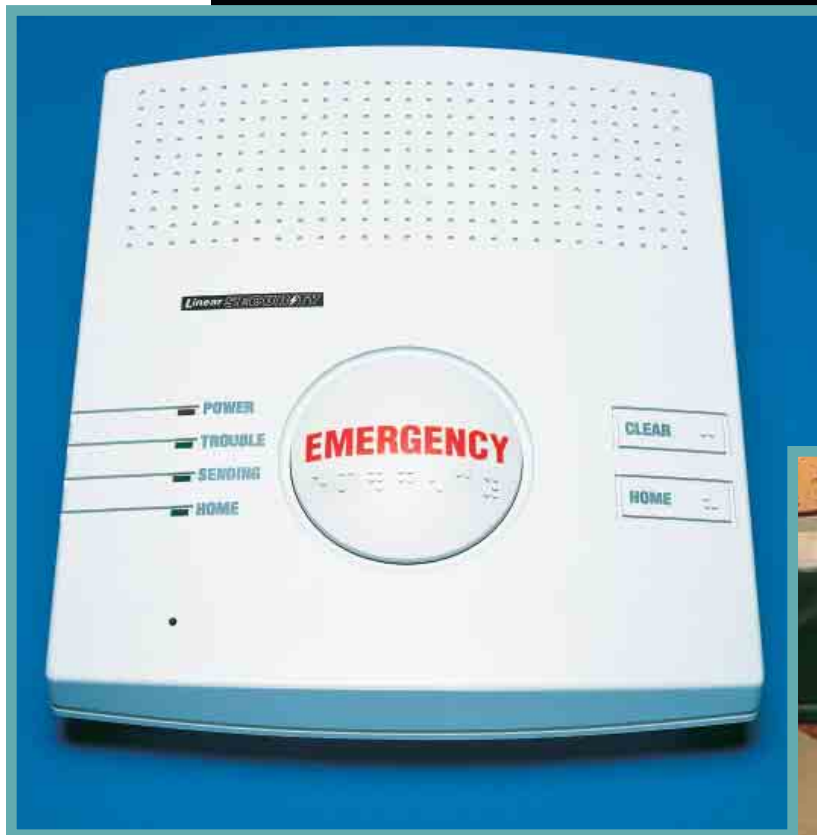


Linear[®]
Building On Innovation.

PERS-2400B
A feature-rich
24-hour
personal emergency
reporting system.



**Now
Enhanced
To Provide
Even More
Versatility**



Fire, CO, emergency, and inactivity reporting; custom programmable emergency alarms for 16 users.

Compatible with DX and DXS transmitters; full supervision of DXS models.

Plug-in 2-way voice option.

UL listed per Standard 1637.

Braille characters on all user controls.

Linear has built a lot of capability into the PERS-2400B, a 24-hour personal emergency reporting system. It is a flexible emergency, fire, and inactivity reporting package, but can also be custom programmed by the installer to work with and report several other functions. With 16 reporting zones, it can work with and report individual emergency alarms for up to 16 users. It can be

configured to provide delayed alarm functions. It can be configured to send a silent alarm condition. It can even be configured to act as a speakerphone. Contact ID and 4 x 2 communicator reporting formats are standard. Two-way voice is an

easy plug-in option. The Linear PERS-2400B and its system accessories are UL listed as Home Health-care signaling equipment per UL Standard 1637. Provisions have also been made in the system for the interconnection of a Linear PD-2 voice dialer (Not UL listed). The dialer can be used to supplement the digital communicator or for systems that do not need central station connection.

The uniquely-styled, ultra-compact console is distinguished by ease of operation for the user and ease of installation and programming for the installer. A large, centrally located EMERGENCY button makes it convenient to initiate a manual alarm. For visually impaired users, controls are identified by Braille characters. In addition to EMERGENCY, these controls include a CLEAR switch, which cancels any alarm or resets the system following

completion of an alarm sequence, and a HOME switch, which resets the activity reporting timer (or disables the function when it is not required). Front panel indicators are provided for POWER, TROUBLE, SENDING, and HOME.

The PERS-2400B has 16 radio channels for use with a variety of Linear DX and DXS transmitters, including pendants, keyrings, handhelds, wristbands,

especially specially configured door/windows, PIRs, and smoke detectors. Both formats feature over 1,000,000 ID codes. When DXS models are used with the console, the PERS-2400B can



Reliable, efficient emergency reporting for single or multiple users.





be configured to provide full RF supervision. Transmitters send ALARM, STATUS, and LOW BATTERY.

The console is designed for tabletop use or wall mounting. Easy access is provided for installing the back-up battery, as well as the optional two-way voice module. The radio antennas are not visible when the PERS-2400B is completely assembled and installed. Two phone jacks are provided: one for connection to the household phone system; the other for connecting a telephone (this jack automatically disconnects the telephone when an alarm occurs at the console).







System programming can be done using RA2400 Windows-based remote access software. All transmitters are quick-learned by the console.



Available Models and Accessories

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 activated, 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 Transmitters

MODEL	PRODUCT NUMBER	DESCRIPTION	
SUPERVISED PORTABLE TRANSMITTERS			
DXS-21	SST00094	Supervised 2-Button, 1-Channel Handheld Transmitter 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	Supervised 3-Button, 4-Channel Handheld Transmitter 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	SST00090A	Supervised 1-Button, 1-Channel Waterproof Wristband/Pendant Transmitter 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. Pendant style water-resistant transmitter designed for use in emergency applications, includes breakaway nylon necklace, 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 breakaway nylon necklace, visual activation indicator	
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	
SUPERVISED STATIONARY TRANSMITTERS			
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	

Specifications

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 in W 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

Specifications subject to change without notice.



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