PERS-2400B

Durability and Versatility for Emergency Reporting Solutions

Create a customized and comprehensive Personal Emergency Reporting System with the Linear PERS-2400B.

Linear®

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The PERS-2400B table-top or wall-mount Console provides pushbutton emergency assistance to anyone who desires additional security and peace of mind. Designed for use with a suite of wireless personal transmitters and accessories, the PERS-2400B is the hub of one of the most successful and durable emergency reporting systems available. With the optional VB-4B voice board, the system combines a powerful speaker and sensitive microphone in a proven solution for emergency two-way voice communications.

Simple Operation

• **Pushbutton Emergency Assistance** – A button press on the Console or wireless transmitter automatically places a call to the Emergency Monitoring Center, staffed 24 hours a day by trained professionals. Operators then notify pre-selected contacts to respond in specific situations.

• **Multiple Channels** – Capable of reporting individual emergency alarms for up to 16 subscribers.

• **Silent Alarm and Alarm Tones** – Provides silent alarm capability (as panic button for domestic violence applications) and separate tones for emergency, fire and CO conditions.

• **Built-In Activity Timer** – Monitors household activity when turned on (system default is off). Set for 8, 12 or 24-hour operation, the emergency alarm will trigger automatically if the time set elapses before an activity transmitter is triggered, or before the Console's HOME button is pressed.

• **Aid for the Visually Impaired** – Molded braille characters identify each Console button function.

• **Flexible Notification** – The Console's digital communicator conveys the appropriate alarm report to the Emergency Monitoring Center via the standard telephone or broadband network, along with audible and visual indicators.

• **Programmable Call Capability** –Allows the Console to call three different telephone numbers: primary, secondary and supervisory.

• **Personal Wireless Transmitters** – Effective signal coverage extends throughout the house and outdoors.

Supervision and Auto-Test

• **Transmitter Status Reporting & Supervision** - Optional status reporting mode allows the transmitter to be paired with zone supervision at the Console for automatic "sensor status trouble" reporting.

• **Transmitter Low Battery Monitoring** –Under normal operating conditions, the transmitter detects low battery voltage and provides a status report to its Console.

• **System Auto Test** – The console can be programmed to provide a system "periodic test report" on a 1, 7 or 30 day interval to the central monitoring station.
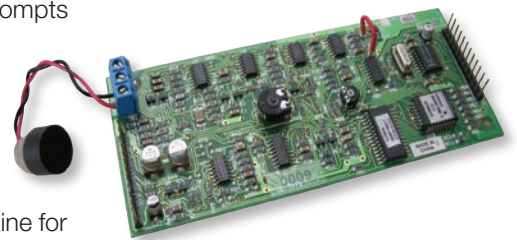
Effortless Installation

- **Easy Installation and Programming** – Set up is made easy by Linear's RA-2400 remote access software.

- **Tested for Reliability** – UL listed as Home Healthcare Signaling Equipment per Standard 1637.

Options For Expanded Utility

Installation and use of a variety of optional equipment broadens the PERS-2400B's utility.

The VB-4B Voice Board

- **Console Talks to User** – The digitized voice will sound emergency, fire, timer done soon, and other system operation, set-up, and supervisory prompts from a 38-word vocabulary.

- **Two-Way Voice Capability** – Subscribers talk directly to Emergency Monitoring Center professionals via 2-way voice activated, 2-way manual, or 1-way listen-only audio communications.

- **Speakerphone Capability** – The Console will monitor the telephone line for an incoming call. Activating any emergency transmitter (or the Console's EMERGENCY button) while the telephone is ringing will cause the Console to seize the line and begin full duplex voice communications. Activating any emergency transmitter (or EMERGENCY button) during the call will disconnect the line. The Console will auto-disconnect after 15, 30, or 60 minutes (programmable).

Smoke Detector

- The DXS-73 Supervised Photoelectric Smoke Detector will sound a loud alarm when smoke is detected, Twenty seconds after the local alarm sounds, the built-in transmitter sends a digitally coded wireless signal to the PERS console. The wireless signal will be repeated every 20 seconds as long as smoke is still present.

Carbon Monoxide Detector

- The DXS-80 Carbon Monoxide Detector will initiate an automatic call to the Emergency Monitoring Center. Warning tones will be sounded by the console and the detectors will alert the subscriber, even during sleep.

Versatile personal transmitters can be worn as a pendant, wrist band or clipped to a belt or pocket.

Compatible Supervised Stationary Transmitters

MODEL	PRODUCT NUMBER	DESCRIPTION
DXS-31	SST00073	**Supervised Universal Door/Window Transmitter** (for emergency and inactivity reporting) 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
DXS-32	SST00100	**Supervised Miniature Door/Window Transmitter** Supervised miniature Door/Window transmitter with built-in magnetic switch, supervised for low battery and sends hourly status signals
DXS-54	SST00074	**Supervised Passive Infrared Motion Detector** (for inactivity reporting) Supervised passive infrared motion sensor with built-in transmitter, supervised for low battery and sends hourly status signals
DXS-73	SST00113	**Supervised Photoelectric Smoke Detector** Supervised photoelectric smoke detector with built-in transmitter, supervised for low battery and sends hourly status signals
DXS-80	SST00116	**Supervised Carbon Monoxide Detector Transmitter** Supervised carbon monoxide (CO) detector with built-in transmitter, supervised for low battery and sends hourly status signals

MODEL	PRODUCT NUMBER	DESCRIPTION
PERS-2400B	SSC00062B	**Personal Emergency Reporting System** Supervised emergency reporting system receiver/control, monitors up to 16 transmitters, can be manually started, activity timer option, two-way voice option, point-ID reporting allows multiple users
VB-4B	AAE00419B	**2-way Audio Module with Voice Prompts** Two-way audio and voice prompt board for the PERS-2400B
RJ-ADAPT	AAE00435	**RJ-31X Telephone Adapter** RJ-31X adapter for PERS-2400B Console
RSM-1	CAE00191	**Remote Speaker/Microphone** External Remote Speaker / Microphone kit for Two-Way voice for the PERS-2400B or PERS-3600B, comes in an attractive plastic case that houses an 8-ohm speaker and microphone, unit can be tabletop or wall mounted

Compatible Supervised Portable Transmitters (DXS Format)

MODEL	PRODUCT NUMBER	DESCRIPTION
DXS-62A	SST00090A	**Supervised 1-Button, 1-Channel Water-Resistant Wristband/Pendant Transmitter** Miniature one button, one-channel, water-resistant, supervised transmitter designed for use in emergency applications, includes adjustable lanyard with breakaway release, wrist band and belt/pocket clip, visual activation indicator.
DXS-64	SST00112	**Supervised 1-Button, 1 Channel Pendant Transmitter** Pendant style water-resistant transmitter designed for use in emergency applications, includes adjustable lanyard with breakaway release, visual activation indicator
DXS-LRW	SST00123	**Supervised 1-Button, Long-Range Wristwatch Transmitter** Wrist version of the LR transmitter series, designed for use in emergency applications. Updated design, shock and water-resistant*, supervised transmitter with improved transmission range and two-color visual activation indicator. Capable of field enrolling with compatible panels and consoles.
DXS-LRP	SST00122 (White) SST00126 (Black)	**Supervised 1-Button, Long-Range Pendant Transmitter** Pendant version of the LR transmitter series, with performance features as listed in the DXS-LRW. Product is provided factory pre-assembled on an adjustable lanyard with a breakaway release. *LR Transmitters - water resistant up to 30 minutes at a depth of three feet*
DXS-65	SST00121	**Supervised Emergency Alarm Transmitter** Supervised emergency transmitter with large HELP button, LED transmission indicator, for wall mounting or tabletop use, extra blank aqua button included

RADIO

Transmitter Capacity: 16 DX or DXS devices

Operating Frequency: 315 MHz
RF Format: Linear DX, DXS

Receiver Type: Dual diversity, superheterodyne
RF Programming Method: Linear quick-learn

COMMUNICATIONS

Communicator Formats: Contact ID and 4 x 2

Dialing Method: Pulse or tone dialing formats, field-enabled

Communicator Reports:
a. All transmitter alarms
b. All transmitter trouble
          Supervisory
          Low battery
c. All inactivity alarm reports
d. AC power failure
e. AC power restored
f. Console low battery
g. Console emergency alarm

CONSOLE

Controls:
a. **EMERGENCY**: Large round button with multiple actuation points, Braille characters
b. **CLEAR**: Momentary for system reset, call cancellation
c. **HOME**: Momentary to reset timer or press and hold for 5 seconds to disable the function
d. **POWER SWITCH**: Controls 120 VAC source, as well as the backup battery

Indicators: Four LEDs
(POWER, TROUBLE, SENDING, HOME)

Connections:
a. In and out telephone jacks
b. External speaker, dialer output, and dialer power terminals
Outputs: One form "C" relay output activated upon initiation of any alarm condition

Programming Method: Via RA-2400 remote access software

Inactivity Timer: Software programmable for 8, 12, or 24 hour cycles

Silent Alarm Feature: Software programmable per channel

Delayed Alarm Feature: Software programmable per channel; delay time 15 or 30 minutes; note that an alarm will not be transmitted if alarming transmitter sends a restore signal to the console prior to delay timer timeout

Selectable Two-Way Voice Activation: Software programmable per channel

Speakerphone Option: Software programmable; call duration time selectable for 15, 30, or 60 minutes

Pulse/Tone Dialing: Software or console programmable

Audible Output: Integral siren

Output Tones: Distinct alarm tones provided for emergency and fire alarm conditions; provisions for timer reset tone also incorporated into system

Dimensions: 8.75 in L x 7.50 inW x 3.00 in H
(222 x 190 x 76 mm)

Backup Battery: Recommended battery is 12V, 1.2 amp-hour; Linear part number 100104

Backup Period: 32 hours minimum with VB-4B voice board installed in the unit

Accessories:
a. Optional VB-4B two-way voice, voice prompt board
b. Optional RSM-1 Remote Speaker/Microphone

Listing: UL per Standard 1637, Home Healthcare Signaling Equipment

Note: The optional RSM-1 is not UL-listed and is not intended to be used in a UL-listed PERS system.

For more information, please visit **www.linearcorp.com**.
Specifications subject to change without notice.

UL1637 LISTED

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