

Linear SECURITY[®]

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



Fire, 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-2400, 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 individual emergency alarms for up to 16 users. Contact ID and 4 x 2 communicator reporting is standard. Two-way voice is an easy plug-in option.

The Linear PERS-2400 and its system accessories are UL listed as Home Healthcare 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 require 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-2400 has 16 radio channels for use with 11 different Linear DX and DXS transmitters, including pendants, keyrings, handhelds, wristbands, door/windows, PIRs, and smokes. Both formats feature over 1,000,000 ID codes. When DXS models are used, PERS-2400 provides full RF supervision,

sending ALARM, STATUS, LOW BATTERY, and where applicable, RESTORE. Transmission range is excellent: in excess of 400 feet line-of-sight with stationary DXS transmitters; over 200 feet



**Reliable, efficient
emergency reporting for
single or multiple users.**

with portables. Inside the PERS-2400 is a dual diversity, superheterodyne receiver.

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-2400 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

MODEL	PRODUCT NUMBER	DESCRIPTION
PERS-2400	SSC00048	315 MHz 16-Channel Emergency Console
VB-4	AAE00419	Voice Board with 2-Way Voice with Voice Prompts
PD-2	AAE00418	Pro Dialer, 2-Channel

Compatible Transmitters

Supervised Portable Transmitters

MODEL	PRODUCT NUMBER	DESCRIPTION
DXS-21	SST00094	Supervised 2-Button, 1-Channel Handheld Transmitter
DXS-23	SST00095	Supervised 3-Button, 4-Channel Handheld Transmitter
DXS-62	SST00090	Supervised 1-Button, 1-Channel Waterproof Wristband/Pendant Transmitter
DXS-63	SST00091	Supervised 2-Button, 1-Channel Waterproof Wristband/Pendant Transmitter

Supervised Stationary Transmitters

MODEL	PRODUCT NUMBER	DESCRIPTION
DXS-31	SST00073	Supervised Door/Window Transmitter (for emergency and inactivity reporting)
DXS-54	SST00074	Supervised Passive Infrared Motion Detector (for inactivity reporting)
DXS-72	SST00076	Supervised Photoelectric Smoke Detector

Non-Supervised Portable Transmitters

MODEL	PRODUCT NUMBER	DESCRIPTION
DXT-41	SNT00381	1-Button, 1-Channel Mini/Keyring Transmitter
DXT-42	SNT00382	2-Button, 3-Channel Mini/Keyring Transmitter
DXT-61A	SNT00380A	1-Button, 1-Channel Pendant Transmitter



Specifications

RADIO

Transmitter Capacity: 16 DX or DXS devices

Operating Frequency: 315 MHz

RF Format: Linear DX, DXS

Receiver Type: diversity, dual superheterodyne

RF Programming Method: Linear quick-learn

COMMUNICATIONS

Communicator Formats: Contact ID and 4 x 2

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 restore
- f. Console low battery
- g. Console emergency alarm

CONSOLE

Controls:

- a. **EMERGENCY:** large round button with multiple actuation points
- b. **CLEAR:** momentary for system reset, call cancellation
- c. **HOME:** momentary to reset timer or press and hold for 3 seconds to disable the function

Indicators: four LEDs (POWER ON, TROUBLE, SENDING, HOME)

Inputs:

- a. In and out telephone jacks
- b. Connection jack for PD-2 dialer

Outputs: one form "C" relay output activated upon initiation of any alarm condition

Programming Method: via remote access software

Console Report Codes:

- a. All transmitter alarms
- b. All transmitter troubles
- c. All console troubles
- d. All inactivity reports
- e. Manual emergency activation

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

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)

Accessories:

- a. Optional VB-4 two-way voice, voice prompt board
- b. Optional PD-2 voice dialer

Note: The optional PD-2 voice dialer is not UL listed and is not intended to be used in a UL listed PERS system

Listing: UL per Standard 1637, Home Healthcare Signaling Equipment

Specifications subject to change without notice.



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