 5 seconds) stores the duration value of the reminder (i.e., how long will the piezo be ON). A27 is the timer that keeps track of these real time values.
A28  Trouble Reminder Off-Time Setpoint
Pseudo points A27 and A28 work in conjunction with A29. A28 (default equals 28800 seconds) stores the duration value of the timer between actual trouble reminders (i.e., the time between reminders). A29 (default equals 5 seconds) stores the duration value of the reminder (i.e., how long will the piezo be ON). A27 is the timer that keeps track of these real time values.

A29  Trouble Reminder On-Time Setpoint
Pseudo points A27 and A28 work in conjunction with A29. A28 (default equals 28800 seconds) stores the duration value of the timer between actual trouble reminders (i.e., the time between reminders). A29 (default equals 5 seconds) stores the duration value of the reminder (i.e., how long will the piezo be ON). A27 is the timer that keeps track of these real time values.

A30  Door Holder Alarm Drop Timer
Pseudo points A30 and A31 work in conjunction with each other. A31 stores the door holders delay value (i.e., the amount of time that the door holders delay after an alarm condition before they actually release the door magnets). A30 keeps track of the running timer.

A31  Door Holder Alarm Drop Timer Setpoint
Pseudo points A30 and A31 work in conjunction with each other. A31 stores the door holders delay value. A30 keeps track of the running timer.

A32  Door Holder Brownout Drop Timer
Pseudo points A32 and A33 work in conjunction with each other. A33 stores the value that the door holders delay after a brownout or loss of AC before they actually release the door magnets. A32 keeps track of the running timer.

A33  Door Holder Brownout Drop Timer Setpoint
Pseudo points A32 and A33 work in conjunction with each other. A33 stores the value that the door holders delay after a brownout or loss of AC before they actually release the door magnets. A32 keeps track of the running timer.

A34  System Startup Pulse Timer
Momentarily pulsed ON by the default SMPL program after either a cold or warm start. Typically used to control system points and set pseudos values upon system initialization.

A35  Fire Alarm Audible Signal Operation
Stores the value that corresponds to a specific type of signal operation. The definitions for these values can be found in the default SMPL program.

A36  Fire Alarm Visual Signal Operation
Stores the value that corresponds to a specific type of signal operation. The definitions for these values can be found in the default SMPL program.

A37  Alarm Verification - Retard Time
The three timer pseudos (A37, A38, and A39) store the values for the alarm verification parameters. Default value for A37 is 30 seconds.
A38  Alarm Verification - Reset Time
The three timer pseudos (A37, A38, and A39) store the values for the alarm verification parameters. Default value for A38 is 15 seconds.

A39  Alarm Verification - Confirmation Time
The three timer pseudos (A37, A38, and A39) store the values for the alarm verification parameters. Default value for A39 is 120 seconds.

A40  Alarm Verification - Tally Limit
Stores the value that determines when digital pseudo point P59 (alarm verification tally limit exceeded) is turned ON.

A41  Walk Test Abort Timeout Setpoint
Stores the value of a timer that automatically aborts the WalkTest™ eight hours after initiation, if the test has not begun.

A42  Walk Test Reactivate Delay Setpoint
Stores the value of the timer window used to delay WalkTest™ reactivation (default equals 60 seconds). Note that this analog pseudo is a defined setpoint to be read by the Master Exec program, not the actual timer.

A43  Monitor Zone Enable Delay Setpoint
Stores the value of the timer window used when enabling a monitor zone from the display/action keypad.

A44  Coded Input Timeout Setpoint
Stores the value of the timer window started after a mechanically coded input (C. I.) stops. When this timer expires, the C. I. active digital pseudo point turns OFF. Note that this analog pseudo is a defined setpoint to be read by the Master Exec program, not the actual timer.

A45  Off Time after PNIS (Non-cont.) Codes
Stores the value of the delay between successive PNIS codes. Another PNIS code cannot play until this timer expires. Note that this analog pseudo is a defined setpoint to be read by the Master Exec program, not the actual timer.

A46  City Circuit Configuration
Stores the value of the current City Circuit alarm configuration. This value is set by the programming unit when the appropriate City Circuit configuration is selected.

A47  ALERT TONE/MSG after Microphone Unkeyed
Stores the message/tone number that will be played on the Alert Channel after the microphone is keyed (if a message/tone was playing previously).

A48  Total Audio Channels
Stores the number of audio channels configured for the system.

A49  Channel 1 Routing
Stores a number for Audio Channel 1 that is linked to a specific hardware component in the system. For example, if A49 equals 8, the routing for Channel 1 is to the Master Microphone.
A50 Channel 2 Routing
Stores a number for Audio Channel 2 that is linked to a specific hardware component in the system. For example, if A50 equals 8, the routing for Channel 2 is to the Master Microphone.

A51 Channel 3 Routing
Stores a number for Audio Channel 3 that is linked to a specific hardware component in the system. For example, if A51 equals 8, the routing for Channel 3 is to the Master Microphone.

A52 Local Routing
Stores a number for the local speaker that is linked to a specific hardware component in the system. The value of the number is defined in the audio default SMPL program.

A53 EVAC TONE/MSG After Microphone Unkeyed
Stores the message/tone number that will be played on the Evacuation Channel after the microphone is unkeyed (if EVAC message/tone was previously playing).

A54 Supervision MSG#
Stores the message/tone number that is used for the Supervision Message within the system.

A55 Evacuation MSG#
Stores the message/tone number that is used for the Evacuation Message within the system.

A56 Alert MSG#
Stores the message/tone number that is used for the Alert Message within the system.

A57 Drill MSG#
Stores the message/tone number that is used for the Drill Message within the system.

A58 All Clear MSG#
Stores the message/tone number that is used for the All Clear Message within the system.

A59 AUX 1 MSG#
Stores the message/tone number that is used for the AUX 1 Message within the system.

A60 AUX 2 MSG#
Stores the message/tone number that is used for the AUX 2 Message within the system.

A61 Microphone Pretone MSG#
Stores the message/tone number that is used for the Microphone Pretone Message within the system.

A62 Phone Offhook Timer
Pseudo point A62 is a 90 second Master Phone Offhook Running Timer used in the default SMPL program.

A63 Phone Callback Timer
Running delay timer that allows remote Master Phones to call back the “real” Master Phone after the master has hung up. Used in conjunction with A69.
A64 Phone Timeout Timer
Running delay timer for phone timeout.

A65 Remote Master Phone Timeout Timer
Running delay timer to turn OFF remote Master Phones. The default equals 10 seconds.

A66 Speaker Switch OFF Auto Count
Stores the number of speaker circuit selection switches of the maintained type that are in either the up or down position. Used to determine when digital pseudo point P149 is turned ON.

A67 Audio Reset Pulse Timer
Pulsed for one polling cycle on system reset or startup to reset audio amplifiers.

A68 VTG 1 Priority
Stores the control priority from the default audio SMPL program or from user-written Custom Control/SMPL equations.

A69 VTG 2 Priority
Stores the control priority from the default audio SMPL program or from user-written Custom Control/SMPL equations.

A70 Channel 1 Routing Priority
Stores the control priority from the default audio SMPL program or from user-written Custom Control/SMPL equations.

A71 Channel 2 Routing Priority
Stores the control priority from the default audio SMPL program or from user-written Custom Control/SMPL equations.

A72 Channel 3 Routing Priority
Stores the control priority from the default audio SMPL program or from user-written Custom Control/SMPL equations.

A73 Local Speaker Routing Priority
Stores the control priority from the default audio SMPL program or from user-written Custom Control/SMPL equations.

A74 Audio Supervision Pulse Timer VTG1
When all conditions are met for audio supervision to be active, a delay stored by A131 is used before actually turning ON the supervision tone.

A75 Audio Supervision Pulse Timer VTG2
When all conditions are met for audio supervision to be active, a delay stored by A131 is used before actually turning ON the supervision tone.

A76 ENABLE/DISABLE Statistic Group
For Headquarters use.
A77  ENABLE/DISABLE Statistic Output Port
For Headquarters use.

A78  5 Sec Timer For Remote Master Phones
Turns the remote master phones OFF for 5 seconds. Used to verify supervision.

A79  Clear Peak Pulse
Used by the Default SMPL Program to clear the peak analog values stored in the system for all TrueAlarm™
sensors. Used in conjunction with P134.

A80  Precode Message Number - VTG 1
Stores the precode message/tone number for VTG 1.

A81  After Code Message Number - VTG 1
Stores the after code message/tone number for VTG 1.

A82  Precode Message Number - VTG 2
Stores the precode message/tone number for VTG 2.

A83  After Code Message Number - VTG 2
Stores the after code message/tone number for VTG 2.

A84  "Quiet" Message Number
Stores the “quiet” message/tone number for the respective function within the system.

A85  2 Second Timer - VTG 1
Timer used by audio default SMPL program for a 2 second delay between audio code and after code.

A86  2 Second Timer - VTG 2
Timer used by audio default SMPL program for a 2 second delay between audio code and after code.

A87  Mike Inhibit Timer
Pseudo points A87 and A88 work in conjunction with each other. They are used to set up a timer that will
disable the microphones and phone-to-audio interface (if applicable) for the duration set up in A88. The value
of A88 is set up in custom SMPL. A87 is the running timer.

A88  Mike Inhibit Timer Setpoint
Pseudo points A87 and A88 work in conjunction with each other. They are used to set up a timer that will
disable the microphones and phone-to-audio interface, if an alarm is present, for the duration set up in A88.
The value of A88 is set up in custom SMPL. A87 is the running timer.

A89  Phone Callback Timer Setpoint
This is the setpoint for A63.

A90  Phone Timeout Timer Setpoint
This is the setpoint for A64.
A91 VTG & Amplifier Trouble Disable Timer
This is a 10 second delay timer to retard the reporting of nuisance troubles.

A92 Supervision Not Active - TBL Delay Timer
The 180 second delay timer (used by the audio default SMPL program) is activated by a lack of output on the Voice Tone Generators.

A93 4 Wire Detector Reset Extend Timer
Delays the reset of 4-wire detector zones placed in L38, for one polling cycle, on a system reset. This prevents troubles from occurring on these zones when actual power down time exceeds the zone reset time.

A94 Active Message Number - VTG 1
Stores message/tone number that is currently playing on VTG 1.

A95 Active Message Number - VTG 2
Stores message/tone number that is currently playing on VTG 2.

A96 Actual Chipset Plugged Into VTG 1
Stores chipset number in use in VTG 1.

A97 Actual Chipset Plugged Into VTG 2
Stores chipset number in use in VTG 1.

A98 Battery Trouble Counter
For use in UTs, the number of battery troubles in the Master Power Supply plus the number of battery troubles in all intelligent power supplies. When count is greater than zero, the troubles will be reported to the 2120 via this pseudo.

A99 AC Power Fail Counter
For use in UTs, the number of AC power failures in the Master Power Supply, plus the number of AC power failures in all intelligent power supplies. When count is greater than zero, the troubles will be reported to the 2120 via this pseudo.

A100 System Type
Identifies the system type for use with equations in the default SMPL. A value of one indicates a 4100 and a value of two indicates a Universal Transponder.

A101 First Stage Timer
(Canadian) 5 minute timer started after initial alarm. If the alarm is not acknowledged, the EVAC message will be played on all speakers.

A102 First Stage Timer Setpoint
(Canadian) Stores the value of the first stage timer (Analog Pseudo A101). The default is 5 minutes.

A103 Master Mike 5 Second Unkey Delay
Prevents unwanted audio operation if finger slips off of Master Microphone key.
A104 Remote Mike 1 5 Second Unkey Delay
Prevents unwanted audio operation if finger slips off of Remote Microphone #1 key.

A105 Remote Mike 2 5 Second Unkey Delay
Prevents unwanted audio operation if finger slips off of Remote Microphone #2 key.

A106 Master Mike's Pretone Timer
(Canadian) Duration timer for externally supplied microphone pretone.

A107 Master Mike's Pretone Setpoint
(Canadian) Stores value of pretone timer. The default is 5 seconds.

A108 Remote Mike 1 Pretone Timer
(Canadian) Duration timer for externally supplied microphone pretone.

A109 Remote Mike 1 Pretone Setpoint
(Canadian) Stores the value of pretone time. The default is 5 seconds.

A110 Remote Mike 2 Pretone Timer
(Canadian) Duration timer for externally supplied microphone pretone.

A111 Remote Mike 2 Pretone Setpoint
(Canadian) Stores value of pretone timer. The default is 5 seconds.

A112 Ground Trouble Counter
For use in UTs, stores the number of ground faults in the Master Power Supply, plus the ground faults in all intelligent power supplies. When the count is greater than zero, the troubles will be reported to the 2120.

A113 Paging Channel
(Canadian) This determines where the microphone is routed for the paging function. Triple channel systems use Channel 3; dual channel systems use Channel 2.

A114 TrueAlarm™ Modification Counter
Tracks the number of TrueAlarm sensors whose sensitivity was modified through the front panel. Decrements when a sensor is returned to the default value.

A115 Excessively Dirty (Out of Range)
Tracks the total number of TrueAlarm sensors that are Excessively Dirty.

A116 Dirty Sensor Counter
Tracks the total number of TrueAlarm sensors that are Dirty.

A117 Almost Dirty Counter
Tracks the total number of TrueAlarm sensors that are Almost Dirty.
A118 Alarms Silenced Delay Timer
This point delays the Alarm Silenced LED Activation for one poll cycle to ensure that signals are OFF.

A119 Number of Local Systems Points' Troubles
Counts the number of troubles not included with common troubles.

A120 System Paging Status
General system use - paging status.

A121 Keypad Inactivity Timeout Setpoint
Set at 60 seconds, this point determines the time of a keypad inactivity time-out.

A122 Number of Systeme Priority 2 Alarms
This point stores the number of active Priority 2 alarm conditions in the system (ACKed or not).

A123 Number of Old (Uncleared) PRI2 Alarms
This point stores the number of active, acknowledged Priority 2 alarm conditions in the system.

A124 PRI2 Reset Window Timer
Analog pseudo points A124 and A125 work in conjunction with each other. The SYSTEM RESET key, via the default SMPL program, starts the A124 timer counting towards the value stored in A125 (default = 30). Active when a system reset is in progress.

A125 PRI2 Reset Window Timer Setpoint
Analog pseudo points A124 and A125 work in conjunction with each other. The SYSTEM RESET key, via the default SMPL program, starts the A124 timer counting towards the value stored in A125 (default = 30).

A126 PRI2 Alarm Clear Delay Timer
Analog pseudo points A126 and A127 work in conjunction with A128. A126 is used to send the PRI2 ALARMS PRESENT - SYSTEM RESET ABORTED message to the LCD and to the RS232 ports.

A127 PRI2 Alarm Clear Delay Timer Setpoint
Analog pseudo points A126 and A127 work in conjunction with A128. A127 is set to a value of 5 by the Master Exec. program. It is used as the set point for A126.

A128 PRI2 Alarm Clear Pulse Timer
A128 is turned ON 5 seconds after a system reset is attempted. It is used by the Master Exec. program during Priority 2 condition clearing attempts.

A129 Priority 2 Reset Pulse Timer
Upon a verified system reset, this pseudo point turns ON for one polling cycle. A129 will not turn ON if a Priority 2 alarm exists at the end of the system reset window timer (A124) period. Use A129 when resetting a system point in a Custom Control/SMPL equation.
A130  Priority 2 Reset Start Timer
This pseudo pulses for one poll cycle when P216 is ON. This point starts the Priority 2 reset cycle.

A131  Supervision Delay Setpoint CHL1
Allows adjustable delay (default = 10 secs.) for the starting of the supervision tone on Channel 1 (CHL 1).
This point is used by the default audio program.

A132  Supervision Delay Setpoint CHL2
Allows adjustable delay (default = 10 secs.) for the starting of the supervision tone on Channel 2 (CHL 2).
This point is used by the default audio program.

A133  Supervision Not Active Delay Setpoint
This point allows delay (default = 180 secs.) reporting of the Supervision Not Active Trouble by a set value.
This point is used by the default audio program.
LIST PSEUDO POINTS

INTRODUCTION
The 4100 Programming Unit provides 256 point list pseudos for every 4100/4100+ system.

System Point Lists
The first 128 point lists (L0 through L127) are System Point Lists. These point lists are automatically created and included with every system. Some of the lists are filled automatically based on the particular point types that are assigned in the programming unit. These point lists are created with a particular function in mind (e.g., L18 - General Alarm operation and L40 - Walk Test). Some of the lists are not automatically filled, but are programmed manually using the programming unit (e.g., L70 - Control Points ON on Alarm and L74 - Control Points OFF on Silence). System lists are only edited from the Operation Sub-menus of the programming unit. System Lists are only viewed from the Configuration Menu of the programming unit.

User-Defined Point Lists
Through the programming unit, you can add up to 128 User-Defined Point Lists (L128 through L255). These point lists are created for custom programming needs. They are created, modified, or deleted from the Configuration Menu of the programming unit.

L0 Coding Group 0 Signals/Relays (Non-PNIS) [SS, RS, SV, RV]
This list contains all Non-Coded type signals/relays.

L1 Coding Group 1 Signals/Relays
Default list for PNIS coded-type signals/relays. All coded signals/relays go here during Auto List Generation.

L2 Coding Group 2 Signals/Relays

L3 Coding Group 3 Signals/Relays

L4 Coding Group 4 Signals/Relays

L5 Coding Group 5 Signals/Relays

L6 Coding Group 6 Signals/Relays

L7 Coding Group 7 Signals/Relays

L8 Fire Alarm Signals Off On Silence [SS]

L9 Fire Alarm Signals Off On Reset [RS]

L10 Fire alarm Relays Off On Silence [SR]

L11 Fire Alarm Relays Off On Reset [RR]

L12 Fire Alarm Visuals Off On Silence [SV]
L13 Fire Alarm Visuals Off On Reset [RV]
L14 Trouble Relays Off On Clear [TS,TR]
L15 Trouble Relays Off On Acknowledge [BS,BR]
L16 Relays Pulsed On system (Detector) Reset [DR]
L17 Door Holder Control Relays [DH]
L18 General Fire Alarm Monitor Zones [ALL FIRE ALARM POINT TYPES]
L19 Primary Elevator Recall Monitor Zones [same as L18]
L20 Alternate Elevator Recall Monitor Zones
L21 Primary Elevator Capture Relays [PRI]
L22 Alternate Elevator Capture Relays [ALT]
L23 Waterflow Alarm Monitor Zones [W, WSO, WSC]
L24 Waterflow Signals Off On Silence [SW]
L25 Waterflow Signals Off On Reset [RW]
L26 Sprinkler Supervisory Monitor Zones [SO, SC, WSO, WSC]
L27 Sprinkler Supervisory Signals/Relays [SU]
L28 User System Lists
L29 Editable General Alarm System Lists
L30 Alarm Verification Group 0 [ALL ALARM POINTS BY DEFAULT]
   Modified by turning off auto-generation (tagging points into L31 - L37).
L31 Alarm Verification Group 1
L32 Alarm Verification Group 2
L33 Alarm Verification Group3
L34 Alarm Verification Group 4
L35 Alarm Verification Group 5
L36 Alarm Verification Group 6
L37  Alarm Verification Group 7

L38  4 Wire Monitor Zones
A user list which contains ALL 4-wire monitor zones for proper Walk Test & ohm verified operation.

L39  Not Used

L40  Walk Test Group 0 [ALL MONITOR POINTS BY DEFAULT]
Modified by turning off auto-generation (tagging points into L41- L47).

L41  Walk Test Group 1

L42  Walk Test Group 2

L43  Walk Test Group 3

L44  Walk Test Group 4

L45  Walk Test Group 5

L46  Walk Test Group 6

L47  Walk Test Group 7

L48  Not Used

L49  Not Used

L50  Walk Test Group 0 - Signals/Relays [ALL ALARM SIGNALS BY DEFAULT]

L51  Walk Test Group 1 - Signals/Relays

L52  Walk Test Group 2 - Signals/Relays

L53  Walk Test Group 3 - Signals/Relays

L54  Walk Test Group 4 - Signals/Relays

L55  Walk Test Group 5 - Signals/Relays

L56  Walk Test Group 6 - Signals/Relays

L57  Walk Test Group 7 - Signals/Relays

L58  Not Used

L59  Not Used
L60 Coding Group 0 - Not Used (Non-PNIS)
L61 Coding Group 1 - Monitor Zones
L62 Coding Group 2 - Monitor Zones
L63 Coding Group 3 - Monitor Zones
L64 Coding Group 4 - Monitor Zones
L65 Coding Group 5 - Monitor Zones
L66 Coding Group 6 - Monitor Zones
L67 Coding Group 7 - Monitor Zones
L68 Not Used
L69 Not Used
L70 Control Points On - On Fire Alarm
L71 Control Points Off - On Fire Alarm
L72 Control Points On - On System Reset
L73 Control Points Off - On System Reset
L74 Control Points Off - On Silence
L75 LPHONE Mode LEDs Tracking Digital Pseudo
General system use.
L76 Variable Sensitivity Photo Analog Sensor [S, VS, DUCT]
L77 Variable Sensitivity Ion Analog Sensor [S, VS]
L78 Analog Sensors With Piezo [PPH, VPH, SPH, SIO, SHE, SOH]
L79 Analog Sensors With Relay [RPH, PHO, SPH, RPH]
L80 General Fire Alarm Speaker Circuits [SP]
General system use.
L81 Audio Coding Group 1 - Monitor Zones
The list of monitor zones that bring in Audio Coding Group 1.

User Lists manually generated to eliminate the need for Custom Control. These are used with Generic Point Type output points that do not have a pre-programmed operation.
Audio Coding Group 2 - Monitor Zones
The list of monitor zones that bring in Audio Coding Group 2.

Aux1 Message Speakers
The list of speaker circuits that turn ON when the Aux 1 Message is played.

Aux2 Message Speakers
The list of speaker circuits that turn ON when the Aux 2 Message is played.

Restart Message After Mike - VTG 1
A user defined list to restart a message when a mike is unkeyed from VTG 1.

Restart Message After Mike - VTG 2
A user defined list to restart a message when a mike is unkeyed from VTG 2.

AHU Relays On - On Fire Alarm [AHUO, AHUR, CDA]

AHU Relays Off - On Fire Alarm [AHUF]

AHU Relays Off - On System Reset [AHUO, AHUR, AHUF, CDA]

All Speakers - Non Editable
The list of ALL speaker circuits in the system. This list is NOT editable.

Audio Coding Group 1 - Signal Circuits
Lists speaker circuits that turn ON when Audio Coding Group 1 is active.

Audio Coding Group 2 - Signal Circuits
Lists speaker circuits that turn ON when Audio Coding Group 2 is active.

Phone Circuits [PH]
Lists ALL phone circuits.

Remote Master Phone Circuits [RPH]
Lists ALL remote master phone circuits.

Satellite Phones - SCC 4100 On/Off
Lists the ON/OFF state of phones external to but controlled by the 4100 system.

Satellite Phones - SCC 4100 Normal/Short
Lists the Normal/Short state of phones external to but controlled by the 4100 system.

Satellite Phones - SCC 4100 On/Off RMPH
Lists the ON/OFF state of master phones external to but controlled by the 4100 system.
L98 Switch Power Supply Amps To Battery
This point switches the amplifiers to batteries. This point is used on a power supply to conserve battery power when AC power is lost.

L99 Switch Power Supply Amps To Bkgrnd Music
This point switches the audio amplifiers to background music.

L100 Points To Exclude From Automap

L101 Reset Power Supply Amps
This point resets amplifiers that are connected to power supplies.

L102 Lists To Auto-Generate External Points

L103 External Detector Reset Pseudo
A user list for 2-part master/slave network reset. This list contains External points (P210) from all nodes to be reset from a particular node.

L104 External System Reset Pseudo
A user list for 2-part master/slave network reset. This list contains External points (P211) from all nodes to be reset from a particular node.

L105 External Detector/System Reset Pseudo
A user list for 1-part peer-to-peer network reset. This list contains External points (P212) from all nodes to be reset from a particular node.

L106 External Signal Silence Pseudo
A user list for Network Silence - This List contains External points from all nodes (P217) that are silenced from a particular node.

L107 Enter Local Mode On Data Not Available

L108 External Speakers And Speaker Lists

L109 Alarm Silenced LED Control
Contains P85 for audio and P221 for DC signals.

L110 External Priority 2 Reset Pseudo
Contains P220 from nodes that are reset from a particular node.