

PERS Feature Review

Since the introduction of Linear's popular PERS-2400 and PERS-3600 Personal Emergency Reporting System (PERS) Consoles, there have been several feature improvements incorporated into these systems. This bulletin reviews the major system improvements and details some typical use scenarios that the installing PERS provider may find informative.

The table below describes the system features that have been enhanced and the model of the Console that supports the feature. The reverse side of this bulletin contains an expanded discussion of the Activity Timer operation and special use case scenarios.

Please refer to the PERS-2400B and PERS-3600B manuals for complete system installation and operation instructions. The manuals are available on-line at:

www.linearcorp.com/pdf/manuals/PERS-2400B.pdf
www.linearcorp.com/pdf/manuals/PERS-3600B.pdf



PERS-2400B and PERS-3600B
Consoles

FEATURE	DESCRIPTION	PERS-2400A	PERS-2400B	PERS-3600	PERS-3600B
Activity Timer drift prevention	When the subscriber resets the activity timer (within the 15 minute timeout window), the Console maintains the original activity timer trigger time instead of adjusting to begin at the time the reset occurred. (See extended description on the reverse side of this bulletin.)	NO	YES	NO	YES
Non-acknowledged Reminder Message reporting	If the Activity Timer is turned off (for periods when the subscriber will be away from the premises) the reporting of non-acknowledged Reminder Messages is also turned off.	N/A	N/A	NO	YES
CO gas reporting code for CO sensors	Console communicator will report the sensor number and CO gas code CID E151 instead of the sensor number and a generic emergency code.	NO	YES	NO	YES
Daylight Saving Time adjustment on new schedule	Console's internal clock adjusts to daylight saving time starting on 2nd Sunday in March, and ending on 1st Sunday in November.	N/A	N/A	NO	YES
Daily supervisory status alerts	Supervisory status alerts (transmitter low battery, transmitter supervisory, and Console low battery) are reported every 24 hours until the condition has been cleared, regardless if the Console has been reset.	NO	NO	NO	YES

All these brands are now under one name.



Extended Description of Activity Timer Implementation

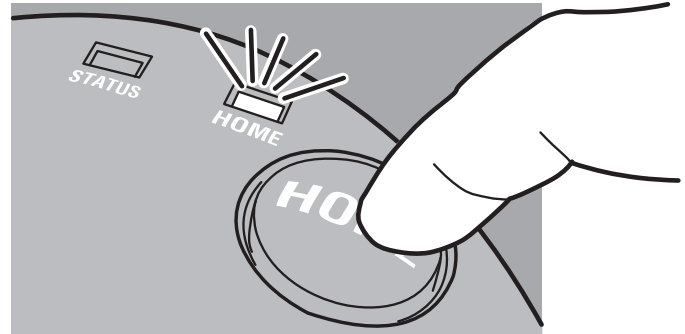
During normal operation with the Activity Timer programmed for 24-hour operation, the Console will start beeping 23 hours and 45 minutes after the timer is set to warn the subscriber that the timer is about to expire. The subscriber must push the Console's HOME button sometime before the 24th hour, or an inactivity report will be sent to the Central Station.

With the **PERS-2400A and PERS-3600 version Consoles**, the 24-hour Activity Timer restarts the moment the HOME button is pressed. For example, if the HOME button is pressed 10 minutes before the timer expires, the next day the Console would start the Activity Timer warning beeps 10 minutes earlier than the day before. Over time, the Activity Timer would "creep", possibly resulting in confusion for the subscriber due to the moving reset time.

With the **PERS-2400B and PERS-3600B version Consoles**, if the HOME button is pressed anytime during the 15 minute period while the Console is sounding the Activity Timer warning beeps, the timer is reset and restarts at the prior programmed time. This enables the subscriber to maintain a regular time each day to reset the Activity Timer.

With all versions of the Consoles, if the HOME button is pressed outside of the 15 minute Activity Timer warning period, the Console will reset the start time of the Activity Timer to the time that the HOME button was pressed. Only the PERS-3600B contains a real-time clock and can be programmed for a fixed Activity Timer start time.

The Activity Timer can also be reset with wireless transmitters. Motion detectors, matt switches, and magnetic contacts can be used to detect subscriber activity and "automatically" reset the Console without the subscriber's direct action. The Console will react to a wireless reset of the Activity Timer the same as if the HOME button is pressed. Consider the previous Activity Timer reset scenarios to determine how a particular version of Console will react to a wireless Activity Timer reset.



Special Use Case Considerations

Some PERS providers have discovered an innovative way to use the Activity Timer similar to a daily reminder or alarm clock. With the Activity Timer programmed for 24-hour operation, the PERS provider instructs the subscriber to wait until they hear the Activity Timer warning beeps before pressing the HOME button. This allows the Console Activity Timer to be used as a reminder alarm instead of an inactivity alarm. The PERS provider's Central Station will also need to be aware if the Console is being used in this fashion.

Most PERS providers, if using the PERS Activity Timer feature for their subscribers, will set the timer for 24 hours. The subscriber is instructed to press the Console's HOME button at night when they go to bed, and again first thing in the morning when they get up. With this subscriber use pattern, the Activity Timer gets reset far before the timer expires. Resetting the Activity Timer with an activity detecting wireless transmitter will also deliver the same results.

