



Care@Home™

Emergency Pendant Advanced User Guide



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1. Overview

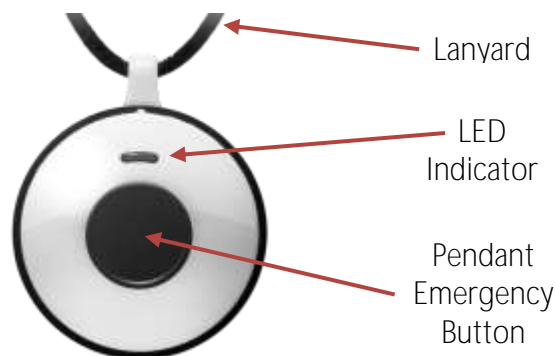
The Emergency Pendant Advanced (EPA) and the Emergency Pendant Advanced Jewelry (EPAJ) are innovative, wearable, multi-function emergency pendants for detecting falls and signaling emergency situations, which are integrated with Care@Home™. The features and operation of both pendants are identical.

The pendant is meant to be worn by the resident at all times.

If the pendant detects a fall, or the pendant SOS button is pressed, the pendant will send an emergency message to the Care@Home control panel, which relays the message to the monitoring station.

Pendant features include:

- Fully water resistant (IP67)
- Wireless connectivity with the control panel of up to 350 m (1,148 ft.) in the open air
- Up to two years battery life
- Configurable emergency press duration
- Lightweight
- LED indicator



2. Pairing the Pendant

To pair a pendant:

1. On the control panel, press the PAIRING button for three seconds. The control panel will beep and the activity Halo LED indicator around the SOS button illuminate solid blue.



2. Press pendant's button.
3. Ensure that the pairing process is successful. The process can have the following results:
 - Success The control panel will beep, and activity Halo indicator will blink blue three times.
 - Failure The control panel will beep, and the activity Halo indicator will illuminate red for two seconds. Try to pair again.
 - Already paired The control panel will beep, the activity Halo indicator will illuminate blue, and the SOS button will illuminate red.

3. Testing Fall Detection

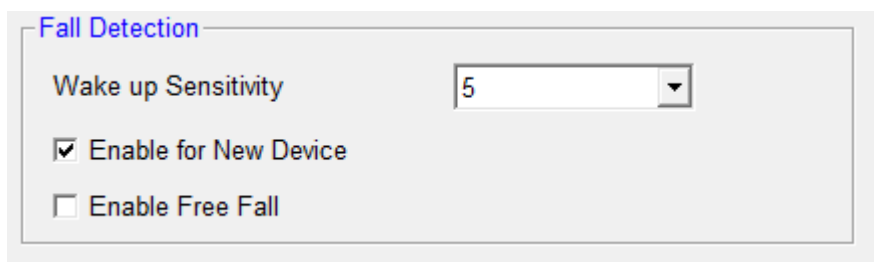
Testing of the pendant functionality is optional. To verify that fall detection is performing as expected complete the Fall Test.

3.1. Prerequisites

Fall testing needs to be enabled and configured via either CMS or CareView. Both options are explained below:

3.1.1 CMS

Navigate to: Main -> Control Panel -> More Options -> EPA Config -> Fall Detection



- Wake up Sensitivity
Options: Default: 5, range: 1-7. 1 is least sensitive, 7 is most sensitive.
- Enable for New Device
When pairing a new EPA device, if the checkbox is:
 - Checked - fall detection feature is enabled.
 - Unchecked - the fall detection feature will be disabled. Therefore, the device will function as an EPP.
- Enable Free Fall
If the checkbox is:
 - Checked - the device will treat a free fall test procedure as a real fall. This will trigger the emergency flow, including a call to the alarm response center.
 - Unchecked - the device will not consider a free fall test a real fall and will not trigger emergency flow.

NOTE: During control panel installation range test, even if the Enable Free Fall is unchecked, the free fall test will be enabled.



During the range test, it will be possible to perform the fall test. If successful, the control panel will confirm with an announcement but will not call the alarm response center.

3.1.2 CareView

Navigate to: Control panel Settings -> Peripheral configuration -> Fall detection

Fall detection



Enable fall detection for new device



Enable free fall

- Enable fall detection for new device
When pairing a new EPA device, if the checkbox is:
 - On - fall detection feature is enabled.
 - Off - the fall detection feature will be disabled.
Therefore, the device will function as an EPP.
- Enable free fall
If the checkbox is:
 - On - the device will treat a free fall test procedure as a real fall. This will trigger the emergency flow, including a call to the alarm response center.
 - Off - the device will not consider a free fall test a real fall and will not trigger emergency flow.

NOTE: During the range test as part of a control panel installation, even if the Enable Free Fall is set to Off, the free fall test will be enabled.



During the range test, it will be possible to perform the fall test. If successful, the control panel will confirm with an announcement but will not call the alarm response center.

3.2. Fall Test



To perform the fall test:

1. Let the pendant sit still on a tabletop or other motionless stable surface for at least 10 seconds.
2. Lift the pendant to approximately the height of an upright broom: 1.2 - 1.6 m.
3. Immediately drop the pendant.
4. Wait 20 seconds. The EPA LED should blink green for several seconds.
5. The control panel should announce a successful test confirmation message.

Training Video

4. Operating the Pendant

The pendant has both manual and automatic functionality. In addition to a manual press of the Panic button, the device also automatically sends notifications and communicates certain events to the control panel, such as fall detection, ambient temperature, battery status, supervision and more.

4.1. Notifications

The pendant will send notifications to the control panel if either of the following events are detected:

- The pendant button is pressed
- The pendant detects a fall

In addition, depending on how the control panel is configured, the pendant periodically sends status information to the control panel, including:

- The ambient temperature
- The pendant battery status

4.2. LED Indications

The pendant LED will light up as shown in the following table:

LED	Situation
Blinking red for 8 seconds	Pendant button pressed
	Fall detection
Solid Green for 1 second	Battery was just replaced
Blinking green for 8 seconds	Fall test detected successfully

4.3. Supervision

The pendant is a supervised device. The pendant periodically transmits its status to the control panel. The frequency of the reporting periods can be configured remotely. If after a pre-defined time the control panel does not receive a status message, the control panel will send a Supervision lost message to the monitoring station.

5. Replacing the Battery

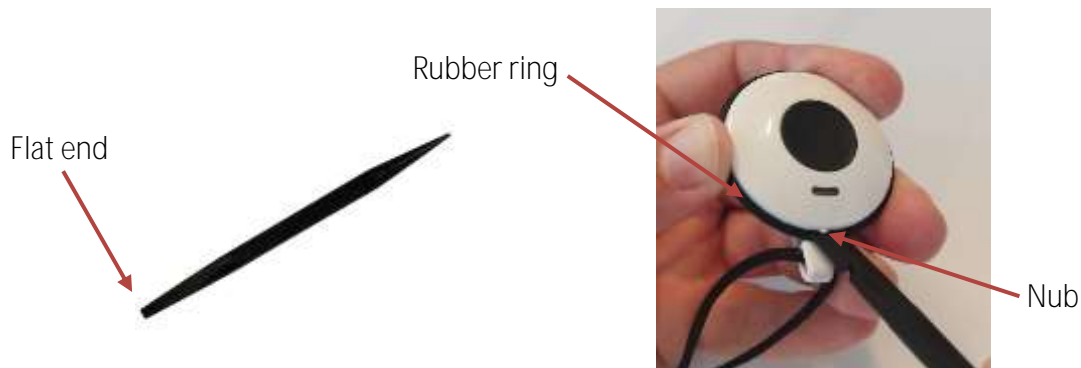
Both the EPA and EPAJ models utilize a 3 V CR2450 lithium battery. The procedure is identical for both the EPA and the EPAJ.



WARNING! A new battery can cause damage if it is incorrectly installed. If the pendant does not close securely, stop using this product immediately. Always keep new and used batteries away from children.

To replace the battery:

1. Insert the flat end of a plastic flat-headed stick tool (spudger) between the nub and the rubber ring, and gently push it inside.



2. Rotate the spudger to pry off the front half of the device.



3. Gently remove the front section of the device and turn it upside down.
4. Remove the old battery.



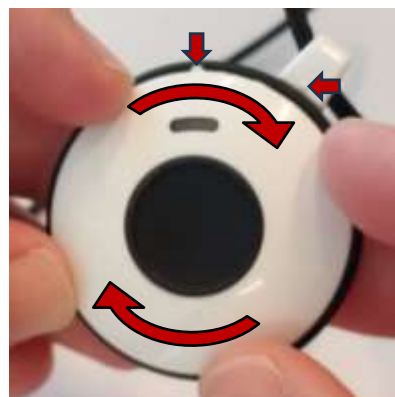
5. Insert the new battery with the + sign facing up.



6. Ensure that the rubber seal remains securely in position on the front half of the pendant.
7. Reinstall the back section of the device over the upturned front section.



8. Hold the two sections together gently and flip over the device while making sure that the rubber seal remains seated in the correct position.
9. Align the nub on the front section of the device with the dot on the back section.



10. Press the two sections together (making sure once again that the black rubber seal is in position) until they click into place.



6. Specifications

Category	Data
Part Number	ES700EPA, ES700EPAJ
Communications	<ul style="list-style-type: none"> ● Proprietary bi-directional radio protocol ● GFSK modulation: <ul style="list-style-type: none"> ■ 869.225 MHz (Europe) ■ 916.5 MHz (North America, Australia, New Zealand and LATAM) ■ 922.5 MHz (Asia) ■ 2.4 GHz BLE ● RF range: Up to 300 m open air <small>NOTE: Nominal RF coverage is tested over LOS free space in a low interference environment</small> ● Encoding: 32-bit ID - over 4 billion combinations
Power	<ul style="list-style-type: none"> ● 1 x 3 V CR2450 lithium battery ● Approved battery manufacturers: Panasonic and Energizer ● Up to two-year battery life
Physical	<ul style="list-style-type: none"> ● EPA <ul style="list-style-type: none"> ■ Dimensions (W x Diameter): 12 x 40 mm ■ Weight: 15 g including battery, excluding lanyard ■ Color: White ● EPAJ <ul style="list-style-type: none"> ■ Dimensions (W x Diameter): 16 x 42 mm ■ Weight: 23 g including battery, excluding lanyard ■ Color, excluding decoration: <ul style="list-style-type: none"> ◆ Body: White ◆ Button: Dark Grey
Environmental	<ul style="list-style-type: none"> ● Operating ambient temperature range: -10°C - 55°C ● Storage ambient temperature range: -20°C - 70°C ● Operating humidity: Up to 93% non-condensing ● Water and dust resistant: IP67 ● EN50130-5 Environmental Class 1

Category	Data
Certifications and Approvals	<ul style="list-style-type: none"> ● CE ● FCC, IC ● UL1637 ● EN 50134-2



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