PERS-2400B

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-2400B Console is a UL Listed supervised wireless emergency reporting product designed for personal emergency applications. The table-top or wall-mount 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 receives 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 EMERGENCY button on the face of the Console or with a wireless transmitter. The fire alarm can be triggered by wireless smoke alarms.

Activity Timer

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 an activity transmitter is triggered or the Console’s HOME button is pressed.

Voice Prompts

If the optional Model VB-4B voice board is installed, the Console will “talk” to the user. The digitized voice, will sound “emergency”, “fire”, “CO Alarm”, “timer done soon”, and other system operation, setup, and supervisory prompts from a 38 word vocabulary.

Audio Communications

The Model VB-4B voice board supports 2-way automatic, 2-way manual, and 1-way listen-only audio communications with central station monitoring personnel using the Console’s built-in high-sensitivity microphone and speaker.

Built-In Speakerphone

The Console can be programmed to act as a remote controlled “speakerphone”. With the speakerphone mode enabled (Model VB-4B voice board required) 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).

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 TROUBLE indicator flashes. If the Console fails to receive a status report from a transmitter for a period of 24 hours, the TROUBLE indicator will light. All supervisory conditions can sound a local annunciation and be reported to the central station.

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 may be selected for the communicator reporting format.

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 and supervised by the Console. 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 sounds a two-tone siren and an emergency report is sent to the central station. The emergency alarm can also be triggered by pressing the Console’s EMERGENCY button.

**Fire**
The Model DXS-73 wireless photoelectric smoke alarms trigger the fire alarm. When the fire alarm is activated, the Console sounds a repeated series of three beeps 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 a low pitched beep will sound every ten seconds.

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 cause the Console to sound the two-tone emergency siren 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.

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**PERS-2400B Compatible Transmitters**

- **Emergency Transmitters**
  - DXS-LRP
  - DXS-LRP-BK
  - DXS-LRC
  - DXS-LRW
  - DXS-65
  - DXS-31

- **Activity Transmitters**
  - DXS-31
  - DXS-32
  - DXS-54

- **Smoke**
  - DXS-73

- **Carbon Monoxide**
  - DXS-80

Up to 16 transmitters total can be used with each Console.
3. Front Panel Features

**TROUBLE INDICATOR**
- Normally Off
- Lights when any transmitters are missing (Supervisory)
- Blinks slowly when any transmitters have a low battery

**POWER INDICATOR**
- Lights when AC is present
- Blinks slowly when battery is charging
- Blinks quickly when AC is absent (Console on battery power)
- Off in test and setup modes

**EMERGENCY BUTTON**
- Press and hold to trigger the emergency zone
- Press during ring for speakerphone mode
- Press during speakerphone mode to disconnect

**CLEAR 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

**HOME BUTTON**
- Press to reset activity timer
- Press for 5 seconds to turn activity timer off
- If activity timer is off, press for 5 seconds to turn activity timer on

**HOME INDICATOR**
- Lights when activity timer is on
- Blinks slowly when less than 15 minutes remain on the activity timer
- Blinks quickly when the activity timer has expired

**SENDING INDICATOR**
- Normally off
- Flashes when console is placing a call

**HOME BUTTON COVER**
- Adhesive backed plate to hide the home button if the activity timer is not used

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5. Console Bottom Features

- 16 VAC 1.25 AMP plug-in transformer
- 12-VOLT 1.2 AMP/HOUR backup battery
- External speaker, relay output, and dialer power terminals
- 1 AMP 2AG battery fuse (hidden)
- Local phone jack
- Telephone line jack
- Power switch
- Test button
- Optional VB-4B Voice Board

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6. Optional VB-4B Voice Board Installation

1. Connect black microphone wire to center terminal
2. Press-fit microphone into round mounting hole
3. Connect red microphone wire to this terminal
4. Seat microphone
5. Carefully align pins to connectors on both ends of board
6. Be sure that the white arrows on audio board point toward the battery area
7. Press board completely into connectors

**NOTE:** After the audio board is installed and enabled, the console will speak instead of beep during programming.

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4. Removing Bottom Cover

To access the inside of the console, press the two locking tabs in and remove the console's bottom cover.

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7. Optional Relay Output Connections

FORM "A" DRY CONTACT RELAY
24 VOLTS AT 1 AMP MAXIMUM

- RELAY COMMON
- RELAY NORMALLY OPEN
- RELAY COMMON

CONSOLE TERMINAL BLOCK

CONNECT WIRES TO TERMINALS

ROUTE CABLE UNDER STRAIN-RELIEF CLAMP

NOISEMAKER OR VISUAL INDICATOR
EXTERNAL POWER SUPPLY

8. Optional Remote Speaker/Mic Connections

VB-4B TERMINAL BLOCK
- EXTERNAL MICROPHONE (+)
- MICROPHONE COMMON (-)
- CONSOLE MICROPHONE (+)

CONSOLE TERMINAL BLOCK
- DIALER POWER
- RELAY NORMALLY OPEN
- RELAY COMMON
- DIALER COMMON
- EXTERNAL SPEAKER

NOTE: REMOVE JUMPER WHEN USING AN EXTERNAL SPKR
NOTE: NOT TESTED BY UL

VB-4B VOICE BOARD

REMOVE JUMPER WIRE

EXTERNAL SPEAKER
EXTERNAL SPEAKER
EXTERNAL MICROPHONE (+)
MICROPHONE COMMON (-)
CONSOLE MICROPHONE (+)

RS-1 TERMINALS
LINEAR MODEL RSM-1

9. Backup Battery

1. TURN POWER SWITCH OFF
2. CONNECT RED LEAD TO POSITIVE AND BLACK LEAD TO NEGATIVE BATTERY TERMINAL
3. FIT BATTERY INTO CONSOLE

BATTERY TYPE: 12-VOLT, 1.2 AMP/HOUR

10. Install Transformer

1. PLUG TRANSFORMER INTO AN UN-SWITCHED 117 VAC OUTLET
2. SECURE TRANSFORMER WITH SCREW

EXTERNAL MICROPHONE (+)
MICROPHONE COMMON (-)
CONSOLE MICROPHONE (+)

SPKR
SPKR
MIC (-)
MIC (+)

NOTE: REMOVE JUMPER WHEN USING AN EXTERNAL SPKR
NOTE: NOT TESTED BY UL
11. Apply Power - Select Dialing Method

**TURN POWER SWITCH ON**

**NOTE:** THE DEFAULT DIALING METHOD IS TONE DIALING

If required, change the dialing method by pressing and holding the home & clear buttons while switching the power on.

- 7 beeps sound for pulse dialing
- 8 beeps sound for tone dialing

12. 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.

13. Installing Single Transmitters

**ADDS ONE TRANSMITTER AT A TIME**

1. Press clear button for 5 seconds
   - 5 beeps sound (TX add mode)

2. Activate transmitter
   - 1 beep sounds (tx added)
   - Console reverts to operate mode

**NOTE:** If the console’s memory is full, one long beep sounds when trying to add a transmitter.

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

**NOTE:** Press clear before transmitting to return to operate mode without entering a transmitter

- 2 beeps sound with activity timer enabled
- 3 beeps sound with activity timer disabled

The console will return to operate mode automatically after 30 seconds.

**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.

14. Installing Multiple Transmitters

**ADDS MULTIPLE TRANSMITTERS**

1. Press test button
   - 4 beeps sound (test mode)

2. Press test button again
   - 5 beeps sound (add tx mode)

**NOTE:** Each time the test button is pressed in the add tx mode, the console will be ready to install a transmitter in the next available sensor zone location. If the vb-4b voice board is installed, the console will announce the sensor zone location number.

3. Activate transmitter
   - 1 beep sounds
     - (tx added)

**NOTE:** If the console’s memory is full, one long beep sounds when trying to add a transmitter.

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

5. Press clear to return to operate mode

- 2 beeps sound with activity timer enabled
- 3 beeps sound with activity timer disabled

The console will return to operate mode 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.
15. Testing Transmitters

1. PRESS TEST BUTTON
   • 4 BEEPS SOUND (TEST MODE)

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

3. COUNT THE NUMBER OF BEEPS THAT THE CONSOLE SOUNDS WHEN THE TRANSMITTER IS ACTIVATED
   1-BEEP = TX OK
   2-BEEPS = TX HAD ALARM
   3-BEEPS = TX MISSED STATUS
   4-BEEPS = TX HAS LOW BATTERY

NOTE: WITH THE MODEL VB-4 VOICE BOARD INSTALLED, THE CONSOLE WILL ANNOUNCE THE TRANSMITTER STATUS

4. PRESS CLEAR TO RETURN TO OPERATE MODE
   • 2 BEEPS SOUND WITH ACTIVITY TIMER ENABLED
   • 3 BEEPS SOUND WITH ACTIVITY TIMER DISABLED

THE CONSOLE WILL RETURN TO OPERATE MODE AUTOMATICALLY AFTER 3 MINUTES

16. Erasing Transmitters

CAUTION: ALL TRANSMITTERS WILL BE ERASED!

1. PRESS AND HOLD TEST BUTTON FOR 5 SECONDS
   • 6 BEEPS SOUND (ALL TRANSMITTERS WERE ERASED)

2. PRESS CLEAR TO RETURN TO OPERATE MODE
   • 2 BEEPS SOUND WITH ACTIVITY TIMER ENABLED
   • 3 BEEPS SOUND WITH ACTIVITY TIMER DISABLED

THE CONSOLE WILL RETURN TO OPERATE MODE AUTOMATICALLY AFTER 3 MINUTES

17. Local Programming with RA-2400

1. PERFORM THE STEPS DETAILED IN THE RA-2400/PERS-2400 REFERENCE GUIDE (P/N 217163) 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 TEST BUTTON MOMENTARILY
   • 4 BEEPS SOUND (TEST MODE)

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

4. WHEN RA-2400 CONNECTION TIMER STARTS COUNTING DOWN, PRESS THE EMERGENCY BUTTON
   • 4 BEEPS SOUND (RA-2400 ANSWER)

5. PERFORM PROGRAMMING IN THE RA-2400 SOFTWARE, THEN DISCONNECT FROM THE CONSOLE

18. Telephone Connections

- LOCAL TELEPHONE
- TELEPHONE JACK
- CONSOLE WITH REAR COVER INSTALLED
- ROUTE CABLES UNDER STRAIN-RELIEF TABS
- CONNECT LOCAL TELEPHONE TO THIS JACK
- CONNECT TELEPHONE LINE TO THIS JACK
19. System Operation

- IN CASE OF EMERGENCY -

PRESS AND MOMENTARILY HOLD EMERGENCY BUTTON

- OR -
ACTIVATE EMERGENCY TRANSMITTER

PRESS TRANSMITTER BUTTON FOR AT LEAST 2 SECONDS

SENDING LIGHT FLASHERS DURING COMMUNICATION

- CONSOLE STANDING BY

POWER LIGHT IS ON
OTHER LIGHTS ARE OFF

- CONSOLE IN ALARM

SIREN SOUNDS UNTIL CLEAR BUTTON IS PRESSED,
CENTRAL STATION REPORT IS COMPLETE, OR SIREN TIME EXPIRES

PRESS CLEAR TO STOP SIREN (ADDS CANCEL TO ALARM REPORT IN PROGRESS)

20. Activity Timer

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 6, 12, OR 24 HOURS, OR DISABLED BY 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 & A SHORT BEEP SOUNDS 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

21. Audio Board Operation

1. PROGRAM THE CONSOLE FOR THE DESIRED AUDIO MODE:
   • LISTEN-ONLY
   • 2-WAY MANUAL
   • 2-WAY FULL DUPLEX

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

3. CENTRAL STATION OPERATOR:
   USE THESE KEYS ON A TELEPHONE SET CONNECTED TO THE CENTRAL STATION LINE TO CONTROL THE AUDIO MODULE
   • 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 FULL DUPLEX MODE. THE MODULE WILL SWITCH TO 2-WAY MANUAL MODE. PRESSING "8" RESTORES FULL DUPLEX MODE.
   PRESSING ANY KEY OTHER THAN "9" WILL EXTEND THE AUDIO TIME 90 MORE SECONDS

NOTE: TO USE THE AUDIO MODES, THE MODEL VB-4B AUDIO MODULE MUST BE INSTALLED IN THE CONSOLE

22. 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.
WHILE THE TELEPHONE IS RINGING, ACTIVATING AN EMERGENCY TRANSMITTER OR PRESSING THE EMERGENCY BUTTON WILL SEIZE THE TELEPHONE LINE

2. PROGRAM THE CONSOLE TO ENABLE SPEAKERPHONE MODE
NOTE: TO REPORT AN EMERGENCY WHILE THE SPEAKERPHONE MODE IS ACTIVE
NOTE: TO REPORT AN EMERGENCY WHEN THE SPEAKERPHONE IS IN USE, PRESS EITHER THE EMERGENCY 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.

3. THE AUDIO BOARD WILL BEGIN 2-WAY FULL DUPLEX MODE FOR AUDIO COMMUNICATIONS
WARNING: THE CONSOLE WILL NOT BE ABLE TO REPORT AN EMERGENCY WHILE THE SPEAKERPHONE MODE IS ACTIVE

4. THE AUDIO BOARD WILL END AUDIO COMMUNICATIONS WHEN EITHER:
   • THE EMERGENCY BUTTON IS PRESSED
   • ANY EMERGENCY TRANSMITTER IS ACTIVATED
   • THE AUTO-DISCONNECT TIMER RUNS OUT

NOTE: TO USE THE SPEAKERPHONE MODE, THE MODEL VB-4B AUDIO MODULE MUST BE INSTALLED IN THE CONSOLE
23. Supervisory Conditions

TRANSMITTER LOW BATTERY TROUBLE
WHEN A TRANSMITTER SENDS A LOW BATTERY SIGNAL THE
CONSOLE’S TROUBLE INDICATOR WILL BLINK SLOWLY.

TRANSMITTER SUPERVISORY TROUBLE
IF A TRANSMITTER PROGRAMMED AS SUPERVISED FAILS
TO REPORT STATUS IN A 24 HOUR PERIOD, THE CONSOLE’S
TROUBLE INDICATOR WILL LIGHT.

CONSOLE BACKUP BATTERY TROUBLE
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.

THE CONSOLE WILL REPORT TROUBLE AND OR 30-DAY STATUS
TO THE CENTRAL STATION IF ENABLED IN THE COMMUNICATOR
PROGRAMMING

CLEARING TROUBLE INDICATIONS
PRESS THE CLEAR BUTTON TO STOP TROUBLE
INDICATORS AND SOUNDERS

NOTE: THE TROUBLE CONDITION WILL LIKELY OCCUR AGAIN
UNTIL THE PROBLEM IS FIXED

24. Wireless Installation Tips

WALLBOARD AND WOOD STUDS
CONSTRUCTION MATERIALS WILL AFFECT RADIO RANGE

CONSOLE LOCATION WILL AFFECT RADIO RANGE

CONCRETE WITH STEEL REINFORCEMENT OR
METAL LATH AND PLASTER

CENTRALLY LOCATE CONSOLE

TRANSMITTERS AT THE OTHER END OF THE HOUSE
MIGHT BE TOO FAR AWAY

WRONG!

25. Specifications

CODING FORMATS
DX CODE 24-BIT A10 PPM 1,048,576 CODES
DXS CODE 24-BIT A10 PPM 1,048,576 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 80 mA
ALARM OPERATING CURRENT 120 mA
BACKUP OPERATION DURATION 32 HOURS MINIMUM
BATTERY LIFE EXPECTED 3 YEARS
BACKUP SUPPLY OPERATING CURRENT 32 mA

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
UL LISTED FOR 150’

COMMUNICATOR
COMMUNICATOR FORMATS 4 BY 2 (GENERAL OR POINT-TO-POINT),
ADEMCO CONTACT ID
UL TESTED WITH SURGARD SGMLRG-DG
CENTRAL STATION RECEIVER
DIALING TONE OR PULSE
DIALING DELAY 0 OR 15 SECONDS
REMOTE ACCESS PASSWORD 6 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°-100° F (0-50° C)
EMERGENCY ALARM DURATION 1-30 MINUTES
ACTIVITY TIMER PERIOD 8, 12, OR 24 HOURS
AUDIO LISTEN ONLY 2-WAY MANUAL,
2-WAY DUPLEX, SPEAK-ONE
RELAY OUTPUT N.O. @ 24 VOLT AC/DC 1 AMP
MAXIMUM, NEC CLASS II CIRCUITRY

26. 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.

Le présent appareil est 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.