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Specifications and Features

1.1   Specifications

> ❗ *In order for the PC5928 module to operate properly, the power output capability from the two AUX terminals combined must not be exceeded. Use the data presented below to ensure that the PC5928 module is not overloaded when connecting audio stations.*

PC5928 Audio Interface Module
- Standby Current Draw - 65 mA
- Maximum Current Draw - 100 mA
- Total current providing capability between AUX terminals - 500 mA
- Input Impedance at any microphone input - 25kΩ
- Maximum Music Input signal level amplitude - 200 mV peak to peak
- Connect up to 7 Audio Stations (interior or exterior)
- Page Function
- Monitor Function
- Answer Incoming Calls
- Alarm Output Follower

PC5921 Interior Audio Station
- Standby Current Draw - 20 mA
- Maximum Current Draw - 50 mA
- Built-In Speaker and Microphone

PC5921EXT Exterior Audio Station
- Standby Current Draw - 20 mA
- Maximum Current Draw - 50 mA
- Built-In Speaker and Microphone

PC5921EXT/R Exterior Audio Station
- Standby Current Draw - 20 mA
- Maximum Current Draw - 50 mA
- Built-In Speaker and Microphone
- Relay Output for doorbell circuit connection

PC5904 Central Station Talk/Listen Module
- Standby Current Draw - 30 mA
- Maximum Current Draw - 175 mA
- Built in microphone and 3.5 in. speaker

> ❗ *As the number of intercom stations increases on the system, an additional power supply may be required.*

1.2   Additional Devices

PC5921 Interior Audio Station
The PC5921 Interior Audio Station is used in conjunction with the PC5928 Audio Interface module. Each station has a separate microphone and speaker.
Each station must be home run to the interface module using shielded 22 gauge, 4 conductor wire. Each station can be used to initiate or receive pages, answer incoming calls, answer the doorbell, monitor rooms or sound an alarm follower.

PC5921EXT Exterior Audio Station
The PC5921EXT Exterior Audio Station is housed in a gray fade resistant case, designed for outside use. Each station has a separate microphone and speaker.
Each station must be home run to the interface module using shielded 22 gauge, 4 conductor wire. The station can be used to sound the doorbell chime on interior audio stations.

PC5921EXT/R Exterior Audio Station
The PC5921EXT/R Exterior Audio Station is housed in a gray fade resistant case, designed for outside use. Each station has a separate microphone and speaker.

Each station must be home run to the interface module using shielded 22 gauge, 4 conductor wire. The station can be used to sound the doorbell chime on interior audio stations. A relay is included so the normal doorbell can be used, instead of the one integral to the PC5928 module.

PC5904 Central Station Talk/Listen Module
The PC5904 Interior Central Station Talk Listen module is used in conjunction with the PC5928 audio interface module for Talk/Listen-In purposes. While all other station types can provide Talk/Listen-In capabilities, this station provides an added level of volume to the central station operator's voice. Each station has a separate microphone and speaker. Each station must be home run to the interface module using Shielded 22 gauge, 4 conductor wire. All stations can be used to sound an alarm follower.

Getting Started

2.1   Installation Steps

The following steps are provided to assist with the installation of the PC5928 Audio Interface module. It is suggested that you read this section briefly to get an overall understanding of the order of installation. Once this is done carefully work through each step.

Step 1   Mounting the PC5928 Audio Interface Module
Mount the cabinet close to the control panel as it must wire to the incoming phone line. Before attaching the cabinet to the wall make sure to press the nylon circuit board mounting studs into the cabinet from the back.

Step 2   Wiring the Keybus
Wire the Keybus to the PC5928 Audio Interface module according to the diagram provided in *Section 2.2 "Keybus Wiring"*.

Step 3   Wiring the Audio Stations
Wire each audio station according to the diagram provided in *Section 2.3 "Audio Station Wiring"*.

Step 4   Wiring the Incoming Telephone Line
Wire the incoming telephone line according to the diagram provided in *Section 2.4 "Telephone Line Connection"*.

Step 5   Supervision of PC5928
The PC5928 will function upon power up, however full supervision of the module must be enabled in the panel (PC5010). Follow the guideline provided in *Section 2.5 "Enabling PC5928 Supervision"*.

Step 6   Program the Panel
The PC5928 Audio Interface module programming can be done from any Power832 keypad. Refer to the Audio Interface Programming Worksheets for program items and options.


Helpful Installation Tips

Feedback
If an intercom station appears to be exhibiting feedback noise, check the following for potential causes.
- **Microphone** - Remove the backplate. The microphone and holder are located in the bottom-left corner. Ensure that the microphone is pushed fully into the black rubber holder so that the face of it is flat against the rubber.
- **Speaker** - Ensure that the felt is secured around the speaker.
- **Gain Control** - Remove the backplate. The speaker volume control is located directly above the microphone and the microphone sensitivity control is located directly beneath the speaker. Turning either of these controls counter clockwise will reduce their gain, thereby reducing the possible level of feedback.
- **Placement -** Typically, intercom stations should not be installed facing each other. Feedback may also occur due to room acoustics which will be affected by several different factors such as the size of the room, whether or not the floor is carpeted and different objects that may be in the room. Try moving one of the intercom stations to correct the problem.
- **Ventilation -** In some extreme instances the station may be feeding back to itself. The speaker output may be feeding back into the microphone within the housing. To eliminate this, open a hole through the wall equal in size to the rectangular opening in the backplate to allow the sound to escape.

2.2   Keybus Wiring

The PC5928 Audio Interface module has 4 terminals marked Keybus (red, black, yellow and green). Connect the four Keybus terminals on the PC5928 to the four terminals on the PC5010 marked Keybus (red, black, yellow and green).
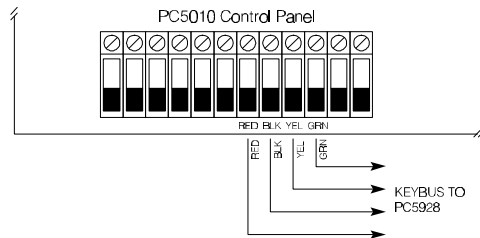
2.3   Audio Station Wiring

Up to 7 audio stations can be connected to the PC5928 Audio Interface module. Each station must be home run to the interface module via a **shielded** 22 gauge, 4 wire cable. Connect each station to power (red - AUX, black - COM) and to the proper audio connections on the PC5928 module (yellow - speaker, green - microphone). Connect the drain wire of the shield to the COM terminal on the PC5928 module **or** the black terminal of the station (make sure the drain wire of the shield does not short anything on the back of the board), but not both. Refer to the diagram below:
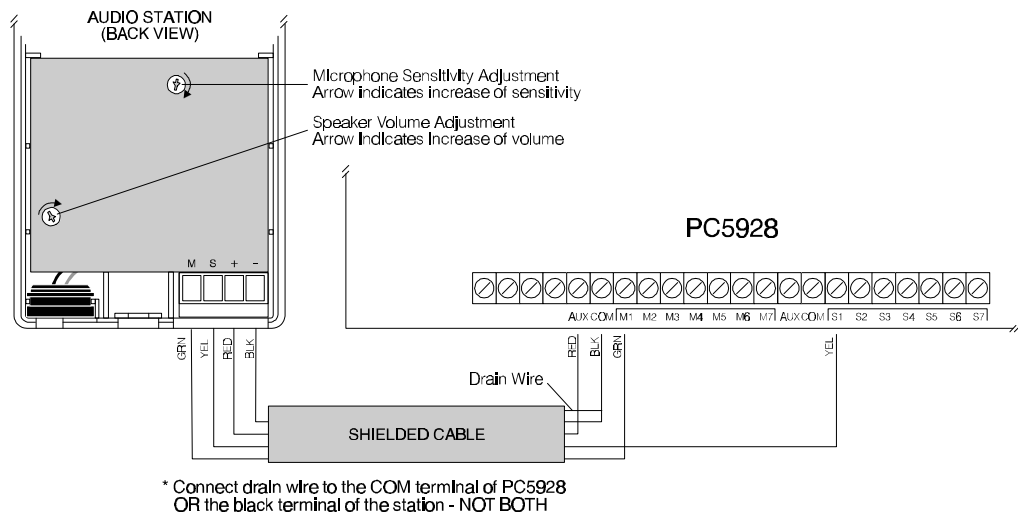
Avoiding Audio Station Interference Noise
The Keybus wiring and several different electrical devices (fluorescent lighting, etc.) may induce noise onto the intercom wires. For this reason shielded wire should be used whenever possible. If shielded wire is not used, each intercom wire must be spaced a minimum of 4 ft./1.2 m from all Keybus wiring, electrical wiring, fluorescent lighting and other sources of electrical interference. If this is not possible, shielded wire must be used with the drain of the shield connected as indicated in the above diagram.

2.4   Telephone Line Connection

The PC5928 has 4 terminals for the telephone line connection (TIP, RING, T1 and R1). The wiring must be as follows:

- Incoming line - PC5010 TIP and RING
- PC5010 T1 and R1 - PC5928 TIP and RING
- PC5928 T1 and R1 - house phone
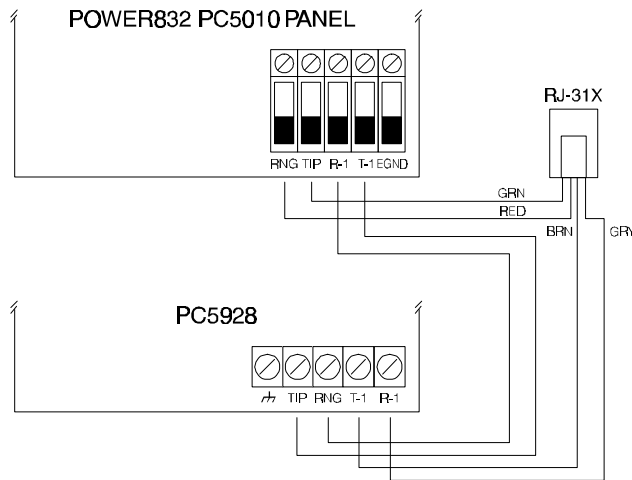
> **If there is an Escort5580 connected as well, it must be connected between the PC5010 and PC5928 (phone line).**

2.5   Enabling PC5928 Supervision

The PC5928 will function properly as soon as all wiring is complete and power is applied. However, in order to fully supervise the PC5928 from the PC5010 panel, the following steps must be taken.

Step 1 - At a keypad enter [*] [8] [Installer Code] to enter Installer Programming.

Step 2 - Press [902] to enable supervision. The panel will automatically search for all modules on the system. Press [#] to exit Installer Programming. The search takes approximately 1 minute. From this point on, if any modules are removed from the system, a Supervisory trouble will be generated.

Step 3 - To confirm the supervision, re-enter Installer Programming and then enter [903]. On LED keypads, Light 21 ON represents successful PC5928 supervision. On LCD keypads, the description PC5928 will be displayed if successful.

Step 4 - If this is not successful, check all wiring to the PC5928.

Audio Functions

3.1 Paging

The PC5928 Audio Interface module allows Paging to be performed.

❗ ***Only one Page can be performed at a time. If a conversation is already established another Page cannot be performed until the existing conversation is over.***

To initiate a Page press the Page/Answer button on any station. The station will give a double beep. If no beeps are heard it is because another conversation is already taking place. If the Page is valid all other stations that are not on 'Do Not Disturb' will sound a rapid beep. The person performing the Page can now be heard on all the stations.

To answer the Page a user must press the Page/Answer button on another station. The station will beep twice at which point the audio channel is dedicated to the person who initiated the Page and the person who answered. No other station will transmit the conversation.

❗ ***The PC5928 auto detects the source of the loudest voice and uses this to control the direction of conversation.***

To end a Page either person can press the Page/Answer button. If no voice is heard for 30 seconds the conversation will be automatically terminated by the PC5928.

3.2 Page Listens To All

The system can be configured so that when a page is initiated from an intercom station, all other intercom stations can respond without pressing the Page/Answer button (excluding ports in DND or masked off in the General Broadcast options). If the page is answered on another intercom station, general page activity will take place. If the page is not answered within 30 seconds, it will time out.

3.3 Cancelling a Page

If a Page is initiated by accident, pressing the Page/Answer button a second time will cancel the Page.

3.4 Do Not Disturb

To avoid receiving pages, doorbox calls or incoming phone calls a station can be put on 'Do Not Disturb'. To do this press the Do Not Disturb button on the station. The red light on the station will come on solid to indicate the unit is in Do Not Disturb mode.

To take a station off Do Not Disturb press the Do Not Disturb button again. The red light on the station will go out.

3.5 Door Answer

Exterior stations can be programmed as doorbox 1 or doorbox 2 for doorbell operation. Two options are available as the system will chime differently for both. doorbox 1 will cause a 'ding dong' sound while doorbox 2 will cause a 'dong' sound.

When the button is pressed on any station programmed as doorbox 1 or doorbox 2 all stations not on Do Not Disturb will sound the tone.

To answer the doorbell a user can press the Page/Answer button on any station. Once pressed the audio channel will operate the same as it does for a Page.

If a Page is in progress when a doorbell is pressed the two persons on the Page will hear the tone. To answer the doorbell either person can press the Page/Answer button. The Page will end and the user will immediately be connected to the doorbell station.

3.6 Doorbell Listens To All

The system can be configured so that when a page is initiated from a doorbell station, all intercom stations can respond without pressing the Page/Answer button (excluding ports in DND or masked off in the General Broadcast options). If the doorbell page is answered on an intercom station, general page activity will take place. If the page is not answered within 30 seconds, it will time out. To end a page with a doorbell, press and release the Page/Answer button on the intercom station.

3.7   Doorstrike Activation

Any intercom type station can be enabled to activate a doorstrike module while in communication with a doorbox type station. After answering a doorbell page on an intercom station, press and hold the Page/Answer button for 2 seconds to activate the doorstrike feature. An acknowledgement beep will be heard. The PC5010 v1.XX will activate the sensor reset PGM, or the PC5010 v2.XX will activate a command output PGM.

> ⓘ *PC5010 v1.XX - The state of the sensor reset PGM can be normal or inverted depending on Option 3 of the PGM attribute.*
> *PC5010 v2.XX - Any command output programmed for doorstrike activation PGM must have the Code Required option OFF (Option 5 of PGM attribute).*

To terminate the communications with the doorbox station, simply press the Page/Answer button briefly.

> ⓘ *The doorstrike module must be wired to the appropriate PGM output on the PC5010.*

3.8   Monitoring

The Monitor feature allows the user to listen to an area through all other stations. To turn on the Monitor feature press and hold the Do Not Disturb button for two seconds on the desired station. The station will be put in Do Not Disturb mode and the Do Not Disturb light will flash. The PC5928 will transmit all sounds heard from the station to all the other stations on the system, except for those on Do Not Disturb.

Other features such as paging, door answer and answering incoming calls can still be performed and will override the Monitor feature. If a page, door answer or telephone call answer is in progress the Monitor feature will not operate until the conversation is ended. To turn off the Monitor feature press the Do Not Disturb button. The red light on the station will go out.

3.9   Answering Incoming Calls

When an incoming call is detected, the PC5928 will sound a ringing tone on all stations which are enabled to sound the tone (unless on Do Not Disturb). To answer the call the user must press the Page/Answer button for 1 second. Once the call is answered the audio channel will operate the same as it does for a Page.

The call will end if the user presses and holds the Page/Answer button for 1 second. The call will also end after 30 seconds of silence.

If a Page is in progress when an incoming call is detected the two persons on the Page will hear the ring. To answer the call either person can press and hold the Page/Answer button for 1 second. The Page will end and the user will immediately be connected to the incoming call.

3.10   Transferring an Answered Call to the In-House Phones

Once a user has answered a call on a PC5921 Intercom Station, the call can be transferred to an in-house telephone by simply going to the telephone, picking up the receiver and pressing the [#] key for 1 second. This will put the call through to the telephone and disconnect the PC5921 from the conversation.

3.11   Call Waiting

To answer a second call while on line with the first call, simply press the Page/Answer button. This will function like pressing a telephone off-hook switch or "Flash" button. To return to the first call, simply press the Page/Answer button again.

3.12   User Help (Keypad function Keys)

The following function keys can be used to broadcast Escort5580 voice prompts through the PC5921 Intercom Station.

If the Escort5580 is on-line locally through an in-house telephone, the HELP function key will not initiate User Help at the keypad.

> ⓘ *If there is a telephone call in progress, User Help will override the call.*

To program the function keys, see Programming Section [000] "Keypad Assignment" in your PC5010 Programming Worksheets.

Function Key Option #15 - General Voice Prompted Help

This feature can only be programmed if the Escort5580 is being used.

When the function key is pressed, the intercoms will perform a Help page. The user must then press the Page/Answer button on any intercom station to begin the help session with the Escort.

Function Key Option #18 - Identified Voice Prompted Help

This feature can only be programmed if the Escort5580 is being used.

When the function key is pressed, the Escort will begin a help session from the intercom station programmed as closest to the keypad. In order for this function to operate properly, you must program PC5928 Section [802], subsection [14] "Keypad Port Assignments."

> ***This function key cannot be programmed for PC55XX LED keypads with software version 1.0.***

3.13   Music Input

The music Input feature allows the user to broadcast an audio input to all other stations. This feature can be turned on or off using any keypad on the system.

The music input must be wired to any one single port, using an audio signal which does not exceed 200 mV peak to peak. This would be accomplished by connecting the audio source to a microphone input (one side of the source to the mic. input and the other side to ground).

The music input must be programmed in the port definitions (enter installer's programming, section [802], sub-section [01]). Enter the digits [05] in the appropriate port definition.

To turn on the music input, enter user programming [✱][6][Master Code] then press [7] key.

To turn off the music input, follow the same procedure that is required to turn it on.

> ***The music input feature will not function until 30 seconds after being pro-grammed in the port definition section.***

3.14   Voice Verification

When a page is active between two stations, the Do Not Disturb light on each station will turn on while its microphone is active. This gives a visual indication to each person involved in the page when their microphone is active. This is a hardcoded feature and does not require programming to be enabled.

> ***The Voice Verification feature will not work until the page has been answered.***

Programming
S E C T I O N   4

Follow the programming procedure outlined in the PC5010 Installation Manual. All PC5928 Programming falls under Section [802]. To program the PC5928 Audio Interface module enter the following:

Step 1   Enter [✱], [8], [Installer Code] to enter Installer Programming

Step 2   Enter Section [802] for the PC5928 Programming

Step 3   Enter the 2 digit Section number as found in the PC5928 Audio Interface module Programming Worksheets

Program Descriptions
S E C T I O N   5

The following section explains all the programmable features including how the feature operates, options that pertain to the feature and a summary of the program locations required for programming.

5.1 Station Definitions

Each station must be defined for proper operation. The options are as follows:

- Option [00] - Not Used
- Option [01] - Doorbox 1
- Option [02] - Doorbox 2
- Option [03] - Intercom
- Option [05] - Music Input

All unused stations should be defined as [00]. Only exterior boxes should be defined as doorbox 1 or doorbox 2. Only one station can be defined as Music Input. All other stations should be defined as [03].

Station Definitions ....Section [01]

5.2 Zone Port Assignment

When the Talk/Listen-In feature operates the panel will automatically turn on the station closest to the alarm. For this to operate properly you must program the **Zone Port Assignment** to program which zone is closest to which station. When the communication link is established the central station operator will hear input from the station closest to the alarm.

> ⓘ ***Zone Port Assignments must be programmed even if zone alarms are not used. Tampers, Openings and Closings, and all other events will not function if there are NO ports assigned here.***

Zone Port Assignment ....Section [10] to [13]

5.3 Keypad Port Assignment

This section is used to program which keypad is closest to which station. This is used with the Identified Voice Prompted Help feature described in Section 3.12.

5.4 Broadcast Mask

There may be situations when a station will only be used to initiate Pages. If the **Broadcast Mask** option for the station is disabled it will not enunciate any incoming tones except telephone rings (if enabled). The Do Not Disturb light will remain on at all times.

If incoming tones are disabled, the station can still be used to answer pages, doorbells and incoming calls.

Broadcast Mask ....Section [20]

5.5 Alarm Follower

The stations can be used to sound alarm conditions along with the Bell Output of the Power832 PC5010 control panel. If the **Local Alarm Follower** option is enabled all stations will sound tones using Burglary and Fire type tones. If disabled the stations will not enunciate alarms. All Burglary alarms will sound a "steady" alarm output. All Fire alarms will sound a "pulsed" alarm output.

● ●
Local Alarm Follower .... Section [30], Option [1]
● ●

5.6   Talk/Listen-In

❗ *The "Event Buffer follows Swinger Shutdown" option must be enabled in the PC5010 if Talk/Listen-In is used.*

The PC5928 Audio Interface module has built-in Talk/Listen-In capability which can be activated by zone alarms, keypad activated Auxiliary and Panic alarms, openings/closings, duress alarms, tamper alarms, or opening after alarm conditions.

❗ *In all cases, the PC5010 must be programmed to report the event with communications enabled. For example, if a reporting code for a zone is not programmed, it will not initiate Talk/Listen-In session.*

The "Event Buffer Follows Swinger Shutdown" option must be enabled in the PC5010 to ensure proper Talk/Listen-In operation.

A zone alarm will activate the feature if the zone is assigned to a station (**Zone Assignment**) and the zone is enabled for Talk/Listen-In (**Audio Control** options). This is programmable by zone. If the zone is not enabled in the **Audio Control** options, the zone will not initiate Talk/Listen-In. If the zone is not assigned to a station, the PC5928 will turn on all stations.

❗ *All zones programmed as silent will not initiate a Talk/Listen-In session. Only a Listen-In session can occur.*

Keypad Panic alarms will activate the Listen In feature, if the **Panic Keys Alarm** option is enabled.

Keypad Auxiliary alarms will activate the feature if the **Auxiliary Keys Alarm** option is enabled.

Listen in will be initiated if a Duress code is entered at a keypad and the **Duress Alarm** option is enabled.

Talk/Listen-In will be initiated when the panel transmits opening and closing signals if the Openings & Closings option is enabled. If this option is enabled, it is recommended to enable the Duress Alarm option.

Talk/Listen-In will be initiated when a zone tamper condition occurs if the **Tampers Enabled** option is enabled.

❗ *Module tampers will not initiate a Talk/Listen-In session.*

Talk/Listen-In will be initiated when a zone expander supervisory trouble condition occurs if the **Zone Expander Supervisory Trouble Alarm** option is enabled.

Talk/Listen-In will be initiated when the panel is disarmed after an alarm condition (Opening After Alarm) if the **Opening After Alarm** option is enabled.

If the **Listen To All Stations** option is enabled the PC5928 will turn on all stations instead of just the one closest to the zone or keypad.

❗ *A Talk/Listen-In session cannot be initiated for a 2-wire smoke or F-key alarm.*

The Talk/Listen-In communication will terminate after the **Audio Duration** time programmed expires. The central station operator can extend the on-line time *by pressing any key command or entering the extend time command. (See Section 5.7 "Talk/Listen-In Operation").*

• •

• •

5.7   Talk/Listen-In Operation

When the panel transmits a reporting code to central station and Talk/Listen-In is initiated, the panel will pass the phone line to the PC5928 for Talk/Listen-In. The PC5928 will then turn on the closest station to the alarm or if the **Listen to All Stations** option is enabled, all stations will turn on.

Once the central station has established the audio link there are several commands available to them for audio control. Commands are the touch tone digits [0] through [9], [#] and [ ]. Additional commands may be programmed as **Mode Keys** which are two button entries.

The central station may already be using other Talk/Listen-In equipment. Because of this the PC5928 offers flexible programming for the various commands so the central station operator can use the same commands for all equipment. Programming these commands is done in the **Audio Control Telephone Key Programming** and the **Audio Control Telephone Mode Key Programming** Sections.

The following is the list of options available:

[00] Key Not Used	[09] Terminate Call
[01] Talk To All Speakers	[10] For Future Use
[02] For Future Use	[11] Cancel First Keypress
[03] High Gain Listen To All	[12] For Future Use
[04] For Future Use	[13] Zone Select (0 to 3 Only)
[05] For Future Use	[14] Increment Selected Microphone (Input)
[06] Low Gain Listen To All	[15] Decrement Selected Microphone (Input)
[07] Extend Time	[16] For Future Use
[08] For Future Use	[17] Mode Key

!   ***Information regarding the programming of the Command Keys must come from the central station that you will be reporting to.***

Once you have talked to the central station program the telephone keys to operate as they require.

• •

• •

5.8 Listen To All

When the PC5928 enters the Talk/Listen-In mode, it can be programmed to initiate in one of two ways. If the Listen "To All stations While On Line" option is enabled, all stations will turn on. If the option is disabled, only the stations that are in alarm will turn on. This option only affects how the PC5928 initiates the Talk/Listen-In session. All stations remain accessible through use of the telephone command keys.

> **!** *All zones follow this functionality regardless of their definition.*

Listen To All Stations When On Line...................Section [30], Option [2]

5.9 Page Listens To All

Enabling this feature will allow all stations which hear pages to respond without answering. If the page is answered by pressing the Page/Answer button, normal page activity will take place. If the page is not answered, it will time out after 30 seconds.

Page Listens To All...................Section [30], Option [3]

5.10 Doorbell Listens To All

Enabling this feature will allow all stations which hear doorbell pages to respond without answering. As well, visitors initiating the doorbell page will be heard on all other stations which hear pages. If the doorbell page is answered by pressing the Page/Answer button, normal page activity will take place. If the doorbell page is not answered, it will time out after 30 seconds.

Doorbell Listens To All...................Section [30], Option [4]

5.11 Telephone Ring Mask

Any station type can be enabled to sound a ringing tone when an incoming call is detected. If the Telephone Ring Mask is disabled for a station, the ringing tone will not sound, but the telephone call can still be answered.

> **!** *The telephone ring mask overrides the general broadcast mask.*

Telephone Ring Mask...................Section [60]

5.12 Doorstrike Activation Mask

There may be situations when a station should not activate the doorstrike feature. If the Doorstrike Activation Mask option is disabled for a station, it will not be able to activate the doorstrike feature.

> **!** *The Doorstrike Activation Mask should not be enabled for stations programmed as Doorbox 1 or Doorbox 2.*

Doorstrike Activation Mask...................Section [70]

5.13 Doorstrike Option PGM Programming

This section is used to program which PGM type will be activated on the PC5010 when the doorstrike feature is used.

Doorstrike PGM Option Programming...................Section [72]

Programming Worksheets

[802]Audio Matrix Module (PC5928) Programming
00=Not Used/Disabled, 01=Doorbox 1, 02=Doorbox 2, 03=Intercom (Monitor), 05=Music Input

[01] Station Definitions

Default			Default			Default		
01	⌐_,_,_⌐	Station 1	03	⌐_,_,_⌐	Station 4	03	⌐_,_,_⌐	Station 6
03	⌐_,_,_⌐	Station 2	03	⌐_,_,_⌐	Station 5	03	⌐_,_,_⌐	Station 7
03	⌐_,_,_⌐	Station 3						

[10] Zone Port Assignments, Zones 1-8
Enter the nearest Intercom Station Number (01- 07, 00 = Not Used)

Default = 00

⌐_,_,_⌐ Zone 1	⌐_,_,_⌐ Zone 3	⌐_,_,_⌐ Zone 5	⌐_,_,_⌐ Zone 7
⌐_,_,_⌐ Zone 2	⌐_,_,_⌐ Zone 4	⌐_,_,_⌐ Zone 6	⌐_,_,_⌐ Zone 8

[[11] Zone Port Assignments, Zones 9-16
Enter the nearest Intercom Station Number (01- 07, 00 = Not Used)

Default = 00

⌐_,_,_⌐ Zone 9	⌐_,_,_⌐ Zone 11	⌐_,_,_⌐ Zone 13	⌐_,_,_⌐ Zone 15
⌐_,_,_⌐ Zone 10	⌐_,_,_⌐ Zone 12	⌐_,_,_⌐ Zone 14	⌐_,_,_⌐ Zone 16

[12] Zone Port Assignments, Zones 17-24
Enter the nearest Intercom Station Number (01- 07, 00 = Not Used)

Default = 00

⌐_,_,_⌐ Zone 17	⌐_,_,_⌐ Zone 19	⌐_,_,_⌐ Zone 21	⌐_,_,_⌐ Zone 23
⌐_,_,_⌐ Zone 18	⌐_,_,_⌐ Zone 20	⌐_,_,_⌐ Zone 22	⌐_,_,_⌐ Zone 24

[13] Zone Port Assignments, Zones 25-32
Enter the nearest Intercom Station Number (01- 07, 00 = Not Used)

Default = 00

⌐_,_,_⌐ Zone 25	⌐_,_,_⌐ Zone 27	⌐_,_,_⌐ Zone 29	⌐_,_,_⌐ Zone 31
⌐_,_,_⌐ Zone 26	⌐_,_,_⌐ Zone 28	⌐_,_,_⌐ Zone 30	⌐_,_,_⌐ Zone 32

[14] Keypad Port Assignments
Enter the nearest Intercom Station Number (01- 07, 00 = Not Used)

Default = 00

⌐_,_,_⌐ Keypad 1	⌐_,_,_⌐ Keypad 3	⌐_,_,_⌐ Keypad 5	⌐_,_,_⌐ Keypad 7
⌐_,_,_⌐ Keypad 2	⌐_,_,_⌐ Keypad 4	⌐_,_,_⌐ Keypad 6	⌐_,_,_⌐ Keypad 8

[20] First General Broadcast Mask

Default		Option ON	Option OFF
OFF	⌐_____,	Option 01 For Future Use	
OFF	⌐_____,	Option 02 Incoming Sounds on Station 1 Enabled	Disabled
ON	⌐_____,	Option 03 Incoming Sounds on Station 2 Enabled	Disabled
ON	⌐_____,	Option 04 Incoming Sounds on Station 3 Enabled	Disabled
ON	⌐_____,	Option 05 Incoming Sounds on Station 4 Enabled	Disabled
ON	⌐_____,	Option 06 Incoming Sounds on Station 5 Enabled	Disabled
ON	⌐_____,	Option 07 Incoming Sounds on Station 6 Enabled	Disabled
ON	⌐_____,	Option 08 Incoming Sounds on Station 7 Enabled	Disabled

[30] Audio Options

Default		Option ON	Option OFF
OFF	⌐_____,	Option 01 Local Alarm Follower Enabled	Disabled
OFF	⌐_____,	Option 02 Listen to All Zones When On-Line	Listen Only To Zones in Alarm
OFF	⌐_____,	Option 03 Page Listens To All	Page Waits for Answer
OFF	⌐_____,	Option 04 Doorbell Listens To All	Doorbell Waits for Answer
OFF	⌐_____,	Option 05 For Future Use	
OFF	⌐_____,	Option 06 For Future Use	
OFF	⌐_____,	Option 07 For Future Use	
OFF	⌐_____,	Option 08 For Future Use	

Audio Control Telephone Key Functions

[00] Key Not Used	[09] Terminate Session
[01] Talk To All Speakers	[10] For Future Use
[02] For Future Use	[11] Cancel First Keypress
[03] High Gain Listen To All	[12] For Future Use
[04] For Future Use	[13] Zone Select (0 - 3 only)
[05] For Future Use	[14] Increment Selected Microphone (Input)
[06] Low Gain Listen To All	[15] Decrement Selected Microphone (Input)
[07] Extend Time	[16] For Future Use
[08] For Future Use	[17] Mode Key

[40] Audio Control Telephone Key Programming

Default			Default			Default		
01	⌐___,	[1] Key	15	⌐___,	[5] Key	17	⌐___,	[9] Key
00	⌐___,	[2] Key	06	⌐___,	[6] Key	00	⌐___,	[0] Key
03	⌐___,	[3] Key	07	⌐___,	[7] Key	00	⌐___,	[*] Key
14	⌐___,	[4] Key	00	⌐___,	[8] Key	11	⌐___,	[#] Key

[41] Audio Control Telephone Mode Key Programming

Default			Default			Default		
00	⌐___,	[Mode Key] & [1]	00	⌐___,	[Mode Key] & [5]	09	⌐___,	[Mode Key] & [9]
00	⌐___,	[Mode Key] & [2]	00	⌐___,	[Mode Key] & [6]	00	⌐___,	[Mode Key] & [0]
00	⌐___,	[Mode Key] & [3]	00	⌐___,	[Mode Key] & [7]	00	⌐___,	[Mode Key] & [*]
00	⌐___,	[Mode Key] & [4]	00	⌐___,	[Mode Key] & [8]	00	⌐___,	[Mode Key] & [#]

[50]   First Audio Control Options

Default		Option ON		Option OFF
OFF	⌐____┐	Option 01	Zone 1 Alarm Enabled	Disabled
OFF	⌐____┐	Option 02	Zone 2 Alarm Enabled	Disabled
OFF	⌐____┐	Option 03	Zone 3 Alarm Enabled	Disabled
OFF	⌐____┐	Option 04	Zone 4 Alarm Enabled	Disabled
OFF	⌐____┐	Option 05	Zone 5 Alarm Enabled	Disabled
OFF	⌐____┐	Option 06	Zone 6 Alarm Enabled	Disabled
OFF	⌐____┐	Option 07	Zone 7 Alarm Enabled	Disabled
OFF	⌐____┐	Option 08	Zone 8 Alarm Enabled	Disabled

[51]   Second Audio Control Options

Default		Option ON		Option OFF
OFF	⌐____┐	Option 01	Zone 9 Alarm Enabled	Disabled
OFF	⌐____┐	Option 02	Zone 10 Alarm Enabled	Disabled
OFF	⌐____┐	Option 03	Zone 11 Alarm Enabled	Disabled
OFF	⌐____┐	Option 04	Zone 12 Alarm Enabled	Disabled
OFF	⌐____┐	Option 05	Zone 13 Alarm Enabled	Disabled
OFF	⌐____┐	Option 06	Zone 14 Alarm Enabled	Disabled
OFF	⌐____┐	Option 07	Zone 15 Alarm Enabled	Disabled
OFF	⌐____┐	Option 08	Zone 16 Alarm Enabled	Disabled

[52]   Third Audio Control Options

Default		Option ON		Option OFF
OFF	⌐____┐	Option 01	Zone 17 Alarm Enabled	Disabled
OFF	⌐____┐	Option 02	Zone 18 Alarm Enabled	Disabled
OFF	⌐____┐	Option 03	Zone 19 Alarm Enabled	Disabled
OFF	⌐____┐	Option 04	Zone 20 Alarm Enabled	Disabled
OFF	⌐____┐	Option 05	Zone 21 Alarm Enabled	Disabled
OFF	⌐____┐	Option 06	Zone 22 Alarm Enabled	Disabled
OFF	⌐____┐	Option 07	Zone 23 Alarm Enabled	Disabled
OFF	⌐____┐	Option 08	Zone 24 Alarm Enabled	Disabled

[53]   Fourth Audio Control Options

Default		Option ON		Option OFF
OFF	⌐____┐	Option 01	Zone 25 Alarm Enabled	Disabled
OFF	⌐____┐	Option 02	Zone 26 Alarm Enabled	Disabled
OFF	⌐____┐	Option 03	Zone 27 Alarm Enabled	Disabled
OFF	⌐____┐	Option 04	Zone 28 Alarm Enabled	Disabled
OFF	⌐____┐	Option 05	Zone 29 Alarm Enabled	Disabled
OFF	⌐____┐	Option 06	Zone 30 Alarm Enabled	Disabled
OFF	⌐____┐	Option 07	Zone 31 Alarm Enabled	Disabled
OFF	⌐____┐	Option 08	Zone 32 Alarm Enabled	Disabled

[54] Fifth Audio Control Options

Default		Option ON	Option OFF
OFF	⌊____⌋	Option 01 Tampers Enabled	Disabled
OFF	⌊____⌋	Option 02 Openings & Closings Enabled	Disabled
OFF	⌊____⌋	Option 03 Auxiliary Keys Alarm Enabled	Disabled
OFF	⌊____⌋	Option 04 Panic Keys Alarm Enabled (Listen)	Disabled
OFF	⌊____⌋	Option 05 Duress Alarm Enabled (Listen)	Disabled
OFF	⌊____⌋	Option 06 Zone Expander Superv. Alarm	Disabled
OFF	⌊____⌋	Option 07 Opening After Alarm enabled	Disabled
OFF	⌊____⌋	Option 08 For Future Use	

[55] Audio Duration

Default

90 ⌊__|__|__⌋ (Valid entries are 01-99 Seconds)

[60] Telephone Ring Mask

Default		Option ON	Option OFF
OFF	⌊____⌋	Option 01 For Future Use	
OFF	⌊____⌋	Option 02 Port 1 Telephone Ring Enabled	Disabled
OFF	⌊____⌋	Option 03 Port 2 Telephone Ring Enabled	Disabled
OFF	⌊____⌋	Option 04 Port 3 Telephone Ring Enabled	Disabled
OFF	⌊____⌋	Option 05 Port 4 Telephone Ring Enabled	Disabled
OFF	⌊____⌋	Option 06 Port 5 Telephone Ring Enabled	Disabled
OFF	⌊____⌋	Option 07 Port 6 Telephone Ring Enabled	Disabled
OFF	⌊____⌋	Option 08 Port 7 Telephone Ring Enabled	Disabled

[70] Doorstrike Activation Mask

Default		Option ON	Option OFF
OFF	⌊____⌋	Option 01 For Future Use	
OFF	⌊____⌋	Option 02 Port 1 Enabled to Activate Doorstrike	Disabled
OFF	⌊____⌋	Option 03 Port 2 Enabled to Activate Doorstrike	Disabled
OFF	⌊____⌋	Option 04 Port 3 Enabled to Activate Doorstrike	Disabled
OFF	⌊____⌋	Option 05 Port 4 Enabled to Activate Doorstrike	Disabled
OFF	⌊____⌋	Option 06 Port 5 Enabled to Activate Doorstrike	Disabled
OFF	⌊____⌋	Option 07 Port 6 Enabled to Activate Doorstrike	Disabled
OFF	⌊____⌋	Option 08 Port 7 Enabled to Activate Doorstrike	Disabled

[72] Doorstrike PGM Option Programming

Default

00 ⌊__|__|__⌋

(Valid entries are: PC5010 v1.XX - 00 = Null Key   PC5010 v2.XX - 00 = Null Key
                                  14 = Sensor Reset   13 = Command Output #1
                                                                            14 = Command Output #2
                                                                            19 = Command Output #3
                                                                            21 = Command Output #4)