

Sensor Controller Installation Guide



Aidcall operates a policy of continual product improvement and reserves the right to modify the specification of its products.

If any variation to the details in this document are suspected please contact Aidcall's Technical Support.

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1. PRODUCT OVERVIEW

The Touchsafe Pro Sensor Controller is normally used for bed or chair occupancy monitoring; if a person gets into bed/sits in their chair, then gets up again and does not return within a preset period an alarm call will be alerted on the Nursecall system.

Alternatively the Sensor Controller can be used with a pressure mat or door contact so an alarm can be raised instantly a person steps on the floor mat or opens the monitored door.

Bedside or table lamps can be turned on/off automatically using optional *Gadget* mains switchers.

The Sensor Controller has a real time clock with automatic British Summer Time adjustments (i.e. the +/- 1 hour clock changes are made automatically on the correct day every March and October).

With a standard bed or chair sensor an alarm can be raised either **instantly** a person leaves their bed/chair or after a 1 to 99 minute programmable **absence period** if the person does not return. If the person does not return and an alarm is raised, then an optional 1 to 99 minute programmable **reset period** can be set. If the person is not detected as “back in their bed/chair” at the end of this period then another alarm will be raised.

Monitoring starts when a person has been in their bed/chair for 30 seconds (default **logged in time**). Continuous monitoring is possible if the controller is set to be **on all the time**. Alternatively up to **3 active periods** can be programmed to repeat every day. There is also the option to raise an alarm if a person is **not in their bed/chair** after a 0 to 999 minute programmable delay from the start of the monitoring period.

Monitoring will end at the end of each monitoring period unless the **still in bed/chair** option is set. This is a 0 to 999 minute programmable period – if the person is still in their bed/chair at the end of this period an alarm will be raised.

With a Magic Stick or SensAlert bed/chair sensor an alarm can be raised either **instantly** a person leaves their bed/chair or after a programmable 0 to 999 second **countdown** delay.

If the person is going to be away for a few days the Sensor Controller has an **away mode** feature which temporarily suspends monitoring to prevent false alarms. When the person returns the unit must be switched back into **home mode** and normal monitoring will resume.

The Sensor Controller has a **Carer Call** button to manually activate an alarm call at any time.

2. IMPORTANT SAFETY INSTRUCTIONS

	Read and understand these instructions before use and keep for future reference.
	Setup and test the equipment as per the manufacturer's instructions.
	This product should not be a substitute for routine visual monitoring by a Carer.
	Do not disassemble this product or attempt to repair it yourself.
	No user serviceable parts inside. Refer all servicing to qualified service personnel.
	This product should only be powered by the Mains Adapter and rechargeable battery supplied. Under no circumstances should this product be powered from another power source.
	Insert the battery in accordance with the instructions in this manual. Only use the manufacturer approved 8.4V rechargeable NiMH battery identified in this manual.
	The accessory lead provided should only be plugged into an Aidcall Call Point. Under no circumstances should it be plugged into any other manufacturer's equipment.
	Do not drop or expose to high vibration or shock.
	Do not expose to direct sunlight.
	Do not submerge in water and do not use in damp or humid conditions.
	Do not expose to dripping or splashing water. As with any electronic equipment take care not to spill liquids into any part of the system. Liquids can cause a failure and/or a fire hazard.
	Clean with a hard-surface disinfectant wipe or a damp cloth and a non-abrasive cleaning product. Polish with a dry duster.
	Avoid using harsh, abrasive or corrosive cleaning agents or detergents (e.g. scouring powders, bleaches, polishes, etc.) when cleaning this product.
	At the end of its life this product should be disposed of and recycled in accordance with the environmental regulations. See the Regulatory Information in section 3 below.

3. REGULATORY INFORMATION

	This symbol on the product indicates it complies with all relevant EU Directives as required by law. Electro Magnetic Compatibility; EMC 2004/108/EC Restriction of Hazardous Substances; RoHS 2011/65/EU A copy of the complete Declaration of Conformity is available from Aidcall.
	This symbol on the product indicates it is classed as Electrical or Electronic Equipment and should not be disposed of with other commercial waste at the end of its working life. The Waste of Electrical and Electronic Equipment (WEEE) Directive (2012/19/EU) has been put in place to recycle products using the best available recovery and recycling techniques to minimise impact on the environment, treat hazardous substances and avoid increasing landfill. For product disposal please contact your supplier and check the terms and conditions of the purchase contract and ensure this product is not mixed with other commercial waste for disposal.
	This symbol on batteries indicates separate collection. Batteries contain chemicals that can be hazardous to health and the environment and should not be disposed of in the waste bin. The EU Directive (2006/6/EC) has been put in place to ensure the safe disposal and recycling of batteries. Return used batteries to your supplier or drop-off at your local municipal waste recycling depot.

4. MAINTENANCE & CARE

A weekly inspection should be performed to check all cables and connections are in good condition and that the Sensor is correctly positioned under the mattress or chair cushion.

The Sensor Controller rechargeable battery should be replaced at least every 3 years. See section 25 of this guide for details of recommended replacement battery type.

The bed/chair sensors and controller can be wiped clean with a damp cloth and a mild disinfectant. Always dry the sensors and controller well after cleaning. At the same time all parts should be checked for signs of external physical damage, broken or cracked plastic can trap dirt and contribute to the spread of germs.

5. SENSOR CONTROLLER PARTS

The Sensor Controller (Aidcall Part No. ZNC365) includes the following parts;

- Sensor Controller
- Mains Adapter
- Rechargeable 8.4V NiMH Battery
- Nursecall Accessory Lead

Sensor Controller



Mains Adapter



Rechargeable Battery

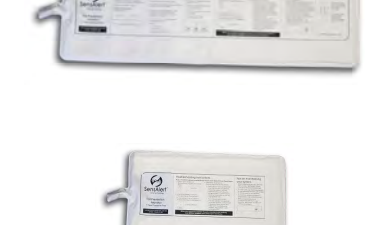


Nursecall Accessory Lead

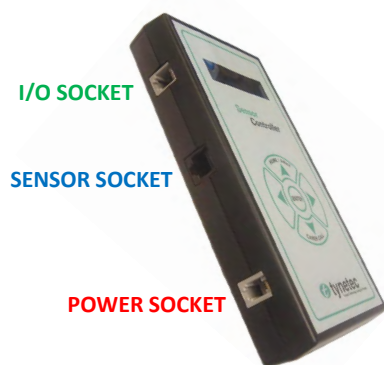


6. SENSOR OPTIONS

Any of the Sensors listed below can be purchased separately and used with the Sensor Controller;

		Aidcall Part No.
	Standard Bed Sensor with 2m Lead Dimensions: 650mm x 130mm x 10mm (LxWxD)	ZCS844
	Standard Chair Sensor with 2m Lead Dimensions: 325mm x 130mm x 10mm (LxWxD)	ZCS859
	Magic Stick Bed Sensor with 3m lead Dimensions: 1000mm x 15mm x 7mm (LxWxD)	ZCS851
	Magic Stick Chair Sensor with 3m lead Dimensions: 400mm x 15mm x 7mm (LxWxD)	ZCS852
	SensAlert Bed Sensor with 2m Lead Dimensions: 750mm x 250mm x 5mm (LxWxD)	ZCS861
	SensAlert Chair Sensor with 2m Lead Dimensions: 375mm x 250mm x 5mm (LxWxD)	ZCS862
	Pressure Mat with 2m Lead Dimensions: 520mm x 400mm x 6mm (LxWxD)	ZCS857
	Door Contact with 2m Lead	ZCS854

7. CONNECTING THE SENSOR CONTROLLER



1. The sensor controller should be within 3 metres of a mains supply, if an extension cable is necessary care should be taken to ensure that no one can trip over the power lead.
2. Slide the battery compartment open on the rear of the Sensor Controller and connect the Rechargeable Battery.
3. Plug the Mains Adapter into the **POWER SOCKET** on the side of the Sensor Controller and connect to the mains supply.
4. Plug the Sensor into the **SENSOR SOCKET** on the side of the Sensor Controller.
5. Plug the Nursecall Accessory Lead into the **I/O SOCKET** on the side of the Sensor Controller.

CONNECTING TO THE NURSECALL SYSTEM

The 2 metre Accessory Lead provided connects between the Sensor Controller I/O Socket and the Aidcall Touchsafe Pro Call Point lower right hand Accessory Socket.



Locate the Sensor Controller where the 3 leads can reach the Sensor, Mains Adapter and Nursecall Call Point without causing a trip hazard. The controller can be simply placed under the bed/chair or stood vertically in the optional Perspex stand (Aidcall Part No. W00446).

IMPORTANT PROGRAMMING

The Sensor Controller must have its **I/O setup** for a Relay Output – see page 15.

The Touchsafe Pro Callpoint must have its **Hardwired Input 1** setup for Bed or Chair Occupancy – see page 11.



*Note: an RJ45 double adapter (Aidcall Part No. P10285) can be used to connect 2 of the SAME TYPE sensors into the **SENSOR SOCKET**.*



8. INSTALLING A STANDARD BED SENSOR

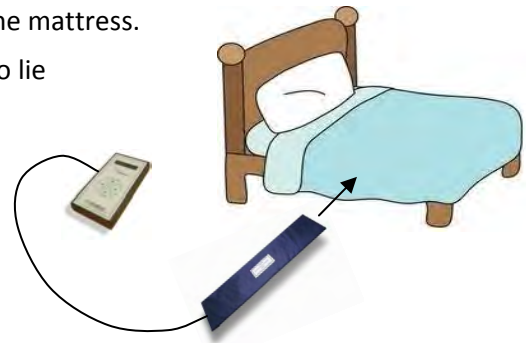
The Standard Bed Sensor must be placed on the bed base under the mattress.

Check the base is in reasonable condition with a flat firm surface to lie the sensor on.

The sensor should be placed across the width of the bed at a point where the hips of the person will be when lying down.

Ensure the cable exits safely without causing a trip hazard.

Plug the lead into the Sensor Controller.



9. INSTALLING A STANDARD CHAIR SENSOR

The Standard Chair Sensor must be placed on the seat base under the cushion.

Check the base is in reasonable condition with a flat firm surface to lay the sensor on.

The sensor should be placed across the width of the chair at a point where the person will be sitting.

Ensure the cable exits safely without causing a trip hazard.

Plug the lead into the Sensor Controller.



10. INSTALLING A PRESSURE MAT

The Pressure Mat must be placed under the carpet or a rug alongside the bed so it will be stood on when the person gets out of bed.

The mat should be placed so the cable exits safely without causing a trip hazard.

Plug the lead into the Sensor Controller.



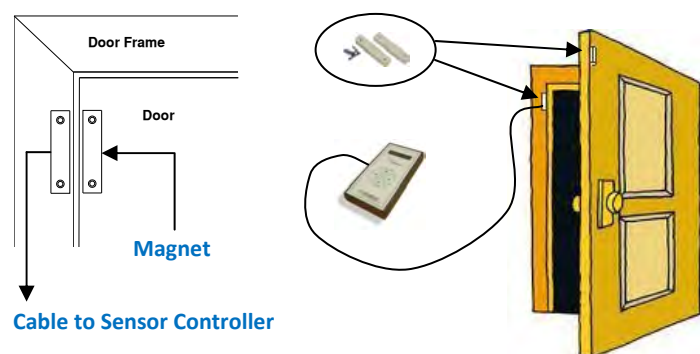
11. INSTALLING A DOOR CONTACT

The Door Contact should be installed by a competent person on the frame of the door being monitored.

Fix the contact (part with wire connected) to the door frame. Clip the cable to the door frame and route safely without causing a trip hazard.

Fix the magnet to the door. There should be no more than a 10mm gap between the 2 parts when the door is closed.

Plug the lead into the Sensor Controller.

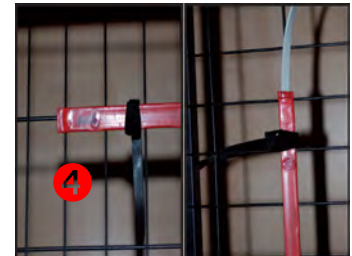
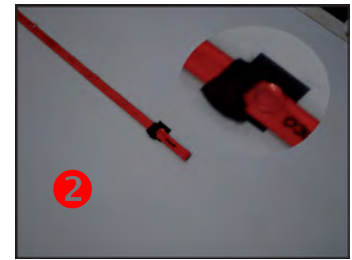
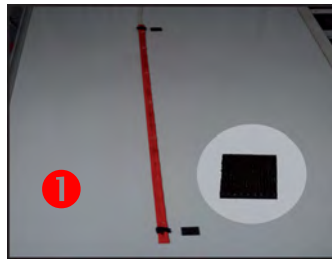


12. INSTALLING A MAGIC STICK BED SENSOR

The Magic Stick Sensor must be placed on the bed base under the mattress. Ensure the cable exits safely without causing a trip hazard.

Never place a Magic Stick on top of the mattress.

1. If the bed has a hard flat base the “button” side of the sensor strip should be laid downwards.
2. Secure the Magic Stick to the bed base using the Velcro straps provided.
3. If the bed has an open frame base the “flat” side of the sensor strip should be laid downwards.
4. Secure the Magic Stick to the struts of the base using the Velcro straps provided.
5. Plug the lead into the Sensor Controller.



13. INSTALLING A MAGIC STICK CHAIR SENSOR

The Magic Stick Sensor must be placed on the seat base under the cushion running centrally across the width of the chair.

Check the base is in reasonable condition with a flat firm surface to lay the Magic Stick on. Ensure the cable exits safely without causing a trip hazard.

The “button” side of the sensor strip should be laid downwards and secured using the Velcro straps.

Plug the lead into the Sensor Controller.



14. INSTALLING A SENSALERT BED SENSOR

The SensAlert Bed Sensor must be placed on top of the mattress below the sheet.

See the placement options printed on the Bed Sensor pad. Ensure the cable exits safely without causing a trip hazard.

Plug the lead into the Sensor Controller.



15. INSTALLING A SENSALERT CHAIR SENSOR

The SensAlert Chair Sensor must be placed on top of the seat cushion.

See the placement options printed on the Chair Sensor pad. Ensure the cable exits safely without causing a trip hazard.

Plug the lead into the Sensor Controller.

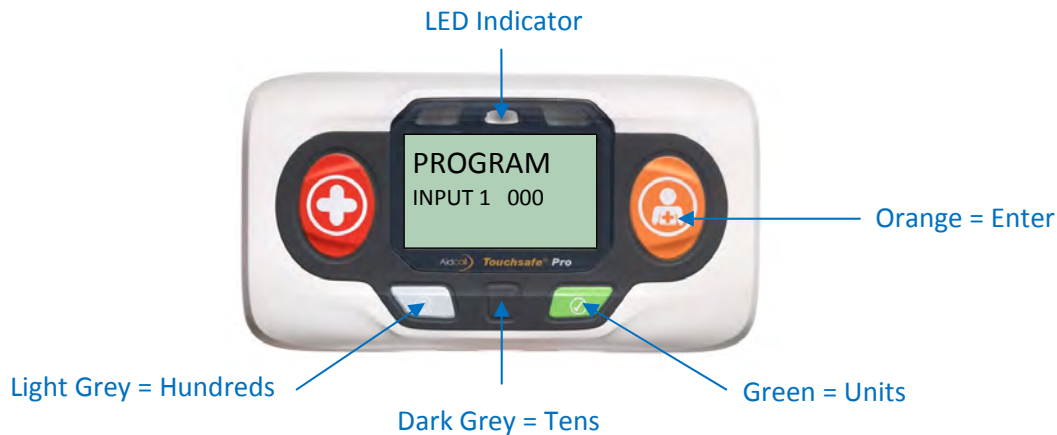


16. TOUCHSAFE PRO CALLPOINT SETUP

For the Touchsafe Pro Nursecall panel to display the correct alarm type the Touchsafe Pro Callpoint with the Sensor Controller plugged-in must have its **Input 1** Event Code set as Bed or Chair Occupancy.

If this is not set the panel will display a standard "Call" banner.

During programming mode the Call Point buttons have the following functions;



If no keys are pressed for 10 seconds the unit will reset out of Program Mode

CALLPOINT PROGRAMMING

1. Open the Touchsafe Pro Callpoint battery compartment and remove one of the batteries.
2. Hold down the **ORANGE** button and refit the battery.
3. Release the **ORANGE** button; the LED will slowly **FLASH GREEN** and the unit will beep twice to confirm you are in Program Mode, the display will show "**Program Preamble ID**".
4. Press the **ORANGE** button several times until the display shows "**Program Input 1**".
5. Enter the Bed Occupancy Event Code (**033**) by pressing the **DARK GREY** tens button three times followed by the **GREEN** units button three times. Or...
6. Enter the Chair Bed Occupancy Event Code (**038**) by pressing the **DARK GREY** tens button three times followed by the **GREEN** units button eight times.
7. Press the **ORANGE** button to confirm; the LED will continue to **FLASH AMBER** but at a faster pace and the display will show "**Program Input 2**".
8. Press the **ORANGE** button several times to skip all remaining menu options.
9. After the last menu option the unit will beep three times and exit Program Mode.

17. HOW TO SWITCH ON/OFF

When the Mains Adapter is plugged-in and switched on the display will flash **"Press ENTER for Setup"**. Press the **ENTER** key and the Main Menu will be displayed. The battery symbol should be flashing in the top of the Main Menu display to indicate the battery is being charged. After 20 seconds the display will go blank, the unit is still on but the display goes off to save power.

The Sensor Controller should be left plugged-in and switched on at all times - this will ensure its battery is always fully charged and alarms will always be sent.

TO SWITCH OFF

Switch the mains supply OFF and unplug Mains Adapter. Press the **ENTER** key to display the Main Menu. Press the **▼** key to select **→ Power Off ←** then press **ENTER**. The display will show **"The Controller is Powering Down"** before switching off.

18. LOW BATTERY WARNING

If the mains power fails the Sensor Controller will continue to operate from its battery. The length of time the Sensor Controller will operate for on battery alone will depend on usage. When the battery is running low the unit will beep[®] and display **"Sending a Low Battery Alarm"**. When the battery is exhausted the unit will display **"Low Battery – Controller is Powering Down"** before turning itself off.

Note: there is no "Low Battery" indication on the Nursecall panel.

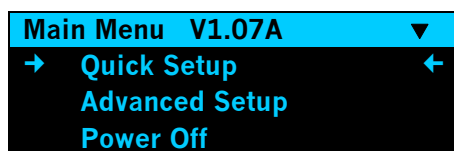
When the mains power is restored allow at least 8 hours to fully recharge the Sensor Controller battery.

[®] The low battery beep can be disabled in programming.

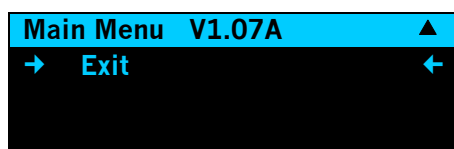
Detailed information on battery management for all Tynetec/Aidcall products is available - request a copy of Doc No. FM0630.

19. NAVIGATING THE DISPLAY MENUS

Press the **ENTER** key once and the display will illuminate. Use the **▲▼** keys to scroll up/down through the options. The **▲▼** arrows in the top right of the display indicate more menu options are available using the up/down keys.



Scroll down past **→ Power Off ←** and the display will show;



The menu option highlighted **→ in arrows ←** can be selected with the **ENTER** key. This will either take you to another sub-menu or give you the option to change settings.

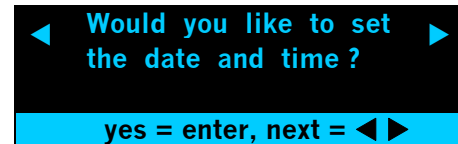
Use the **▲▼** keys to increase/decrease the setting highlighted by the cursor.

Use the **◀▶** keys to move the cursor back/forwards between fields.

To return to the Main Menu press the **▲ & ▶** keys together. To exit the Main Menu select **→ Exit ←** and press the **ENTER** key, the display will blank.

20. QUICK SETUP MODE

Select **→ Quick Setup ←** from the Main Menu and press the **ENTER** key, the display will show;



Press **ENTER** and the display will change to **"Enter Date"** (use DD/MM/YY format).

Use the **▲▼** keys to set the **Date** (DD) then press **▶**

Use the **▲▼** keys to set the **Month** (MM) then press **▶**

Use the **▲▼** keys to set the **Year** (YY) then press **ENTER** and the display will change to **"Enter Day"**

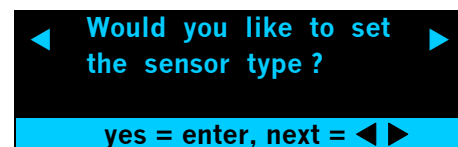
Use the **▲▼** keys to set the **Day** then press **ENTER** and the display will change to **"Enter Time"** (24 hour format).

Use the **▲▼** keys to set the **Hour** (HH) then press **▶**

Use the **▲▼** keys to set the **Minutes** (MM) then press **ENTER** and the display will change to **"Auto BST"**

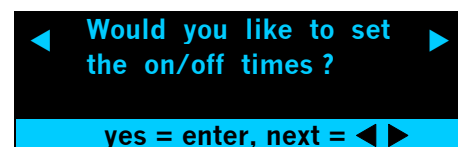
Use the **▲▼** keys to set **Auto BST On** or **Off** then press **ENTER** (**On** means the British Summer Time +/- 1 hour adjustments will be made automatically every March/October).

The display will go back to the **"set date and time"** menu, press the **▶** key to move to the next option;



Press the **ENTER** key and the display will change to **"Set Sensor Type; Bed Standard"**. Use the **▲▼** keys to select from; **Bed Magic Stick** or **Chair Standard** or **Chair Magic Stick** or **Aux** then press **ENTER**. **Note: use "Aux" for pressure mat or door contact. Use "Bed Magic Stick" for SensAlert bed sensor. Use "Chair Magic Stick" for SensAlert chair sensor.**

The display will go back to the **"set sensor type"** menu, press the **▶** key to move to the next option;



Press the **ENTER** key and the display will change to **"On All The Time? No"**

Choose if you want the bed/chair monitored all the time or during preset periods each day.

Use the **▲▼** keys to choose **Yes** or **No** then press **ENTER**.

If you choose **No** the display will change to

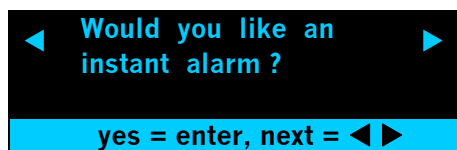
"Enter Start Time 1 00:00" (24HR format).

Use the **▲▼** keys to set the **Hour** then press **▶**

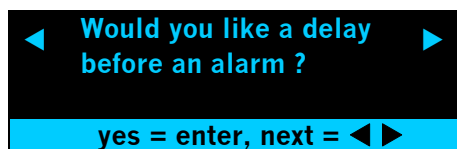
Use the **▲▼** keys to set the **Minutes** then press **ENTER** and the display will change to **"Enter Stop Time 1 00:00"**

20. QUICK SETUP MODE - CONTINUED

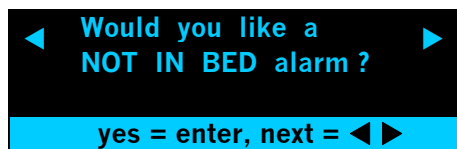
Repeat as above to set the Stop Time then press the **ENTER** key – the display will change to “**Another Time Slot? No**”
Use the **▲** key to select **Yes** to enter more time slots or press the **ENTER** key.
The display will go back to the “**set on/off times**” menu, press the **▶** key to move to the next option;



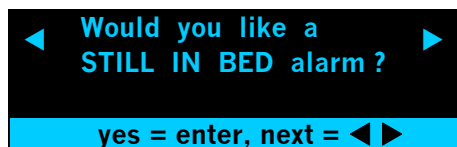
Press the **ENTER** key and the display will change to “**Instant Alarm? No**”
Use the **▲▼** keys to choose **Yes** or **No** then press **ENTER**.
If you choose **Yes** an alarm will be sent immediately the person leaves their bed/chair.
The display will go back to the “**instant alarm**” menu, press the **▶** key to move to the next option;



Press the **ENTER** key and the display will change to “**Enter Time Delay; 00 Mins**”
Use the **▲▼** keys to set the delay before an alarm from 1 to 99 Minutes then press the **ENTER** key.
The display will go back to the “**delay before alarm**” menu, press the **▶** key to move to the next option;

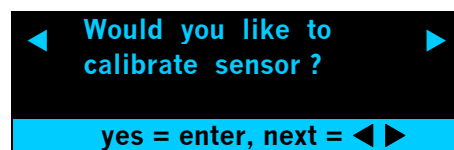


Press the **ENTER** key and the display will change to “**Not in Bed Alarm; No**”
Use the **▲▼** keys to choose **Yes** or **No** then press **ENTER**.
If you choose **No** the monitoring will start when the person is detected in bed.
If you choose **Yes** the display will change to “**Not in Bed Alarm; How Long? 000 Mins**”
Use the **▲▼** keys to set the not in bed alarm from 0 to 999 minutes then press the **ENTER** key (an alarm will be sent if the person is not in bed after this period).
The display will go back to the “**not in bed alarm**” menu, press the **▶** key to move to the next option;



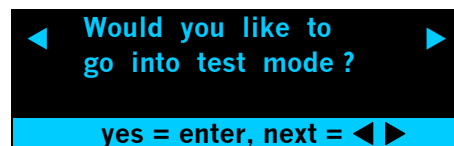
Press the **ENTER** key and the display will change to “**Still in Bed Alarm; No**”
Use the **▲▼** keys to choose **Yes** or **No** then press **ENTER**.
If you choose **No** the monitoring will end at the end of the monitoring period.

If you choose **Yes**, the display will change to “**Still in Bed Alarm; How Long? 000 Mins**”
Use the **▲▼** keys to set the still in bed alarm from 0 to 999 minutes then press the **ENTER** key (an alarm will be sent if the person is still in bed after this period).
The display will go back to the “**still in bed alarm**” menu, press the **▶** key to move to the next option;

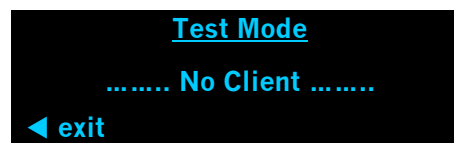


Note: this option is not relevant for Magic Sticks, SensAlert or Aux sensors.

If using a standard bed/chair sensor press the **ENTER** key and the display will change to “**Put Sensor Under Mattress/Chair**” and “**Press ENTER When Ready**”
Place the sensor under the mattress or chair cushion then press the **ENTER** key.
The display will show “**30 Secs Left ...PLEASE WAIT...**” and count down to zero while the sensor is being calibrated.
The display will go back to the “**calibrate sensor**” menu, press the **▶** key to move to the next option;



Press the **ENTER** key and the display will change to;

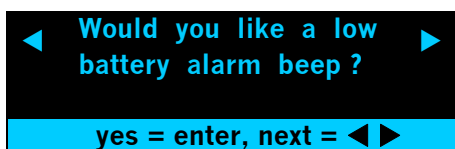


Get the client to lie on the bed/sit in the chair and the display should show “**..... Client Detected.....**”
Remain on the bed/chair for 10 seconds and the display will show “**Unit is sending status IN code**”
After a short delay the display should show “**..... Client Logged IN.....**”
Get the client off the bed/out the chair and the display will show “**Unit is sending status OUT code**”
After a short delay the display should show “**..... Client OUT.....**”
After 10 seconds the unit will start to beep and the display will show “**..... Alarm.....**”
After a further 10 seconds and the display will show “**Unit is sending ALARM code**”
End of Test Mode.

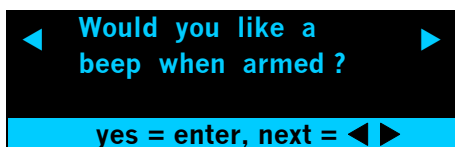
Note: if the client is not detected as in the bed/chair then you may need to adjust the sensitivity – go to the **Advanced Setup → **Calibrate and Test** → **Change Sensitivity option** on page 14.**

The display will go back to the “**test mode**” menu, press the **▶** key to move to the next option;

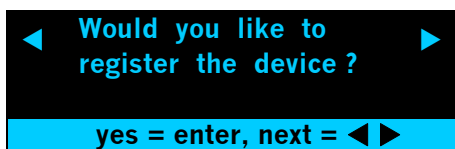
20. QUICK SETUP MODE - CONTINUED



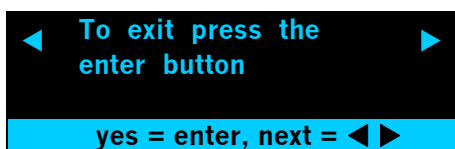
Press the **ENTER** key and the display will change to "Low Battery Beep? **No**". Use the **▲▼** keys to choose **Yes** or **No** then press **ENTER**. If you choose **Yes** the unit will beep as a warning when its battery power is running low. The display will go back to the "Low Battery Beep" menu, press the **▶** key to move to the next option;



Press the **ENTER** key and the display will change to "Beep When Armed? **No**". Use the **▲▼** keys to choose **Yes** or **No** then press **ENTER**. The display will go back to the "Beep When Armed" menu, press the **▶** key to move to the next option;



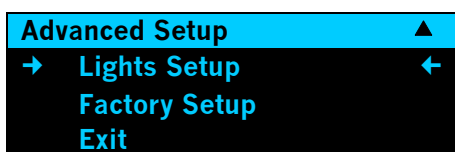
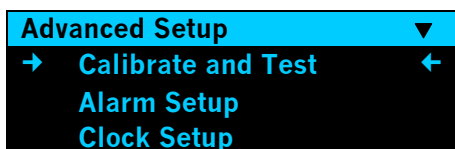
The option is not applicable when the Sensor Controller is plugged-in to the Nursecall callpoint, press the **▶** key to move to the next option.



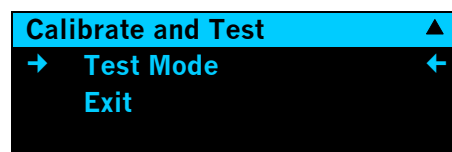
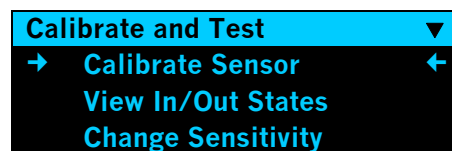
Press **ENTER** to go back to the Main Menu or press the **▶** key to go back to the beginning of the Quick Start Menu.

21. ADVANCED SETUP MODE

From the Main Menu display select **→ Advanced Setup ←** and press the **ENTER** key for the following options;

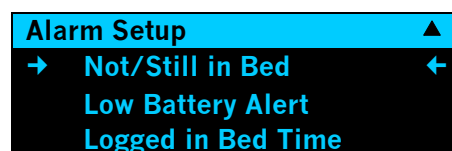
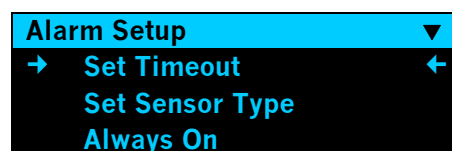


Select **→ Calibrate and Test ←** then press **ENTER**;



Calibrate Sensor – place the bed/chair sensor in position and press **ENTER** to learn the un-occupied weight. **View In/Out States** of each transducer in the bed/chair sensor. **Change Sensitivity** of each transducer (0 = least sensitive to 5 = most sensitive). **Test Mode** – check the client is detected in/out of the bed/chair (see page 13 for details).

From the **Advanced Setup** menu select **→ Alarm Setup ←** then press the **ENTER** key;



Set Timeout (0 to 99 mins) for Absence and Reset; **Absence** = time a person is allowed out of their bed/chair. **Reset** = time a person is allowed to get back into their bed/chair after an "out of bed/chair" alarm has been activated. **Set Sensor Type** as; Standard Bed, Magic Stick Bed, Standard Chair, Magic Stick Chair or Aux. If Aux is chosen then you get the option to change the **Alarm Code** (not applicable for a hardwired product) and the **Countdown** (delay before alarm) 0 to 999 secs. **Always On** – Enable/Disable, if disabled set the Active Periods; **Active Periods 1-3** - set Start/Stop times for up to 3 active periods per day (Note: these repeat every day). **Not/Still in Bed** - Enable/Disable each of these options and set the delay before alarm (0 to 999 mins). **Low Battery Alert** - Enable/Disable the audible beep. **Logged in Bed Time** = time a person must be in their bed/chair before monitoring starts (0 to 999 secs). **Beep When Armed** - Enable/Disable an audible beep when monitoring starts.

21. ADVANCED SETUP MODE - CONTINUED

From the **Advanced Setup** menu select → **Clock Setup** ← then press the **ENTER** key;

Clock Setup ▼		
→	Set Date	01:01:00 ←
	Set Day	Mon
	Set Time	00:00

Clock Setup ▲		
→	Auto BST	✓ ←
	Exit	

Set Date in DD/MM/YY format.

Set Day – Mon to Sun.

Set Time in HH/MM format using 24 hour clock.

Auto-BST use the ▲▼ keys to Enable ✓ or Disable ✕ automatic +/- 1 hour British Summer Time adjustments.

From the **Advanced Setup** menu select → **Lights Setup** ← then press the **ENTER** key;

Lights Setup ▼		
→	Radiplugs Setup	←
	RadiPlugs Address	
	Gadgets Setup	

Lights Setup ▲		
→	Gadgets Address	←
	X10 Setup	
	X10 House Code	

Lights Setup ▲		
→	X10 Lights Off	←
	X10 Light 1 Setup	
	X10 Light 1 Setup	

Lights Setup ▲		
→	Exit	←

Mains lamps can be switched on/off automatically when users get in/out of their bed/chair using "Gadget" mains switchers. For more information on setup see the Gadget Installation Guide: Doc No. FM0671



Note: Radiplugs and X10 are legacy products that are no longer available.

From the **Advanced Setup** menu select → **Factory Setup** ← then press the **ENTER** key;

Factory Setup ▼		
→	Load Defaults	←
	Program ID	
	Register Device	

Factory Setup ▲		
→	I/O Setup	←
	Exit	

Load Defaults and **Apply** to restore factory settings as below;

Date 01:01:00

Time 00:00 with Auto BST on

Sensor type: un-calibrated Standard Bed Sensor

On all the time: No

Active start/stop time periods: all 00:00 (disabled)

Instant alarm: Yes

Delay before Alarm: No

Not in Bed Alarm: No

Still in Bed Alarm: No

Low Battery Beep: Yes

Radiplugs, X10 & Gadgets: all disabled.

Program ID (not applicable).

Register Device (not applicable).

IMPORTANT: the Relay Output must be enabled when connecting an Accessory Lead to a Touchsafe Pro Callpoint...

I/O Setup to choose a Pear Push or a Relay Output.

Use the ▲▼ keys to Disable ✕ a **Pear Push** switch.

When the pear push is disabled you will get the option to set the **Relay On Time** from 0 to 99 seconds.

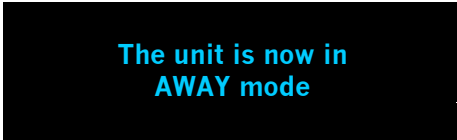
Set this to **4 seconds**. The relay output activates with any alarm – N/O contacts are on the I/O socket pins 1 & 3.

22. HOME/AWAY MODE

If the person is going to be away for more than one day you must select **AWAY MODE** to prevent false “not in bed” alarms.

When the sensor controller is in its normal operating mode the ▲ key is used to toggle between **HOME/AWAY** mode.

Press this key once and the display will show;

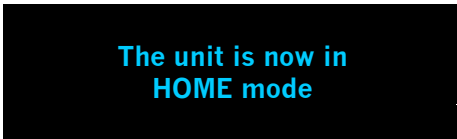


The unit is now in
AWAY mode

After about 10 seconds the display will blank - during this mode no alarm calls will be sent.

REMEMBER: when the person returns the Sensor Controller must be put back into the HOME mode.

Press the **HOME/AWAY** key once and the display will show;



The unit is now in
HOME mode

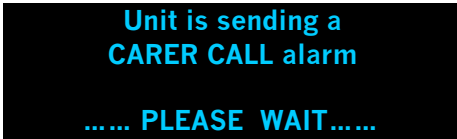
After about 10 seconds the display will blank - normal monitoring is now resumed.

23. CARER CALL FACILITY

The Carer Call facility can be used to raise an instant alarm call via the Nursecall system.

When the Sensor Controller is in its normal operating mode the ▼ key is used to send a **CARER CALL**.

Press this key once and the display will show;



Unit is sending a
CARER CALL alarm
..... PLEASE WAIT.....

After about 10 seconds the display will blank.

24. NURSECALL PANEL DISPLAY

The Sensor Controller will notify an alarm call on the Nursecall system; this will be displayed on the Touchsafe Pro panel like this...



*The screen banner is **yellow** for a bed or chair occupancy alarm.
Touch the banner to display Client Notes.
Press the Accept button on the banner to silence the alarm
and notify all other panels the call is being dealt with.
The screen banner changes to **purple** when a call is accepted.*



If an Accepted call is not cancelled within the preset time it will revert to an active call.



TO CANCEL THE CALL

You must visit the Call Point associated with the alarm and press the **LIGHT GREY** button to cancel the call

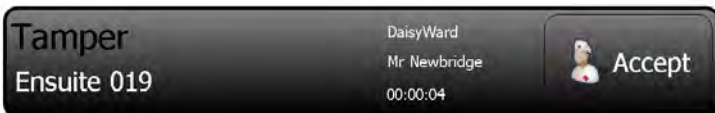


If the unit has a display it will first show "**CALLING - CANCEL**" then "**ACKNOWLEDGED**" when the call has been received and cancelled off the Nursecall panel.

If there is another call waiting (within the same Zone) the details will be displayed, if more than one call is waiting the one with highest priority will be displayed.

TAMPER ALERT^{P2}

If the Sensor Controller is un-plugged from a Call Point the Nursecall panel will display the following...



*The screen banner is **grey** for a Tamper alert.
Touch the banner to display Client Notes.
Press the Accept button on the banner to silence the alarm
and notify all other panels the call is being dealt with.
The screen banner changes to **purple** when a call is accepted.
Press the **LIGHT GREY** button on the Call Point to cancel the call.*

^{P2}*Note: Call Point Tamper alerts can be disabled in the panel setup*



25. REPLACING THE BATTERY

When the Mains Adapter is connected the battery is being charged, if the mains power is disconnected the battery will maintain operation for several hours (depending on usage). NiMH rechargeable batteries will typically last 500-1000 charges, or 2-3 years usage. Ensure the battery is replaced at least every 3 years.



Used batteries must not be disposed of in domestic waste. Do not incinerate or mutilate used batteries, the chemicals released are corrosive and may cause injury to eyes or skin and may be toxic if inhaled.

REMOVING THE BATTERY

Switch off the power and unplug the Mains Adapter.
Slide the cover off the battery compartment on the back of the Sensor Controller.
Unplug the battery from the battery lead.



REPLACEMENT BATTERY

Only replace with the Manufacturer Approved battery; **Ansmann max-e NiMH 8.4V PP3 300mAh**
Do not replace with a non-rechargeable Alkaline 9V PP3 battery

Replacement batteries are available from Aidcall; order part number F00126.

Take care not to damage the battery lead when connecting the new battery – it will only fit one way.

IMPORTANT: always mark the date the battery was replaced for reference on future Service visits.

26. SPECIFICATION

Sensor Controller	
Supply	12V DC Mains Adapter
Power Socket	FCC-68 4/4 RJ11: 12V pin 1 & 0V pin 4
Sensor Socket	FCC-68 8/8 RJ45: 3.3V pin 1, resistive inputs pins 2-7, N/O input pin 8
I/O Socket	FCC-68 6/6 RJ11: N/O relay output pins 1 & 3, TTL RX/TX pins 2 & 5
Relay Output	Clean N/O contacts rated 3A @ 24VDC/120VAC
RF Output	433.92MHz for Gadget Mains Switchers
Display	2.23" Blue OLED (128 x 33 dots)
Audible Alert	Internal 4kHz 80dB Piezo Sounder
Mounting Options	Free standing or bedside mounted in optional Perspex stand
Enclosure Material	Black ABS
Ingress Protection Rating	IP20
Dimensions	190mm x 100mm x 33mm (HxWxD)
Weight	285 grams inc battery

Mains Adapter	
Model No.	UT24-120100-B2
Input Voltage	100-240V AC 50-60Hz
Output Voltage	12V DC
Output Current	1.0A
LED Indicator	Green = supply healthy
Ingress Protection Rating	IP40
Enclosure Material	Black ABS+PC
Dimensions	81mm x 49.5mm x 29mm (HxWxD)
Mains Lead	1.5 metres long with UK mains plug
Low Voltage Lead	1.4 metres long with FCC-68 4/4 RJ11 plug
Weight	245 grams
Relative Humidity	Non-condensing 5% to 90% RH
Operating Temperature Range	10°C to 40°C
CE Approval	EN 60950-1-2
Aidcall Part No.	W00551

Rechargeable Battery	
Model No.	Ansmann 5035451
Voltage	8.4V
Technology	Nickel Metal Hydride (NiMH)
Capacity	300mAh
Size Code	PP3
Aidcall Part No.	F00126

Accessory Lead	
Cable Type	6 Core FCC-68 flat data cable (26 AWG)
Cable Length	2 metres
Connector Type	2 No. FCC-68 6/6 RJ11 data plugs
Pins Connected	1 = N/O alarm, 3 = 0V common, 4 = N/C tamper
Aidcall Part No.	ZNC249