

# PERS-3600



## Personal Emergency Reporting System

- UL Listed Per UL1637
- Reminder Messages
- Two-Way Voice Communications
- Voice Prompts / Inactivity Reporting / Speakerphone
- Superior Quality



**Linear**<sup>®</sup>

# The PERS-3600 - Linear's Newest Wireless Emergency Reporting Console

Given the choice, most seniors and persons with medical conditions or physical challenges would prefer to live in their own homes and be as independent as possible. That's not always the case, but for many, this dream can become a reality with the addition of one easy-to-use communications device.

The UL Listed PERS-3600 (PERS: Personal Emergency Reporting System) connects to a telephone line and automatically places a call for help whenever assistance is needed, any time of the day or night. The table-top console provides "pushbutton" emergency assistance to anyone who desires additional security and peace of mind.

The Console's emergency alarm can be triggered by the large, easy to find, help button on the top of the Console or by using a wireless wristband or pendant transmitter. For the visually impaired, each button on the Console is molded with braille characters to identify the button's function. The Console can also function as a fire alarm triggered by compatible wireless smoke detectors.

The Console can receive signals from up to 16 Linear DX or DXS Series wireless transmitters. Activating a transmitter causes the Console's built-in digital communicator to send the appropriate alarm report to the central monitoring station. In addition to the central station report, audible and visual indications occur and the alarm relay energizes during an emergency activation.



PERS-3600 CONSOLE

Electronic Stress Testing (ESS) is a Quality Assurance process that is generally used by companies that supply products to the military or the aerospace industry. Linear performs rigorous temperature testing of every Console to ensure reliability. The procedure involves a three-cycle temperature testing procedure from -22° to +149° Fahrenheit.

In addition, the PERS-3600 Console is UL listed as a home health care signaling device under UL1637 and as a smoke alarm accessory.



## The PERS-3600 Console Comes Standard with Many Valuable and Unique Features:

### VOICE PROMPTS

To simplify operation, the Console can "speak" to the subscriber with its built-in digitally synthesized voice. The Console can say "emergency", "fire", "timer done soon", and other system operation, setup, and supervisory prompts from a 49 word vocabulary.

### AUDIO COMMUNICATIONS

The PERS-3600 Console can perform two-way voice activated (duplex), two-way manual, and one-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-3600 Console can record and play up to 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 30 day schedule. Reminder messages are played and repeated in three-minute intervals for either 15 or 30 minutes until canceled. Messages can also be programmed for single-play.

### ACTIVITY TIMER

For verifying that the subscriber is performing normal household activity, the optional activity timer can be set for 8, 12 or 24 hour operation. The emergency alarm will trigger automatically if the time set elapses *before* a motion sensing, switch activated, or pushbutton activity transmitter is triggered or the Console's home button is pressed.

### 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 pressing the help button) during the call will disconnect the line. The Console will auto-disconnect after 15, 30, or 60 minutes.

### DIGITAL COMMUNICATOR WITH LINE MONITOR

The Console's digital communicator can route calls to three telephone numbers (using Contact ID or 4x2 format). The telephone line is constantly monitored; line failure and restoral can be locally announced by the Console.

### TRANSMITTER SUPERVISION

Supervised transmitters regularly send status reports to the Console and/or 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.

### POWER SUPPLY AND BATTERY BACKUP

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 into a working outlet). 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 Linear's easy-to-use RA-2400 remote access software (available on CD and at Linear's website: [www.linearcorp.com](http://www.linearcorp.com)). The programming software manages each installation's reporting data and sets up the system's options for the Console.





# Compatible Transmitters






## PORTABLE SUPERVISED TRANSMITTERS (DXS FORMAT)

Model	Order Number	Description
DXS-21 	SST00094	<b>2-Button, 1-Channel Handheld Transmitter</b> Supervised two-button, one-channel portable transmitter with high visibility LED, pocket and belt clip, supervised for low battery and sends hourly status signals
DXS-23 	SST00095	<b>Supervised 3-Button, 4-Channel Handheld Transmitter</b> Supervised three-button, four-channel portable transmitter with high visibility LED, pocket and belt clip, supervised for low battery and sends hourly status signals
DXS-62 	SST00090	<b>Supervised 1-Button, 1-Channel Pendant/Wristband Transmitter</b> Miniature one button, one-channel, water-resistant*, supervised transmitter designed for use in emergency applications, supplied with a nylon necklace, wrist band and belt/pocket clip, audible and visual activation indicator
DXS-63 	SST00091	<b>Supervised 2-Button, 1-Channel Pendant/Wristband Transmitter</b> Miniature, two button water-resistant*, supervised transmitter with two-button lockout, designed for use in emergency applications, supplied with a nylon necklace, wrist band and belt/pocket clip, audible and visual activation indicator
DXS-64 	SST00112	<b>Supervised 1-Button, 1-Channel Pendant Transmitter</b> Pendant style water-resistant* transmitter designed for use in emergency applications, includes breakaway nylon necklace, visual activation indicator (Call for availability)

## STATIONARY SUPERVISED TRANSMITTERS (DXS FORMAT)

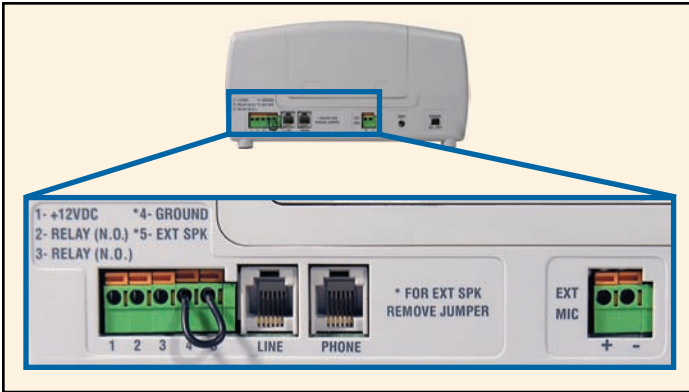
DXS-31 	SST00073	<b>Inactivity Transmitter - Supervised Universal Door/Window</b> Supervised Universal Door/Window transmitter with built-in magnetic switch, accepts N/O or N/C external devices, supervised for low battery and sends hourly status signals, can be used as an activity timer reset transmitter
DXS-32 	SST00100	<b>Inactivity Transmitter - Supervised Miniature Door/Window</b> Supervised miniature Door/Window transmitter with built-in magnetic switch, supervised for low battery and sends hourly status signals, can be used as an activity timer reset transmitter
DXS-54 	SST00074	<b>Inactivity Transmitter - Supervised Passive Infrared Motion Detector</b> Supervised passive infrared motion sensor with built-in transmitter, supervised for low battery and sends hourly status signals, can be used as an activity timer reset transmitter
DXS-72 	SST00076	<b>Supervised Photoelectric Smoke Detector Transmitter</b> Supervised photoelectric smoke detector with built-in transmitter, supervised for low battery and sends hourly status signals

## PORTABLE NON-SUPERVISED TRANSMITTERS (DX FORMAT)

DXT-41 	SNT00381	<b>1-Button, 1-Channel Key Ring Transmitter</b> Miniature slim line single-button one-channel transmitter, white case, aqua button, with snap action key ring
DXT-42 	SNT00382	<b>2-Button, 3-Channel Key Ring Transmitter</b> Miniature slim line two-button three-channel transmitter, white case, aqua button, with snap action key ring
DXT-61A 	SNT00380A	<b>1-Button, 1-Channel Pendant Transmitter</b> Miniature one-button, one-channel pendant transmitter, famous "Panic Button" design, white case, aqua button, with 30" neck chain

\* Safe for use in the shower, tub sink or other areas where you can come in contact with water





PERS-3600 Rear Panel Connection Detail

## FLEXIBLE REAR PANEL CONNECTIONS TO FIT EVERY INSTALLATION

### External Speaker Terminals

For a larger announcement area or to aid the hard of hearing, the Model RSM-1 remote speaker/microphone connects to the Console providing clear, amplified sound. Mount the RSM-1 on a wall or simply place it on a table to extend the working audio range of the Console's voice prompts, reminder messages, and Central Station audio communications.

### External Microphone Terminals

Increase the listening area of the Console with the Model RSM-1 remote speaker/ microphone. The high-gain microphone in the RSM-1 will pick up sounds that are away from the Console. Use the external microphone to provide additional audio coverage for separate rooms, kitchen areas, or garages.

### Relay Output Terminals

Trigger an external sounder (beeper or siren) or visual indicator (light or strobe) with the built-in Form "A" dry contact relay. It will switch up to 1 amp at 24 volts when the Console's emergency alarm has been triggered. A 12 VDC terminal provides up to 100 mA of power for light current draw devices (use an external power supply for higher current needs).

### Telephone Jacks with RJ-31X Line Seizure

Console provides line seizure with a locally connected telephone using the Console's built-in RJ-31X function telephone jacks. Without line seizure, an off-hook local telephone could prevent an emergency call from being placed. With the PERS-3600, a local telephone connected to the Console will be automatically disconnected during emergencies so the Console can seize the incoming telephone line for the emergency call to the Central Station. *Caution: This will not work with any phone that is not directly connected to the PERS-3600 unit.*



RSM-1 Remote Speaker/Microphone

## PERS-3600 Specifications

### CODING FORMATS

DX CODE 24-BIT A1D PPM 1,048,567 CODES  
 DXS CODE 24-BIT A1D PPM 1,048,567 CODES

### POWER REQUIREMENTS

PRIMARY SUPPLY 16 VAC 1.25 AMP PLUG-IN TRANSFORMER  
 BACKUP SUPPLY 12 VOLT 1.2 AMP/HOUR BATTERY  
 NORMAL OPERATING CURRENT 120 mA  
 ALARM OPERATING CURRENT 190 mA  
 BACKUP OPERATION DURATION 30 HOURS MINIMUM  
 BATTERY LIFE EXPECTED 3 YEARS  
 BACKUP SUPPLY OPERATING CURRENT 40 mA  
 BATTERY FUSE 1 AMP, TYPE 2AG

### RF CHARACTERISTICS

RECEIVER TYPE DUAL-DIVERSITY SUPERHETERODYNE  
 RF SENSITIVITY -100 dBm TYPICAL  
 RADIO FREQUENCY 315 Mhz  
 MAXIMUM RANGE 400 FEET LINE-OF-SIGHT, OPEN RANGE




### COMMUNICATOR

COMMUNICATOR FORMATS 4 BY 2 (GENERAL OR POINT-TO-POINT), ADEMCO CONTACT ID  
 DIALING TONE OR PULSE  
 DIALING DELAY 0 OR 15 SECONDS  
 REMOTE PROGRAMMING PASSWORD 6 DIGITS  
 REMOTE COMMUNICATIONS PASSWORD 4 DIGITS  
 ACCOUNT NUMBER LENGTH 4 DIGITS  
 PRIMARY TELEPHONE NUMBER 20 DIGITS  
 SECONDARY TELEPHONE NUMBER 20 DIGITS  
 SUPERVISORY TELEPHONE NUMBER 20 DIGITS  
 CONSOLE STATUS REPORT OPTIONAL 1, 7 OR 30 DAY REPORT

### CONSOLE

OPERATING TEMPERATURE 32°-120° F (0-49° C)  
 HELP ALARM DURATION 1-30 MINUTES  
 ACTIVITY TIMER PERIOD 8, 12, OR 24 HOURS  
 AUDIO LISTEN-ONLY, 2-WAY MANUAL, 2-WAY VOICE ACTIVATED (DUPLEX) SPEAKERPHONE  
 RELAY OUTPUT N.O. @ 24 VOLT AC/DC 1 AMP MAXIMUM, NEC CLASS II CIRCUITRY

## ORDERING INFORMATION

MODEL	PRODUCT NUMBER	DESCRIPTION
	PERS-3600 SSC00066	<b>Personal Emergency Reporting System</b> Supervised emergency reporting system receiver/control, built-in two-way voice module, monitors up to 16 transmitters, can be manually activated, activity timer, reminder message options, point-ID reporting allows multiple users
	RSM-1 CAE00187	<b>Remote Speaker/Microphone</b> External Remote Speaker / Microphone kit for Two-Way voice for the PERS-2400A or PERS-3600, comes in an attractive plastic case that houses an 8-ohm speaker and microphone, unit can be tabletop or wall mounted
	RJ-ADAPT AAE00435	<b>RJ-31X Telephone Adapter</b> RJ-31X adapter for PERS-2400A Console

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