PERS-3600B

Personal Emergency Reporting System

Installation & Operation Instructions
Important PERS Installation Warnings

✔ Be sure and test the system weekly. Instruct the end-user regarding the importance of periodically testing the system.

✔ IMPORTANT – For telephone connection, connect the “LINE” jack to the household telephone line wall jack, as described in the installation instructions. **The Console will not be able to report over the telephone if this connection is not made.**

✔ The Console must be connected to a Managed Facilities Voice Network (MFVN) that will remain in operation during local power outages.

✔ The Console must be located centrally in the installation area relative to where the personal emergency transmitter(s) will be carried and/or activated.

✔ Locating the Console adjacent to large metal objects may change or reduce the effective radio range of personal emergency transmitters used with the Console.

✔ Electrical interference can reduce the effective radio range of the Console. Do not operate any electrical appliances or electrical noise generating devices (fluorescent lamps, motors, etc.) near the Console.

✔ The Console should be kept free of dust and moisture.

✔ Do not use ammonia, benzene, thinner, or similar solvents, or abrasive powder to clean the housing of the Console or the emergency transmitter(s). Clean units by wiping with a damp, soft cloth.

✔ The Console should not be located where sunlight will shine direct on it.

✔ Avoid locating the Console in extremely hot or cold locations.

✔ This electronic product and its backup battery are not to be thrown away with everyday waste. It is your responsibility to dispose of electrical and electronics equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment (W.E.E.E.). The separate collection and recycling of your waste electrical and electronic equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, or your household waste disposal service, or the shop where you purchased the product.
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1. Product Description

The PERS-3600B Console is a UL Listed supervised wireless emergency reporting product designed for personal emergency applications. The table-top Console provides “pushbutton” emergency assistance to anyone who desires additional security and peace of mind. For the visually impaired, each button on the Console is molded with braille characters to identify the button’s function.

The Console can receive signals from up to 16 Linear wireless transmitters. Activating a transmitter causes the Console’s digital communicator to send the appropriate alarm report to the central monitoring station via the standard telephone network. In addition to the central station report, audible and visual indications occur and the alarm relay energizes during an emergency activation.

The emergency alarm can be triggered by the large HELP button on the top of the Console or with a wireless transmitter. The fire alarm can be triggered by a wireless smoke alarm.

Activity Timer
The optional activity timer can be set for 8, 12 or 24 hour operation or disabled. The emergency alarm will trigger automatically if the time set elapses before an activity transmitter is triggered or the Console’s HOME button is pressed.

Voice Prompts
To simplify operation, the Console can “speak” to the subscriber with its built-in digitally synthesized voice. The Console will say “emergency”, “fire”, “CO alarm”, “timer done soon”, and other system operation, setup, and supervisory prompts from a 50 word vocabulary. If necessary, the voice option can be disabled.

Audio Communications
The Console can perform 2-way voice activated (duplex), 2-way manual, and 1-way listen-only audio communications through the Console’s built-in high-sensitivity microphone and speaker. Communications with central station monitoring personnel starts after an alarm. Communications can also be started without any subscriber action by calling the Console twice from any telephone and keying in a four digit password.

Reminder Messages
As a special feature, the PERS-3600B Console can record and play up to approximately eight 15-second audio reminder messages. The reminder messages can be used to help the subscriber remember to take medications, call someone, get ready for an appointment, etc. Each message is controlled by a real time clock and can be programmed via the RA-2400 software to play daily, every other day, weekly, or monthly. Reminder messages are played and repeated in three-minute intervals for either 15 or 30 minutes (programmable) until canceled. Messages can also be programmed for single-play.

Built-In Speakerphone
The Console can be programmed to act as a remote controlled “speakerphone”. With the speakerphone mode enabled, the Console will monitor the telephone line for an incoming call. Activating any emergency transmitter (or the Console’s HELP button) while the telephone is ringing will cause the Console to seize the line and begin speakerphone communications. Activating any emergency transmitter (or HELP button) during the call will disconnect the line. The Console will auto-disconnect after 15, 30, or 60 minutes (programmable).

Transmitter Supervision
Supervised transmitters regularly send status reports to the Console and low battery reports when their batteries are low. When the Console receives a low battery report, the STATUS indicator blinks. If the Console fails to receive a status report from a transmitter for a period of 24 hours, the STATUS indicator will light. All supervisory conditions can sound a local annunciation and be reported to the central station (optional through programming).

Digital Communicator
The Console’s digital communicator can route calls to three telephone numbers: primary, secondary, and supervisory. General reporting codes and individual sensor reporting codes are programmable for the 4x2 format. Alternately, Ademco Contact ID format can be selected. The telephone line is constantly monitored, line failure and restoral will be locally announced by the Console (optional through programming).

Power Supply
Powered by a low voltage plug-in transformer, the Console has provisions for a rechargeable backup battery for operation during AC power outages. A power switch allows for out-of-service storage of the Console without discharge of the battery. The battery is recharged by the Console, even if the POWER switch is off (as long as the transformer is plugged in). If the backup battery becomes low, the POWER light will flash and the condition can be reported to the central station.

Programming
The Console is programmed using the RA-2400 remote access software (available at Linear’s Web site: www.linearcorp.com). Refer to the software’s detailed instruction manual and built-in help file for programming details.
2. Operation Summary

A variety of Linear’s DXS Format and DXT Format transmitters can be used with the Console.

✓ NOTE: DXS Format transmitters are supervised, DXT Format transmitters are not supervised.

Transmitters can be assigned to the following four functions:

Emergency
Portable pendant, belt-clip, or wristband type transmitters and stationary transmitters are used for personal emergency applications. When an emergency transmitter is triggered, the Console announces the emergency alarm and an emergency report is sent to the central station. The emergency alarm can also be triggered by pressing the Console’s HELP button.

Fire
The Model DXS-73 wireless photoelectric smoke alarm triggers the fire alarm. When the fire alarm is activated, the Console announces the fire alarm and a fire report is sent to the central station.

Carbon Monoxide (CO)
The Model DXS-80 wireless carbon monoxide detectors trigger the CO alarm. When a carbon monoxide alarm is activated, the Console sounds a repeated series of four beeps and a carbon monoxide report is sent to the central station.

Activity
Switch or motion triggered transmitters (Models DXS-31/DXS-32 and DXS-54) can be used for ensuring human activity. The DXS-54 motion detector will monitor room activity. The DXS-31 and DXS-32 transmitters can be wired to a pushbutton or switch for manual activity monitoring. As long as a signal is received at least once every 8, 12, or 24 hours (programmable) an alarm will not be triggered. 15 minutes before the programmed time expires, the HOME indicator will start blinking and the Console will announce every ten seconds that the timer will run out soon. The activity timer can be reset with a signal from one of the activity transmitters or by pressing the HOME button on the Console. Failure to reset the activity timer within the programmed time period will trigger the Console’s emergency alarm and send an inactivity report to the central station. The activity timer can be turned on or off at the Console or through programming.

Automatic Full System Test
The Console can be programmed to perform a full system test daily, weekly, or monthly. The automatic full system test can also be disabled. As long as all system components are operational, the system test report will be sent at the programmed interval. The full system test report will NOT be sent if any system component (transmitter, Console, phone line) is not fully functional.
3. Control Area Features

**Home Indicator**
- Lights when Activity Timer is on
- Light is off when Activity Timer is off

**Home Button**
- Press to reset activity timer
- Press for 5 seconds to turn activity timer and reminder report on
- If activity timer is off, press for 5 seconds to turn activity timer and reminder report on
- Used in test mode to record and playback reminder messages

**Cancel Button**
- Stops alarm
- Adds cancel to an alarm report in progress
- Press immediately after emergency to prevent report
- Clears indicators
- Stops trouble beeper
- Press for 5 seconds to add a transmitter
- Clears reminder message

**Send Indicator**
- Normally off
- Flashes when console is placing a call

**Help Button**
- Press and hold to trigger the emergency alarm
- Press during ring for speakerphone mode
- Press during speakerphone mode to disconnect
- Press while in test mode to connect the console to a PC for local programming with the RA-240S software

**Send Indicator Cover**
- Hides the home button if the activity timer is not used

**Cancel to an Alarm**
- Removes if installed to record and playback reminder messages

4. Rear Side and Bottom Features

**Console Rear**
- Backup battery access door
- Power switch
- Test button
- External speaker and relay output terminals
- External speaker bypass jumper (factory installed)
- Telephone line jack
- External microphone terminals
- 12VAC 1.25A plug-in transformer
- Battery fuse cover
- Fuse type: 2AG
- Fuse rating: 1AMP
- Two-way audio volume
- Digital voice volume

**Console Bottom**
- Battery fuse cover
- Fuse type: 2AG
- Fuse rating: 1AMP
- Two-way audio volume
- Digital voice volume

5. Telephone Connections

**Rear of Console**
- Connect this jack to the telephone line
- Connect this jack to the local telephone
- Resident’s telephone jack
- Resident’s local telephone (optional)

6. Backup Battery Installation

1. Be sure that the power switch is off
2. Remove the battery door
3. Connect the red lead to positive and the black lead to the negative battery terminal
4. Slide the battery into the case and replace the battery door

**CAUTION:** Connecting the battery leads backwards will blow the battery fuse.

**Battery Type:**
- 12-Volt, 1.2 Amp Hour
- Battery Type: 1 Amp 2AG

**NOTE:** The console is shipped with removable labels covering some of the rear connections.
7. Transformer Installation

1. Plug transformer into an un-switched AC outlet

2. Secure transformer with screw

8. Apply Power - Select Dialing Method

Note: The default dialing method is tone dialing
If required, change the dialing method by pressing and holding the home & cancel buttons for 3 seconds while switching the power on.

ON ← OFF

9. Transmitter Installation Options

For DXS-31 Stationary Transmitters

When it is installed with the jumper set for delay

The transmitter will function as emergency

When it is installed with the jumper set for instant

The transmitter will function as activity

For Model DXS-32: Cut jumper (instant TX) for use as an activity TX. See DXS-32 Installation Instructions

10. Installing Single Transmitters

Adds one transmitter at a time

1. Press cancel button for 5 seconds
   • Console announces that it is ready to learn transmitters

2. Activate transmitter
   • Console announces transmitter type then reverts to standby mode

   Note: If the console's memory is full, the console will announce "error zones full"

3. Repeat steps 1 & 2 for additional transmitters (up to 16 total)

   Note: Press cancel before transmitting to return to standby mode without entering a transmitter
   • The console will announce its status

The console will return to standby mode automatically when a transmitter is learned or after 30 seconds has elapsed

Note: Write down each transmitter's type and zone number when the transmitter is added. The central station will need to know the type and reporting zone for each transmitter.
11. Installing Multiple Transmitters

ADDs MULTIPLE TRANSMITTERS

1. PRESS TEST BUTTON
   • CONSOLE ANNOUNCES
   TEST MODE

2. PRESS TEST BUTTON AGAIN
   • CONSOLE ANNOUNCES ITS
   READY TO LEARN TRANSMITTERS

NOTE: EACH TIME THE TEST BUTTON IS PRESSED IN THE ADD TRANSMITTER MODE, THE CONSOLE WILL BE READY TO INSTALL A TRANSMITTER IN THE NEXT AVAILABLE SENSOR ZONE LOCATION. THE CONSOLE WILL ANNOUNCE THE SENSOR ZONE LOCATION NUMBER.

3. ACTIVATE TRANSMITTER
   • CONSOLE ANNOUNCES
   THE TRANSMITTER TYPE

NOTE: IF THE CONSOLE’S MEMORY IS FULL, THE CONSOLE WILL ANNOUNCE “ERROR ZONES FULL”

4. REPEAT STEPS 2 & 3 FOR ADDITIONAL TRANSMITTERS
   (UP TO 16 TOTAL)

5. PRESS CANCEL TO RETURN TO STANDBY MODE
   • THE CONSOLE WILL ANNOUNCE ITS STATUS
   AUTOMATICALLY AFTER 3 MINUTES

NOTE: WRITE DOWN EACH TRANSMITTER’S TYPE AND ZONE NUMBER
WHEN THE TRANSMITTER IS ADDED. THE CENTRAL STATION WILL NEED TO KNOW THE TYPE AND REPORTING ZONE FOR EACH TRANSMITTER

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12. Testing Transmitters

1. PRESS TEST BUTTON
   • CONSOLE ANNOUNCES
   TEST MODE

2. ACTIVATE EACH OF THE
   CONSOLE’S TRANSMITTERS,
   ONE AT A TIME

3. THE CONSOLE WILL ANNOUNCE
   THE TRANSMITTER’S TYPE
   AND ZONE NUMBER AND ANY
   SUPERVISORY CONDITIONS
   FOR THE TRANSMITTER

4. PRESS CANCEL TO RETURN TO STANDBY MODE
   • THE CONSOLE WILL ANNOUNCE ITS STATUS
   THE CONSOLE WILL RETURN TO STANDBY MODE
   AUTOMATICALLY AFTER 3 MINUTES

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13. Erasing Transmitters

CAUTION: ALL TRANSMITTERS
WILL BE ERASED!

1. PRESS AND HOLD THE TEST BUTTON FOR 5 SECONDS
   • CONSOLE ANNOUNCES “ZONE RESET”
   (ALL TRANSMITTERS ERASED)

2. PRESS CANCEL TO RETURN TO STANDBY MODE
   • THE CONSOLE WILL ANNOUNCE ITS STATUS
   THE CONSOLE WILL RETURN TO STANDBY MODE
   AUTOMATICALLY AFTER 3 MINUTES

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14. Recording Reminder Messages

RECORDING REMINDER MESSAGES
1. PRESS AND RELEASE THE TEST BUTTON
   TO ENTER TEST MODE
2. PRESS AND HOLD THE HOME BUTTON FOR
   5 SECONDS (BE READY TO RECORD)
3. RECORD UP TO A 15 SECOND MESSAGE
   (SPEAK AT NORMAL VOLUME, TWO FEET FROM CONSOLE)
4. PRESS THE HOME BUTTON TO STOP RECORDING
5. PRESS THE HOME BUTTON AGAIN TO PLAY THE
   MESSAGE JUST RECORDED, PRESS THE HOME
   BUTTON TWICE AND HOLD IT AFTER THE 2ND PRESS
   TO RECORD ANOTHER MESSAGE IN THE NEXT
   AVAILABLE MESSAGE NUMBER
6. REPEAT STEPS 2-5 FOR ADDITIONAL MESSAGES
   (UP TO 8 MESSAGES ALLOWED)
7. PRESS AND RELEASE THE CANCEL BUTTON TO
   EXIT TEST MODE

TEST PLAYING REMINDER MESSAGES
1. PRESS AND RELEASE THE TEST BUTTON
   TO ENTER TEST MODE
2. PRESS AND RELEASE THE HOME BUTTON
3. THE CONSOLE WILL ANNOUNCE EACH MESSAGE
   NUMBER, THEN PLAY THE RECORDED MESSAGE
4. PRESS THE HOME BUTTON TO ADVANCE TO
   THE NEXT MESSAGE TO BE PLAYED
5. PRESS AND RELEASE THE CANCEL BUTTON TO
   EXIT TEST MODE

NOTE: TIME SCHEDULING FOR PLAYING REMINDER
MESSAGES IS SET WITH THE RA-2400 SOFTWARE

ERASING ALL REMINDER MESSAGES
1. PRESS AND RELEASE THE TEST BUTTON
   TO ENTER TEST MODE
2. PRESS AND HOLD THE HOME BUTTON FOR
   MORE THAN 10 SECONDS
3. THE CONSOLE WILL ERASE ALL REMINDER MESSAGES
   AND PLAYBACK SCHEDULES
4. PRESS AND RELEASE THE CANCEL BUTTON TO
   EXIT TEST MODE
15. Local Programming With RA-2400

1. PERFORM THE STEPS DETAILED IN THE RA-2400/PEERS REFERENCE GUIDE (P/N 224756) TO SET UP THE RA-2400 PROGRAM

2. TO LOCALLY PROGRAM THE CONSOLE, CONNECT THE MODEM’S LINE JACK TO THE CONSOLE’S LINE JACK

3. PRESS THE TEST BUTTON MOMENTARILY
   • CONSOLE ANNOUNCES TEST MODE
   • START A LOCAL CONNECTION WITH THE RA-2400 SOFTWARE

   NOTE: CONSOLE WILL EXIT TEST MODE AUTOMATICALLY AFTER 3 MINUTES OR BY PRESSING THE CANCEL BUTTON

4. WHEN RA-2400 CONNECTION TIMER STARTS COUNTING DOWN, PRESS THE HELP BUTTON • THE CONSOLE ANNOUNCES “PHONE ON” WHEN THE CONSOLE HAS CONNECTED

5. PERFORM PROGRAMMING IN THE RA-2400 SOFTWARE, SEND AND SAVE THE ACCOUNT PROFILE, THEN DISCONNECT FROM THE CONSOLE

16. System Operation

CONSOLE STANDING BY

THE HOME INDICATOR WIT LIGI, SHOWING THAT THE ACTIVITY TIMER IS ENABLED

- IN CASE OF EMERGENCY -

THE CONSOLE ANNOUNCES EMERGENCY UNTIL THE CANCEL BUTTON IS PRESSED, CENTRAL STATION REPORT IS COMPLETE OR THE SIREN TIME EXPIRES

PRESS AND MOMENTARILY HOLD THE HELP BUTTON - OR - ACTIVATE AN EMERGENCY TRANSMITTER

PRESS TRANSMITTER BUTTON FOR AT LEAST 2 SECONDS

SENDING LIGHT FLASHES DURING COMMUNICATION

PRESS CANCEL TO STOP THE ALARM (ADS CANCEL TO ALARM REPORT IN PROGRESS)

17. Activity Timer Operation

1. ENABLING THE ACTIVITY TIMER
   PRESS THE HOME BUTTON FOR 5 SECONDS TO TURN THE ACTIVITY TIMER ON

   NOTE: THE ACTIVITY TIMER CAN BE ENABLED FOR 8, 12, OR 24 HOURS, OR DISABLED BY PROGRAMMING

   NOTE: TO TURN THE ACTIVITY TIMER OFF, PRESS THE HOME BUTTON FOR FIVE SECONDS, THIS WILL ALSO TURN ON/OFF REMINDER REPORTING IF REMINDER TIME OUT REPORT IS ENABLED IN THE RA-2400 SOFTWARE (ACTIVITY TIMER CAN BE DISABLED SEPARATELY IN RA-2400 ALARMS PROGRAMMING)

2. ACTIVITY TIMER RUNNING
   THE HOME INDICATOR WILL LIGHT, SHOWING THAT THE ACTIVITY TIMER IS ENABLED

3. TIME RUNNING OUT
   THE HOME INDICATOR WILL BLINK & THE CONSOLE ANNOUNCES EVERY 10 SECONDS WHEN LESS THAN 15 MINUTES OF TIME REMAIN

4. RESETTING ACTIVITY TIMER
   THE SUBSCRIBER NEEDS TO PRESS THE HOME BUTTON OR TRIGGER AN ACTIVITY TRANSMITTER BEFORE THE TIMER EXPIRES TO PREVENT AN INACTIVITY REPORT

   PRESSING THE HOME BUTTON RESTARTS THE TIMER

18. Audio Operation

1. PROGRAM THE CONSOLE FOR THE DESIRED AUDIO MODE:
   1) LISTEN-ONLY
   2) 2-WAY MANUAL
   3) 2-WAY VOICE ACTIVATED (DUPLEX)

2. AFTER THE CENTRAL STATION OPERATOR ACKNOWLEDGES THE COMMUNICATOR’S REPORT, THE CONSOLE WILL STOP ITS LOCAL ALARM AND SWITCH TO THE SELECTED AUDIO MODE FOR 90 SECONDS

   AUDIO OPERATION CAN ALSO BE ESTABLISHED BY CALLING THE CONSOLE TWICE AND KEYING IN THE FOUR DIGITREMOTE AUDIO PASSWORD FOLLOWED BY THE # KEY (SEE SECTION #2)

3. CENTRAL STATION OPERATOR OR AUDIO CALLER:
   USE THESE KEYS ON A TELEPHONE SET TO CONTROL THE CONSOLE’S AUDIO MODE (IN CENTRAL STATION, CONNECT A TELEPHONE TO THE SAME TELEPHONE LINE AS THE CENTRAL STATION RECEIVER)

   ALL AUDIO MODES
   PRESS "9" TO DISCONNECT THE CALL

   2-WAY MANUAL AUDIO MODE
   PRESS "3" TO LISTEN

   PRESS "1" TO TALK

   THE "1" AND "3" KEYS ARE NOT USED IN LISTEN-ONLY AUDIO MODE

   THE "1" AND "3" KEYS CAN BE USED IN 2-WAY VOICE ACTIVATED MODE. USING THEM WILL CAUSE THE SYSTEM TO SWITCH TO 2-WAY MANUAL MODE. PRESSING "8" RESTORES 2-WAY VOICE ACTIVATED MODE.

   PRESSING ANY KEY OTHER THAN "9" WILL EXTEND THE AUDIO TIME 90 MORE SECONDS
19. Speakerphone Operation

1. Program the console to enable speakerphone mode
   Note: Speakerphone mode can only be used on incoming calls and will not function when the console is operating from backup battery power. Attempting to answer while the console is on backup power will cause an emergency alarm.

2. While the telephone is ringing, activating an emergency transmitter or pressing the help button will seize the telephone line.

3. The system will begin 2-way voice activated mode for audio communications
   Warning: The console will not be able to report an emergency while the speakerphone mode is active
   Note: To report an emergency when the speakerphone is in use, press either the help button or the button on an emergency transmitter to end the phone call and then press one of these buttons again to report the emergency.

4. The console will end audio communications when either:
   - The help button is pressed
   - Any emergency transmitter is activated
   - The auto-disconnect timer runs out (programmable for 15, 30, or 60 minutes)

20. Supervisory Conditions

- Transmitter low battery
  When a transmitter sends a low battery signal, the console’s status indicator will blink slowly

- Transmitter supervisory
  If a transmitter programmed as supervised fails to report status in a 24 hour period, the console’s status indicator will light

- Low console backup battery
  The console will test its backup battery every 8 hours. If the battery tests low, the power indicator will blink slowly while the console charges the battery.

- Clearing status indications
  Press the cancel button to clear the status indicator and stop the annunciation

- Error - low sensor battery

- Note: A trouble condition will likely occur again until the problem is fixed

The console will report these supervisory conditions to the central station if enabled in the communicator programming (automatic full-system console supervisory reports can also be sent at 1, 7, or 30 day intervals)

21. Optional Output Connections

- Use a small screwdriver to push on the terminal locks to allow the wire to slide into the terminal hole

- Note: Not to be used in UL installations

- Connect wires to relay terminals

- Note: The console is shipped with removable labels covering some of the rear connections

- Terminals 2 & 3 are a form “A” dry contact relay rated 24 volts at 1 amp maximum

- Noisemaker or visual indicator

- External power supply

22. Optional Remote Speaker/Mic Connections

- Use shielded twisted pair wire for microphone

- Note: Remove jumper when using a UL listed model RSM-1 or other UL listed speaker

- Console main terminal block
  1 - +12VDC @ 100 mA
  2 - relay normally open
  3 - relay normally open
  4 - ground
  5 - external speaker

- RSM-1 terminal block
  SPKR SPKR MIC (-) MIC (+)

- Note: Not to be used in UL installations
### 23. Non-Voice Prompt Beep Legend

<table>
<thead>
<tr>
<th>Beeps</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 BEEP</td>
<td>Transmitter added to a sensor zone</td>
</tr>
<tr>
<td>1 LONG BEEP</td>
<td>Sensor zones full</td>
</tr>
<tr>
<td>2 BEEPS</td>
<td>Console in standby mode, activity timer on</td>
</tr>
<tr>
<td>3 BEEPS</td>
<td>Console in standby mode, activity timer off</td>
</tr>
<tr>
<td>4 BEEPS</td>
<td>Console in test mode</td>
</tr>
<tr>
<td>5 BEEPS</td>
<td>Console in learn transmitter mode</td>
</tr>
<tr>
<td>6 BEEPS</td>
<td>Console has erased all transmitters</td>
</tr>
<tr>
<td>7 BEEPS</td>
<td>Pulse dialing has been selected for the console</td>
</tr>
<tr>
<td>8 BEEPS</td>
<td>Tone dialing has been selected for the console</td>
</tr>
</tbody>
</table>

### 24. Remote Audio Communications

**To Establish Remote Audio Communications With the Console:**

1. Dial the number of the phone line that the console is connected to, allow it to ring three times, then hang up.
2. Wait about 10 seconds, then call the console a second time.
3. When the console answers, a tone will sound for about 8 seconds.
4. When the tone ends, enter the remote audio password (default 1234) followed by the # key.

**The Console Will Begin Audio Communications (2-Way Duplex, 2-Way Manual, or Listen-Only) Depending on the Console's Programming**

See Section 18 for Audio Communication Operation Details.

**Note:** If the console audio is set to “None” Remote Audio Communications Will Not Function.

### 25. Wireless Installation Tips

- **WALLBOARD AND WOOD STUDS**
  - 50% - 100% of full power

- **LIGHT CONCRETE OR BRICK**
  - 65% - 95% of full power

- **CONCRETE WITH STEEL REINFORCEMENT OR METAL LATH AND PLASTER**
  - 10% - 70% of full power

**Central Location Will Affect Radio Range**

- Transmitters at the other end of the house might be too far away.

**Wrong!**

### 26. Specifications

**Coding Formats**

<table>
<thead>
<tr>
<th>Code</th>
<th>DX Code</th>
<th>DX Code 24-Bit A1 PPM</th>
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</thead>
<tbody>
<tr>
<td>DXS</td>
<td>1,084,567 Codes</td>
<td></td>
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</table>

**Power Requirements**

<table>
<thead>
<tr>
<th>Description</th>
<th>Limitation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Primary Supply</td>
<td>12 VAC 1.25 AMP plug-in transformer</td>
</tr>
<tr>
<td>Normal Operating Current</td>
<td>120 mA</td>
</tr>
<tr>
<td>Alarm Operating Current</td>
<td>190 mA</td>
</tr>
<tr>
<td>Backup Operation Duration</td>
<td>30 Hours Minimum</td>
</tr>
<tr>
<td>Battery Life Expected</td>
<td>3 Years</td>
</tr>
<tr>
<td>Backup Supply Operating Current</td>
<td>40 mA</td>
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<tr>
<td>Battery Fuse</td>
<td>1 AMP, TYPE 2AG</td>
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**RF Characteristics**

<table>
<thead>
<tr>
<th>Description</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Receiver Type</td>
<td>Dual-diversity superheterodyne</td>
</tr>
<tr>
<td>RF Sensitivity</td>
<td>-100 dBm Typical</td>
</tr>
<tr>
<td>Radio Frequency</td>
<td>315 MHz</td>
</tr>
<tr>
<td>Maximum Range</td>
<td>400 feet (line-of-sight), open range</td>
</tr>
<tr>
<td>UL Listed</td>
<td>For 150 feet</td>
</tr>
</tbody>
</table>

**Communicator**

<table>
<thead>
<tr>
<th>Description</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communicator Formats</td>
<td>4 x 2 (General or point-to-point), 2 x 2 (Duplex)</td>
</tr>
<tr>
<td>UL Tested</td>
<td>With Surge Protection</td>
</tr>
<tr>
<td>Central Station Receiver</td>
<td></td>
</tr>
<tr>
<td>Dialing Time</td>
<td>0 or 15 seconds</td>
</tr>
<tr>
<td>Remote Programming Password</td>
<td>6 DIGITS</td>
</tr>
<tr>
<td>Remote Communications Password</td>
<td>6 DIGITS</td>
</tr>
<tr>
<td>Account Number Length</td>
<td>4 DIGITS</td>
</tr>
<tr>
<td>Primary Telephone Number</td>
<td>20 DIGITS</td>
</tr>
<tr>
<td>Secondary Telephone Number</td>
<td>20 DIGITS</td>
</tr>
<tr>
<td>Supervisory Telephone Number</td>
<td>20 DIGITS</td>
</tr>
<tr>
<td>Console Status Report</td>
<td>Optional, 1, 7, or 30 day report</td>
</tr>
</tbody>
</table>

**Console**

<table>
<thead>
<tr>
<th>Description</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Temperature</td>
<td>32°-120° F (0°-49° C)</td>
</tr>
<tr>
<td>Help Alarm Duration</td>
<td>1 - 30 minutes</td>
</tr>
<tr>
<td>Activity Timer Period</td>
<td>8, 12, or 24 hours</td>
</tr>
<tr>
<td>Audio</td>
<td>Listen-only, 2-way manual, 2-way voice activated (duplex, speakerphone)</td>
</tr>
<tr>
<td>Relay Output</td>
<td>N.O. @ 24 VAC or DC 1 AMP</td>
</tr>
</tbody>
</table>

**NOTE:** The installer must verify compatibility between the Pers-3000B and the UL listed digital alarm communicator receiver.

### 27. Linear Limited Warranty

This Linear product is warranted against defects in material and workmanship for twelve (12) months. This warranty extends only to wholesale customers who buy direct from Linear or through Linear’s normal distribution channels. Linear does not warrant this product to consumers. Consumers should inquire from their selling dealer as to the nature of the dealer’s warranty, if any. There are no obligations or liabilities on the part of Linear LLC for consequential damages arising out of or in connection with use or performance of this product or other indirect damages with respect to loss of property, revenue, or profit, or cost of removal, installation, or reinstallation. All implied warranties, including implied warranties for merchantability and implied warranties for fitness, are valid only until the warranty expires. This Linear LLC Warranty is in lieu of all other warranties express or implied.

All products returned for warranty service require a Return Product Authorization Number (RPA#). Contact Linear Returns at 1-855-546-3351 for an RPA# and other important details.

**Important Wireless Information**

Linear radio controls provide a reliable communications link and fill an important need in portable wireless signaling. However, there are some limitations which must be observed.

- For U.S. installations only: The radios are required to comply with FCC Rules and Regulations as Part 15 devices. As such, they have limited transmitter power and therefore limited range.
- A receiver cannot respond to more than one transmitted signal at a time and may be blocked by radio signals that occur on or near their operating frequencies, regardless of code settings.
- Changes or modifications to the device may void FCC compliance.
- Infrequently used radio links should be tested regularly to protect against undetected interference or fault.
- A general knowledge of radio and its vagaries should be gained prior to acting as a wholesale distributor or dealer, and these facts should be communicated to the ultimate users.

This device complies with FCC Part 15 and Canada Rules and Regulations. Operation is subject to the following two conditions: (1) This device may not cause harmful interference and (2) this device must accept any interference received, including interference that may cause undesired operation. The present apparatus is conforme aux CNR d’Industrie Canada applicables aux appareils radio exempts de licence. L’exploitation est autorisée aux deux conditions suivantes : (1) l’appareil ne doit pas produire de brouillage, et (2) l’utilisateur de l’appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d’en compromettre le fonctionnement.