

LED Indications

Steady GREEN while button down	Good battery
Steady RED while button down	Low battery
Flashing GREEN after button release	Battery supervision ON; good battery
Flashing RED after button release	Battery supervision ON, low battery

Specifications

Wireless Signal Range (for Regulatory test)	500 ft. (150m) line-of-site with PERS-4200 Console
Code Outputs	Alarm; Supervisory; Low Battery
Transmitter Frequency	315.00 MHz (crystal controlled)
Unique ID Codes	Over one million different code combinations
Supervisory Interval	2 Hours (+/- 20%)
LED Indications	GREEN: Good Battery RED: Low Battery (indicates the unit must be replaced)
Pendant Dimensions (W x H x D)	1.18 x 2 x 0.5 in (3.0 x 5.0 x 1.2 cm)
Housing Material	ABS Plastic
Color	White
Operating Temperature	32° to 122° F (0° to 50° C)
Water Resistance	To IPx7 rating at depth of 1M for 30 minutes
Battery	CR 2450 (not replaceable)
Regulatory Listings	UL, FCC, IC



Regulatory Information

FCC Notice

This device complies with Part 15 of the FCC's Rules. 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. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

✓ **NOTE:** Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

Industry Canada (IC) Compliance

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

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.

This Class B digital apparatus complies with Canadian ICES-003. Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Limited Warranty

This Nortek Security & Control product is warranted against defects in material and workmanship for two (2) years. **This warranty extends only to wholesale customers** who buy direct from Nortek Security & Control LLC or through Nortek Security & Control LLC's normal distribution channels. **Nortek Security & Control LLC 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 Nortek Security & Control 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 for functionality, are valid only until the warranty expires. **This Nortek Security & Control LLC Warranty is in lieu of all other warranties express or implied.**

All products returned for warranty service require a Return Authorization Number (RA#). Contact Returns at 1-855-546-3351 for an RA# and other important details.

NORTEK
SECURITY & CONTROL
USA & Canada (800) 421-1587 & (800) 392-0123
(760) 438-7000 - Toll Free FAX (800) 468-1340
www.nortekcontrol.com

DXS-F1 PERSONAL HELP BUTTON-FALL DETECTOR PENDANT

Linear[®]

OPERATION INSTRUCTIONS

The Personal Help Button—Fall Detector Pendant (DXS-F1) ("the Pendant") is a battery-powered pendant style transmitter, designed for use with the provided companion consoles (the "Console") (the Pendant and Console are referred to as the "System").

Through the use of an accelerometer, the Pendant works to detect movement and body positioning consistent with a fall, and to signal the Console when a fall is detected. If a fall is detected, the Console will contact your monitoring service provider. In addition, you can use the Pendant to manually initiate a call for help by pressing the Pendant's Help Button.

The Pendant is small, lightweight, and water-resistant, and is supplied with an adjustable breakaway release lanyard intended for safe and comfortable wear.

This Pendant is compatible with PERS-2400B and PERS-4200 Consoles operating at 315 MHz. For further information regarding testing recommendations, safety precautions, use, and operation of the Pendant and the Console, consult the more detailed instructions included with the Console and also found in the literature section of the following link:

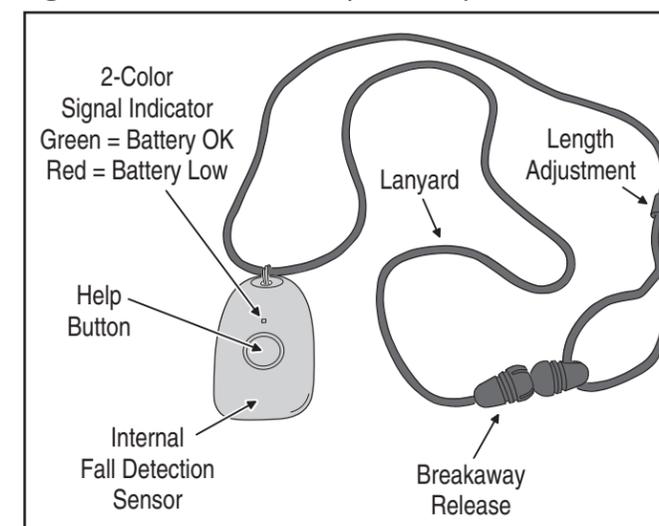
www.nortekcontrol.com/manual_list1.php.

Box Contents

Verify that the package includes the following:

- ✓ 1 — Personal Help Button—Fall Detector Pendant
- ✓ 1 — Adjustable Lanyard with Breakaway Release

Figure 1. Pendant and Lanyard Components



Operation

Initial Activation of Pendant & General Use

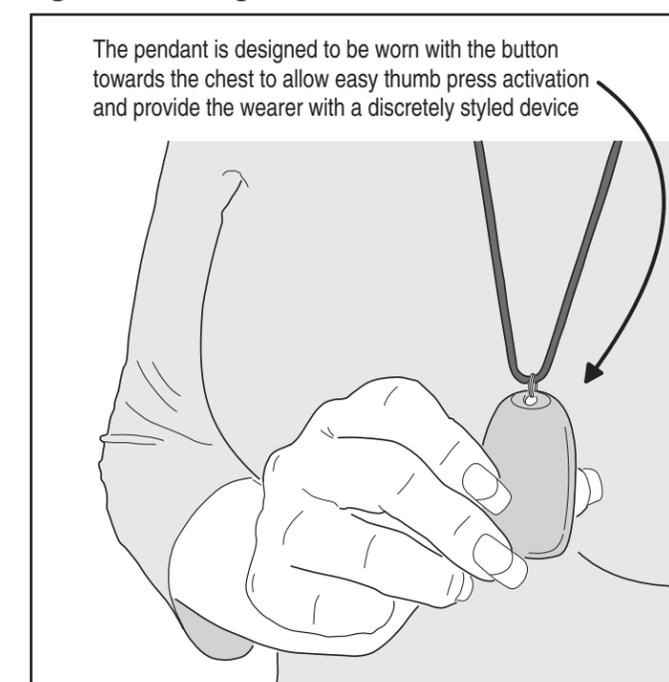
When your Pendant arrives, you must immediately call the monitoring service provider that provided the Pendant to you and ask them to confirm that the Pendant has been programmed and is properly transmitting.

The Pendant also comes with a Battery Supervisor Feature, aimed to identify Systems that are not functioning, either because the battery has died, or because the Console connection was lost. To turn the Battery Supervisor Feature ON, **you must press the Help Button and hold it down for 2 seconds.** When you release the Help Button, its LED indicator flashes GREEN to indicate that the Battery Supervisor Feature is working and the Pendant is active.

Pressing the button should also initiate a two-way voice communication through the Console with your monitoring services provider. If the two-way voice communication is not initiated when you press the button, you should call your monitoring service provider immediately to report the problem.

Once activated, the Pendant should be worn daily and tested weekly, as further explained in the following Important Safety and Battery Instructions section.

Figure 2. Wearing the Pendant



Initial Activation of Pendant & General Use (cont.)

You must be within range of the Console in order for the Pendant to communicate with the Console and summon help when a fall is detected, or help is otherwise manually summoned, or to communicate that the Pendant battery is low.

The operating range of the Pendant is limited. The exact range of a System depends on the type of Console and other variables, such as the local radio frequency environment. Depending on these factors, range is expected to be approximately 400 to 1,000 feet line of sight. Range can be reduced by walls and other barriers. You can ensure that you are in range at any time by pressing the button to test the system. Please refer to the instructions included with your Console and also found in the literature section of the following link for more information regarding the range of your System:

www.nortekcontrol.com/manual_list1.php.

The Pendant is designed to be water-resistant, not waterproof. Do not submerge the Pendant in water or wear it in the shower.

Only the provided breakaway release lanyard should be used; no other lanyard is approved for use with the Pendant.

The Pendant is sealed and the battery contained therein is not replaceable. When the battery in the Pendant is low, the LED indicator on the Pendant will display RED, and it is designed to send a signal to the Console, which will communicate to your monitoring service provider that your battery is low. Your monitoring service provider should then contact you to coordinate delivery of a replacement Pendant. **As a precautionary measure, in order to ensure that the battery does not deplete before you receive a replacement Pendant, if you see that the light on your Pendant is RED, you should contact your monitoring service provider to arrange for a replacement pendant as soon as possible – do not wait for the monitoring service provider to contact you.**

Fall Detection

When the Pendant detects a potential fall, it is designed to automatically send a signal to the Console. If the user does not manually cancel the signal as outlined below, the Console will send an “Emergency” report to your monitoring service provider. The System will provide a siren and spoken voice prompts to alert the user that the “Emergency” call is being placed.

Although the fall detection System performs well, no such System is 100% accurate and the Pendant may not detect certain falls. Therefore, if you fall or require assistance at any time for any reason, always manually push the Help Button and do not wait for the System to automatically place the call. To ensure sending a complete signal, press the Pendant’s Help Button for a minimum of 2 seconds. See below for further instructions on manual activation.

The Pendant is designed to allow users to move through most routine movements without triggering a fall event and without sending a false emergency report to the monitoring service provider. The Pendant is not designed, however, to be used while exercising. Vigorous movements such as jumping, or movements that cause the Pendant to swing and stop abruptly, may trigger the fall detector to send an emergency report. Users should talk with their caregivers and monitoring service provider about the most effective use of the System for their individual activities.

Manual Activation

The Pendant can also be manually activated by pressing the Help Button when help is needed. **To ensure sending a complete signal, press the Pendant’s Help Button for a minimum of 2 seconds.** The System will provide a siren and spoken voice prompts to alert the user that the “Emergency” call is being placed.

Canceling an Emergency Report

Some routine activities that are not fall events may falsely trigger the fall detector to send an “Emergency” report. Or similarly, you may fall but may be able to get up, and not require emergency assistance. In either case, you can cancel the emergency report by either confirming during the two-way voice verification with the monitoring service provider that you do not need assistance, or otherwise contacting the monitoring service provider to cancel the emergency.

Important Safety and Battery Instructions

Test this System weekly: If the Pendant battery is depleted, or the Console is not connected, the System will not be able to detect a fall or communicate the need for assistance. We strongly recommend that you test this equipment at least weekly to ensure the System is working properly. To test the System, press the Help Button on your Pendant and make sure that you get a verbal response from your monitoring service provider over the two-way voice verification. If you do not get a verbal response, call your monitoring service provider to report the problem and arrange for service. For further information on testing and the operation of the System, consult the more detailed instructions contained in the literature section of the following link:

www.nortekcontrol.com/manual_list1.php.

Also see information above regarding Battery Supervisor Feature. Note that use of this feature is NOT a substitute for weekly testing of the Pendant.

The operating range of the Pendant is limited. In order for the Pendant’s low battery signal to be communicated to the Console and the monitoring service provider, it must be within range. If the Pendant is out of range for an extended period of time, it is possible that the Pendant battery could die without being able to effectively communicate a low battery signal to the Console and your monitoring service provider. Therefore, you should not take the Pendant out of range.

⚠ WARNING ⚠

The Pendant may be worn around the neck on an adjustable lanyard. **IF YOU WEAR THE LANYARD AROUND YOUR NECK AND IT BECOMES ACCIDENTALLY ENTANGLED, AS WITH ANY CORD WORN AROUND THE NECK, IT MAY PRESENT A CHOKING OR STRANGULATION HAZARD THAT COULD RESULT IN SERIOUS INJURY OR DEATH. FOR THIS REASON, USE ONLY THE PROVIDED BREAKAWAY LANYARD. TO REDUCE RISK OF STRANGULATION, THE PROVIDED LANYARD IS DESIGNED TO BREAK APART UNDER CERTAIN CONDITIONS. MODIFIED, OR OTHER LANYARDS, ARE NOT TO BE USED.** These risks apply especially to subscribers who may use wheelchairs, walkers, beds with guard rails, or similar objects such as door knobs with protrusions on which a lanyard could become entangled. Users and caregivers should exercise care with the lanyard to ensure it does not get caught or tangled in some such equipment or other objects.

IMPORTANT: TO REDUCE THE RISK OF SEVERE INJURY OR DEATH TO PERSONS, REVIEW THIS SAFETY INFORMATION PRIOR TO USE.

- Emergency Reporting Systems such as this are not a replacement for regular contact with caregivers or access to an alternative means of placing an emergency call.
- To ensure the System is working properly, make sure to test it weekly.
- Do not take the Pendant out of range.
- While the fall detection System performs well, no such System is 100% reliable. If you experience a fall that causes actual or potential injury or other emergency, do not wait for the automatic call. You should **always** press the Help Button manually in an emergency or any time you need help.
- The Pendant is designed to be water-resistant, not waterproof. Do not submerge the Pendant in water or wear it in the shower. Usage other than as directed may result in the inability to place a call, automatically detect a fall, and/or properly locate you automatically during an emergency.
- Do not modify or dismantle the Pendant or Console at any time, as this could affect its functionality. The battery is not designed to be removed or replaced (see Battery Information above for more details). There is a risk of explosion if the battery is tampered with, replaced with an incorrect type, or manipulated in any way.