



AutoAlert Help Button for Senior Living

Instructions For Use
FD100SL

PHILIPS







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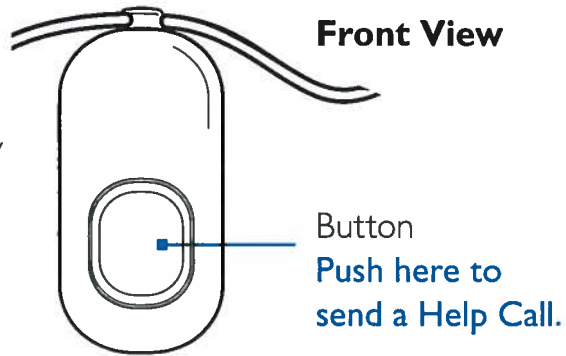
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Welcome!

This manual explains how your AutoAlert help button allows you to call for help at the press of a button. In addition, if the AutoAlert button detects a fall, it can automatically call for help. Before using your AutoAlert you should read and understand this manual, paying careful attention to the warnings below.

Warnings

WARNING indicates the potentially hazardous situation which, if these instructions are not followed, could result in possible injury, death, or other serious adverse reaction.



Always press your AutoAlert Button if you need help even if you fall.

The AutoAlert Help Button may not detect every fall

- Examples include, but are not limited to:
 - A gradual slide such as from a seated position
 - Lowering oneself slowing to the ground (to brace the impact of a fall)
 - A fall that is less than a vertical distance of 100 cm can also affect the ability of the device to detect a fall.

Always press your button if you need help.

- Certain conditions can affect the ability of the AutoAlert Help Button to detect a fall.
 - If you live at an altitude above 6,600 feet
 - If you are less than 4 feet 6 inches in height
 - If you weigh less than 88 pounds

The ability to send a help call by pressing the button is not affected.

Getting up from a fall will cancel the automatic Help Call

If the AutoAlert Help Button detects that you have gotten up within 30 seconds of a fall being detected, a Help Call will not be generated. Do not attempt to stand if you feel unable to. If you think you need assistance, press your Help Button immediately to initiate the Help Call.



Neck Cord Strangulation Risk

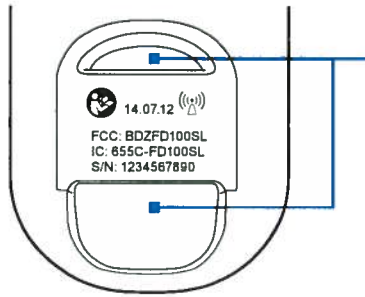
- One advantage of the AutoAlert Help Button being worn as a pendant is that the button is accessible by either of your hands. However, any cord worn around the neck can pose a strangulation risk, including the possibility of death and serious injuries. This may be of more concern to wearers in wheelchairs, using walkers, using beds with guard rails, or who might encounter other protruding objects upon which the cord can become tangled.
- The neck cord provided on the AutoAlert Help Button is designed to break apart under certain conditions to reduce the risk of strangulation. If the neck cord breaks ask for a replacement.
- Do not use any other neck cord than the one provided by Lifeline. Other neck cords may not provide the feature to break apart therefore increasing the risk of strangulation.

The AutoAlert Help Button will not work when outside the coverage range established on your campus.

- The AutoAlert Help Button is a radio frequency (RF) device that transmits a signal to the CarePoint system on your campus which sends a message to a staff member in your community who can respond. The CarePoint system may provide coverage within your campus, and this button can not summon assistance if you travel off the campus.
- The signal range may be affected by environmental factors, including building materials, large masses covering the AutoAlert Help Button (e.g., a person falling on top of it), and submersion in liquid.

CAUTION indicates the potential of device malfunction, device failure, damage of the device, or damage to other property. And, if these instructions are not followed, may result in minor or moderate injury.

Keeping the Vent Hole Clear of Obstructions



The vent located on the back of the AutoAlert Help Button is part of the fall detection sensor system and needs to remain clear of obstructions (e.g., lint or food products). A continuous flow of water (e.g., a shower) hitting the vent directly may also temporarily obstruct the vent. However, your AutoAlert Help Button is waterproof and should be worn at all times – even when bathing or showering.

AutoAlert Help Button is Waterproof

- Your AutoAlert Help Button is waterproof and should be worn at all times – even when bathing or showering.
- The AutoAlert Help Button has a water resistance rating of IPX7 which means that it can withstand being submerged up to a depth of 1 meter for 30 minutes.

Electromagnetic Interference

The AutoAlert Help Button may interfere with certain electrical equipment, such as magnetic resonance imaging (MRI) medical equipment. It may also interfere with aircraft communications, so do not take the AutoAlert Help Button aboard an airplane. You may pack the AutoAlert Help Button in checked luggage.



Servicing the Device

There are no user-serviceable parts inside the AutoAlert Help Button.
Do not attempt to open or modify the device.

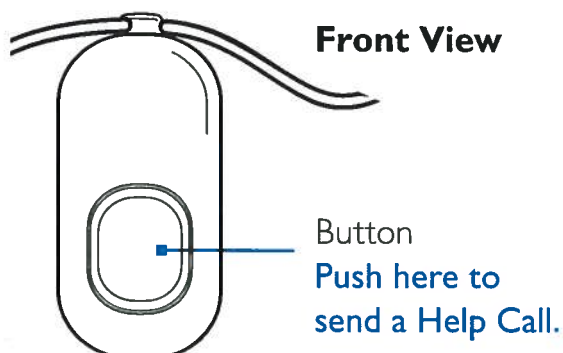
Device Battery

- The AutoAlert Help Button has a built-in lithium battery that provides a long service life without the need for replacement or recharging by the user. The user does not need to monitor the battery life as this is done automatically by the AutoAlert Help Button. The AutoAlert Help Button will automatically send a signal when the battery will soon need to be replaced, and a staff member will contact you to replace it with a new button.
- It is important to start using your replacement button immediately when received and return your old button. The sensors that are used to detect falls will be disabled when there are approximately 7 days of battery life remaining. This is to conserve battery life for generating Help Calls initiated by a button press.
- The AutoAlert Help Button should never be exposed to flames or intense heat and is not suitable for use in the presence of flammable mixtures.
- The lithium battery within the AutoAlert Help Button must be disposed of properly. Do not discard the Help Button in the trash. **Always return the AutoAlert Help Button to a staff member for proper disposal.**

AutoAlert Help Button Overview

Your AutoAlert Help Button allows you to call for help on your campus. Press your button if you need help.

The AutoAlert Help Button provides an added layer of protection. If you fall and can't get up or are unable to push your Help Button, and the AutoAlert Help Button has registered a fall, the AutoAlert Help Button will automatically transmit a signal to the CarePoint system on your campus which sends a message to a staff member in your community who can respond.



▶ ***Always wear your AutoAlert Help Button. Your AutoAlert Help Button is waterproof and should be worn at all times – even when bathing and sleeping.***

▶ ***Push your AutoAlert Help Button whenever you need help or if you have fallen.***

▶ ***If you fall and cannot push your AutoAlert Help Button, and the AutoAlert Help Button has registered a fall, the AutoAlert Help Button will automatically send a Help Call within one minute.***

What to Expect If You Fall

If the AutoAlert Help Button detects a fall and you are unable to push your help button, the button will automatically send a Help Call within one minute so that a staff member in your community can respond.

The AutoAlert Help Button detects standing up in the same way it detects falls. If you fall and stand up in less than 30 seconds, a Help Call will not be



automatically generated. This allows you to recover from falls that are not serious enough to require help. **However, if you think you need assistance, wait for help, rather than attempting to stand up if you feel unable to. As always, you should still push your AutoAlert Help Button any time you need help.**

False “fall detected” alarms may occasionally occur

- While the AutoAlert Button is designed to have very few false alarms, it can be expected that the AutoAlert Help Button will occasionally trigger a fall detected alarm when there was not a fall (i.e. a false alarm.)
- Occasional false alarms do not indicate the AutoAlert Button is malfunctioning.

Adjusting the Neck Cord



To shorten: With a tab between your first finger and thumb of each hand, slide both tabs apart in line with your shoulders.



To lengthen: Pull one strand of the neck cord while sliding the tab to the back. Repeat on the other side.



Explanation of Symbols

Back View

AutoAlert Code:
Report this code if you ever
have to replace the unit

Refer to Instruction
Manual/Booklet. Follow
Instructions for Use.

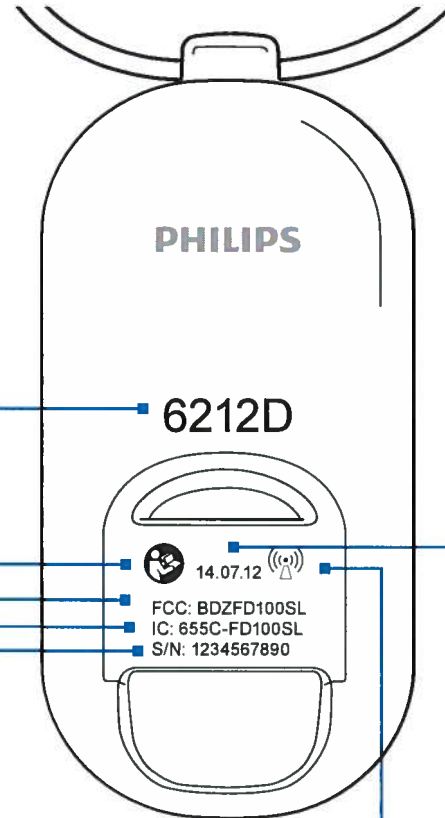
Federal Communications
Commission ID

Industry Canada ID

Serial Number

Interference to electronic
equipment may occur
in the vicinity of devices
marked with this symbol

Date of manufacturing



Type BF Applied Part. This symbol indicates this product complies with requirements for the BF type applied part according to IEC 60601-1.



Recommended Usage

- Always wear the AutoAlert Help Button. It is waterproof and should be worn in the shower or bath. The bathroom is often a place where people fall and need help.
- You may continue to wear your AutoAlert Help Button when leaving the campus. However, the Help Button will not provide coverage outside of your building. Check with your community staff to see if you are covered on the grounds of your community. Some senior living communities have a "bubble of protection" that extends coverage outside of the building to the outdoor campus. Regardless, coverage does not extend off the campus.
- Handle your AutoAlert Button with care. Do not throw or toss the AutoAlert Button onto a bed, table, or other surface because it may accidentally send a Help Call.
- Your AutoAlert Help Button is not a microphone, so you don't talk into it.

Recommended Environmental Conditions

Operating Temperature	32°F (0°C) to 122°F (50°C)
Storage Temperature	-4°F (-20°C) to 158°F (70°C)
Humidity	10% to 90%

contact a staff member.

If you have any questions about your AutoAlert Help Button, please

Troubleshooting

The neck cord provided on the AutoAlert Help Button is designed to break apart under certain conditions to reduce the risk of strangulation. If the neck cord does ever break apart it cannot be reused and you will need to immediately contact a staff member for a replacement.

Neck Cord

The AutoAlert Help Button monitors its own battery level and will send a low battery signal to a staff member when there are approximately 30 days of battery life remaining. A staff member will contact you to arrange for a replacement.

The AutoAlert Help Button has a non-rechargeable battery that can only be replaced at the factory.

Batteries

Maintenance

Contact a staff member if your AutoAlert needs to be cleaned, cleaning it yourself may result in a false alarm.

Cleaning



Frequently Asked Questions

Can I wear my AutoAlert Help Button in the shower or bath?

Yes, the AutoAlert Help Button is completely waterproof and should be worn at all times. However, please note that when the AutoAlert Help Button is fully submerged, the signal is weakened and may not be able to send an alert to a staff member.

Can I wear my AutoAlert Help Button in bed?

Yes, we ask that you wear your AutoAlert Help Button at all times. The button was designed to provide adequate protection against sending an accidental signal, even if you roll over on it.

Can I wear my AutoAlert Help Button under my clothes?

Yes, you can wear the AutoAlert Help Button under your clothes, but please make sure that you can easily reach it in case you need to call for help.

What if I accidentally hit my AutoAlert Help Button?

If you accidentally push your AutoAlert Help Button, a staff member will respond to make sure that everything is okay.

Will my AutoAlert Help Button call for help if I accidentally drop it?

In most situations, the AutoAlert Help Button sensors can tell that it has been dropped, and it will not generate a Help Call.

Does the AutoAlert Help Button have a battery?

Yes, the AutoAlert Help Button has a battery. The AutoAlert Help Button will automatically send a signal when the battery will soon need to be replaced, and a staff member will contact you to replace it.

Can I get the AutoAlert Help Button on a wrist strap?

No, the AutoAlert Help Button is only available as a pendant.

If I fall and stand up, will the button automatically send a

Help Call?

It might. The AutoAlert Help Button is designed to provide time for you to recover from falls that are not serious. However, if you do not stand up within approximately 30 seconds, a Help Call will automatically be sent for a fall that is detected.

Regulatory Compliance

Safety Standards

The AutoAlert Help Button complies with the following safety standards for medical devices and home healthcare equipment:

CSA C22.2 NO 205-M1983 – Signal Equipment

IEC60601-1 2005 (3rd Edition) – Medical Electrical Equipment –

General Requirements for Basic Safety and Essential Performance

IEC60601-1-1 – System Safety

IEC60601-1-2 – Electromagnetic Compatibility

IEC Regulations

The AutoAlert Help Button is medical electrical (ME) equipment. Medical electrical equipment can either generate or receive electromagnetic interference. This product has been evaluated for electromagnetic compatibility (EMC) with the appropriate accessories according to IEC 60601-1-2:2003, the international standard for EMC for medical electrical equipment.



The AutoAlert Help Button must emit electromagnetic energy in order to perform its intended function. Nearby electronic equipment may be affected.

FCC Regulations

The AutoAlert Help Button complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions: (1) The AutoAlert Help Button may not cause harmful interference, and (2) the AutoAlert Help Button must accept any interference received, including interference that may cause undesired operation. Pursuant to Part 15.21 of the FCC Rules, any changes or modifications to this equipment not expressly approved by Philips Lifeline may cause harmful interference.

Industry Canada (IC)

ICES-003:

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.

Essential Performance

The AutoAlert Help Button provides essential performance (EP) under normal operating conditions (includes EMC exposure) only as a complete system, consisting of the AutoAlert Help Button and the Philips CarePoint Resident Safety System. The system achieves its essential performance by sending Help Calls to your community's CarePoint system. If the AutoAlert button is incapable of sending Help Calls, it will periodically send a status alarm to your community's CarePoint system.

System Classification

The AutoAlert Help Button is an FDA Class II device. It is an internally powered device for continuous operation, with a water resistance classification of IPX7.

Radio Specifications

The AutoAlert Help Button has a radiofrequency transmitter with the following characteristics: maximum power over an antenna load: 12 dBm, frequency: 319.5 MHz \pm 75 KHz, modulation: OOK. It fully complies with FCC Part 15, Section 15.231 for periodic operation above 70 MHz.

Electromagnetic Immunity

The AutoAlert Help Button is intended for use in an electromagnetic environment in which RF disturbances are controlled. The user of the AutoAlert Help Button can help prevent electromagnetic interference by maintaining a minimum distance between portable and RF communications equipment (transmitters) and the AutoAlert Help Button, as recommended below, according to the maximum output power of the communications equipment.

Rated maximum output power of the transmitter	Separation distance according to frequency of the transmitter		
150 KHz to 80 MHz	80 MHz to 800 MHz	800 MHz to 2.5 GHz	
0.01 W	4.6" (12 cm)	4.6" (12 cm)	9.2" (23 cm)
0.1 W	14.5" (37 cm)	14.5" (37 cm)	20" (74 cm)
1 W	3ft 10" (1.17 m)	3ft 10" (1.17 m)	7ft 8" (2.33 m)
10 W	12ft 1" (3.7 m)	12ft 1" (3.7 m)	24ft 2" (7.4 m)
100 W	38ft 4" (12 m)	38ft 4" (12 m)	76ft 8" (23.3 m)

The AutoAlert is intended for use in the electromagnetic environment specified below. The customer or user of the AutoAlert should ensure that it is used in such an environment.

Guidance and Manufacturer's Declaration - Immunity

Emissions Test		Compliance	Electromagnetic Environment - Guidance
RF Emissions CISPR 11	Group 2	The AutoAlert must emit Electromagnetic energy in order to perform its intended function. Nearby electronic equipment may be affected.	The EUT is Battery Powered. The AutoAlert is suitable for use in all establishments, including domestic, and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes.
RF Emissions CISPR 11	Group B		
Harmonics	IEC 61000-2	N/A	
Flicker	IEC 61000-3-3	N/A	

The AutoAlert is intended for use in the electromagnetic environment specified below. The customer or user of the AutoAlert should ensure that it is used in such an environment.

Guidance and Manufacturer's Declaration - Emissions

1. Medical Electrical Equipment needs special precautions regarding EMC and needs to be installed and put into service according to the EMC information provided in the Accompanying Documents.
2. Portable and Mobile RF Communications Equipment can affect Medical Electrical Equipment.
3. The use of accessories, transducers and/or cables other than those specified, with the exception of those sold by the manufacturer as replacement parts for internal components, may result in increased emissions or decreased immunity of the equipment or system.
4. The equipment or system should not be used adjacent to or stacked with other equipment and that if adjacent or stacked use is necessary, the equipment or system should be observed to verify normal operation in the configuration in which it will be used.

60601-1-2:2007 Electromagnetic Compatibility (EMC)

Collateral Standards for IEC 60601-1



Immunity Test	EN/IEC 61000-4-3	EN/IEC 61000-4-3	EN/IEC 61000-4-3
Test Level	10 V/m	10 V/m	10 V/m
Compliance Level	(E1)10V/m	(E1)10V/m	(E1)10V/m
Electromagnetic Environment – Guidance	Portable and mobile communications equipment should be separated from the AutoAlert help button by no less than the distances calculated/ listed below: $D = (3.5/V1)(\text{Sqrt } P)$ 80 to 800 MHz $D = (7/E1)(\text{Sqrt } P)$ 800 MHz to 2.5 GHz Where P is the max power in watts and D is the recommended separation distance in meters. Field strengths from fixed transmitters, as determined by an electromagnetic site survey, should be less than the compliance levels (V1 and E1). Interference may occur in the vicinity of equipment containing a transmitter.	Portable and mobile communications equipment should be separated from the AutoAlert help button by no less than the distances calculated/ listed below: $D = (3.5/V1)(\text{Sqrt } P)$ 80 to 800 MHz $D = (7/E1)(\text{Sqrt } P)$ 800 MHz to 2.5 GHz Where P is the max power in watts and D is the recommended separation distance in meters. Field strengths from fixed transmitters, as determined by an electromagnetic site survey, should be less than the compliance levels (V1 and E1). Interference may occur in the vicinity of equipment containing a transmitter.	Portable and mobile communications equipment should be separated from the AutoAlert help button by no less than the distances calculated/ listed below: $D = (3.5/V1)(\text{Sqrt } P)$ 80 to 800 MHz $D = (7/E1)(\text{Sqrt } P)$ 800 MHz to 2.5 GHz Where P is the max power in watts and D is the recommended separation distance in meters. Field strengths from fixed transmitters, as determined by an electromagnetic site survey, should be less than the compliance levels (V1 and E1). Interference may occur in the vicinity of equipment containing a transmitter.

Guidance and Manufacturer's Declaration - Immunity
 The AutoAlert is intended for use in the electromagnetic environment specified below. The customer or user of the AutoAlert should ensure that it is used in such an environment.

Immunity Test	EN/IEC 60601	EN/IEC 61000-4-8	EN/IEC 61000-4-8
Test Level	±6kV Contact	±8kV Air	50/60Hz Magnetic Field
Compliance Level	±6kV Contact	±8kV Air	3A/m
Electromagnetic Environment – Guidance	Floors should be wood, concrete or ceramic tile. If floors are synthetic, the r/h should be at least 30%.	Power frequency magnetic fields should be that of a typical commercial or hospital environment.	Power Frequency



The AutoAlert is intended for use in the electromagnetic environment in which radiated disturbances are controlled. The customer or user of the AutoAlert can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF Communications Equipment and the AutoAlert as recommended below, according to the maximum output power of the communications equipment.

Recommended Separations Distances for the AutoAlert

Max Output Power (Watts)	Separation (m) 150kHz to 80MHz $D=(3.5\sqrt{P})$ (Sqrt P)	Separation (m) 80 to 800MHz $D=(3.5/EI)$ (Sqrt P)	Separation (m) 800MHz to 2.5GHz $D=(7/EI)$ (Sqrt P)
0.01	N/A	.035	.07
0.1	N/A	.11068	.22136
1	N/A	.35	.7
10	N/A	1.1068	2.2136
100	N/A	3.5	7



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