

Call Point V3.00a 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

Touchsafe Pro Call Points require no wiring and are simply attached to the wall. They are battery powered and communicate with the Display Panel(s) via a secure two-way radio transmission. Call Points are available in a number of configurations including standard pushbuttons or pullswitch options and an LCD display. The LCD option provides reassurance that a call is being dealt with and will show details of other calls waiting within the same zone.

An optional Pear Push lead simply plugs into the Call Point and comes with a cradle to safely rest the unit when not in use. Numerous other accessories can be plugged-in to the Call Point to customise the system to specific patient needs.

Battery replacement warnings, tamper alarms and regular polling of radio devices automatically keeps the system functioning properly all of the time.

Antimicrobial

All Touchsafe Pro Call Points are embedded with an antimicrobial agent during manufacture. This prevents the growth of harmful micro-organisms thereby preventing the spread of germs and disease.



V3.00a firmware onwards allows the number of radio hops to be increased from 8 (default) to 12 max on large installations. See pages 12 & 15 for details.

2. IMPORTANT SAFETY INSTRUCTIONS

	Read and understand these instructions before use. Keep these instructions for future reference.
	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 3 x AA Alkaline batteries as indicated on the label. Under no circumstances should this product be powered from another power source.
	Insert batteries in accordance with the polarity symbols inside the battery compartment. Only use manufacturer approved AA Alkaline batteries as identified in this manual.
	Only connect manufacturer approved accessories. Do not push objects of any kind into the accessory sockets as this may result in damage.
	This product should be located at least 2 metres away from other electronic equipment. Failure to provide this separation may result in reduced radio range.
	Do not locate this product above a radiator or other heat source.
	Do not expose to direct sunlight.
	Do not submerge in water and do not use in damp or humid conditions.
	Do not expose this product 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. DO NOT use a wet cloth.
	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. Radio & Telecommunication Terminal Equipment; R&TTE Directive 1999/5/EC Safety of Information Technology Equipment; EN 60950-1:2006+A12:2011 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

For peace of mind and to ensure your system is maintained to the highest standard Aidcall recommend an annual maintenance contract. This will provide vital assistance in times of need from a nationwide team of trained Service Engineers who specialise in wireless Nursecall systems.

A preventative maintenance visit (PMV) is also available from Aidcall, this covers the replacement of all batteries, a full system test, software updates (where applicable) and a Service Certificate.

For more information on Maintenance Contract Packages and PMV's please contact our customer services team on 01670 357431 or visit our website; www.aidcall.co.uk/healthcare/support/maintenance

MONTHLY MAINTENANCE

Call Points and Pear Pushes should be regularly cleaned with anti-bacterial wipes, at the same time they should be checked for signs of external physical damage. Broken or cracked plastic cases can trap dirt and contribute to the spread of germs. Any parts found damaged should be replaced immediately. Products needing repair can be returned via the website; www.aidcall.co.uk/healthcare/support/repair

ANNUAL MAINTENANCE

Although Call Point batteries are monitored and a poor state of charge is reported automatically it is best practice to replace all batteries every 3 years. See section 17 for the correct type of batteries to be used. At the same time a test call should be made to confirm the batteries have been fitted correctly and that the Call Point is communicating correctly with the rest of the system.

5. CALL POINT OPTIONS

There are 6 different models of Touchsafe Pro Call Point, all fit the same mounting bracket and they can be mixed in any combination on the same installation.

Description	Part No.
Touchsafe Pro Call Point	ZNC610
Touchsafe Pro Call Point & Red Emergency Pull-Switch	ZNC615
Touchsafe Pro Call Point & Blue Cardiac Pull-Switch	ZNC620
Touchsafe Pro Call Point with Display	ZNC625
Touchsafe Pro Call Point with Display & Red Emergency Pull-Switch	ZNC630
Touchsafe Pro Call Point with Display & Blue Cardiac Pull-Switch	ZNC635

All Touchsafe Pro Call Points come complete with a wall mounting bracket, an integral 1.3 metre orange alarm pullcord with 2 triangular grips and 3 x AA Alkaline batteries (pre-fitted).

ZNC610 – Standard Call Point



ZNC625 – Call Point with Display



ZNC630 – Call Point with Display and Red Emergency Pull-Switch



ZNC635 – Call Point with Display and Blue Cardiac Pull-Switch

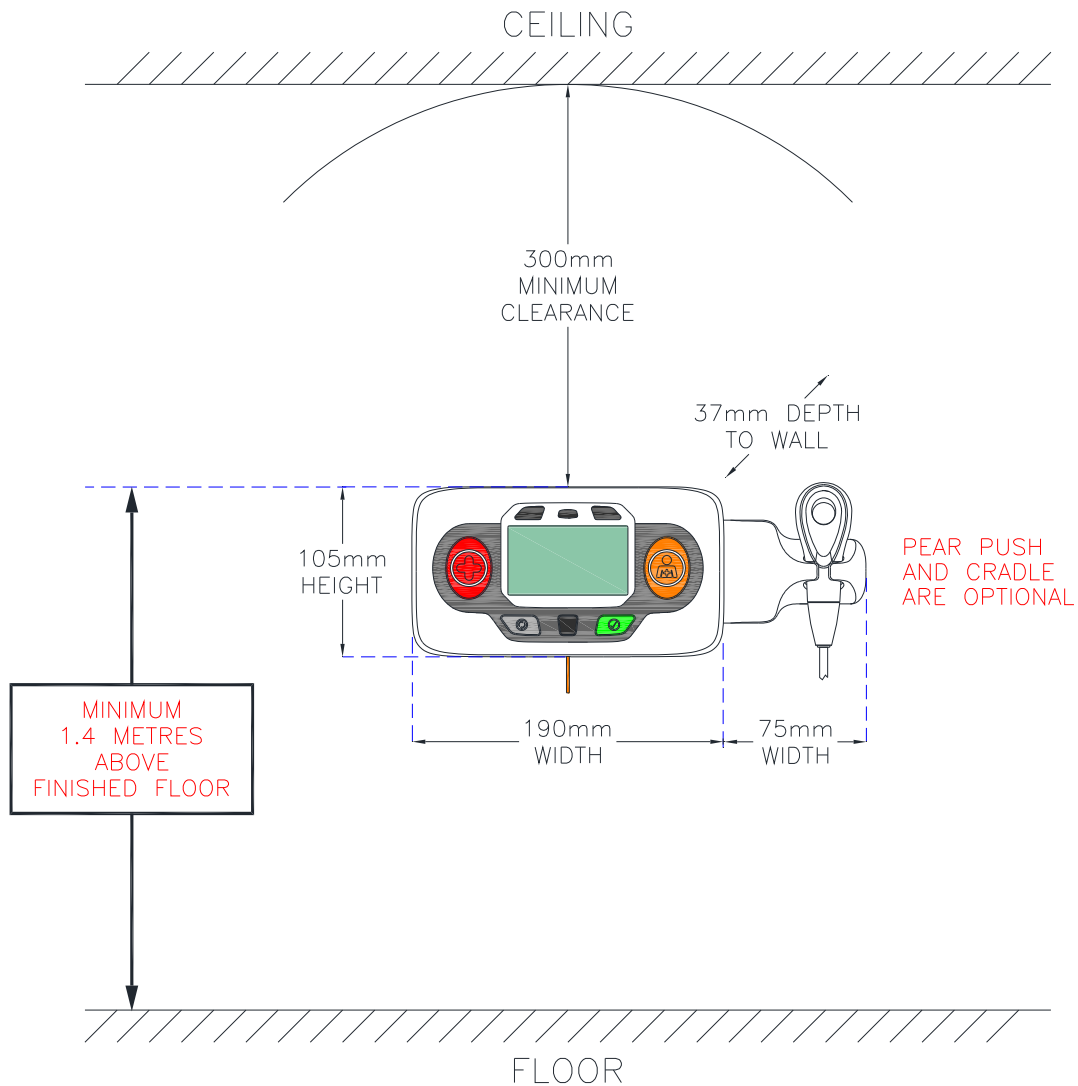


The orange alarm pull cord can be simply cut-off during installation if not required. The orange button on the keypad initiates the same alarm call type as the orange cord.

6. CALL POINT FIXING HEIGHT

The mounting bracket should be securely screw-fixed to the wall so the top of the Call Points is a minimum of 1.4 metres above floor level.

If the Call Point is being installed at high-level then there should be at least 300mm clearance between the top of the Call Point and the ceiling.



IMPORTANT: AVOID LOCATING THE CALL POINT...



WITHIN 2 METRES OF
OTHER ELECTRONIC
EQUIPMENT



DIRECTLY ABOVE
A HEATER



IN DIRECT SUNLIGHT



NEAR TO
SPLASHING WATER

7. FITTING THE WALL MOUNTING BRACKET

Choose the best position for the Call Point and ensure the wall surface is flat and smooth.

Note: if the wall bracket is twisted it may prevent the Call Point from fitting correctly.



*Do not fit the Call Point directly above a radiator or other heat source, near to splashing water, in direct sunlight or within 2 metres of other electronic equipment.
See section 6 for the preferred fixing height.*

It is recommended that 4 screw fixings are used through holes “A” (75mm x 50mm centres).

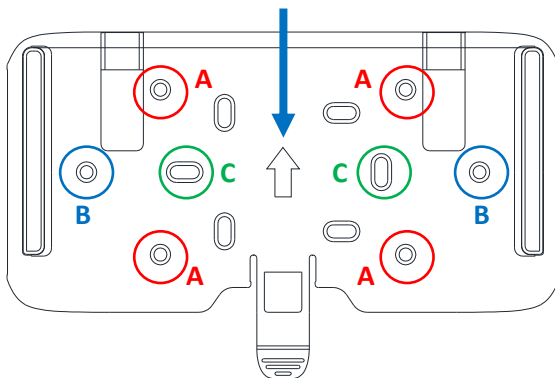
IMPORTANT: use No.6 x 1 ¼” (3.5 x 30mm) countersunk head Pozi screws.

If other screws are used ensure the head is no greater than 6.8mm in diameter.

Use No. 6 Pozi's



**FIX BRACKET WITH THIS
ARROW POINTING UP**



Alternative Fixings

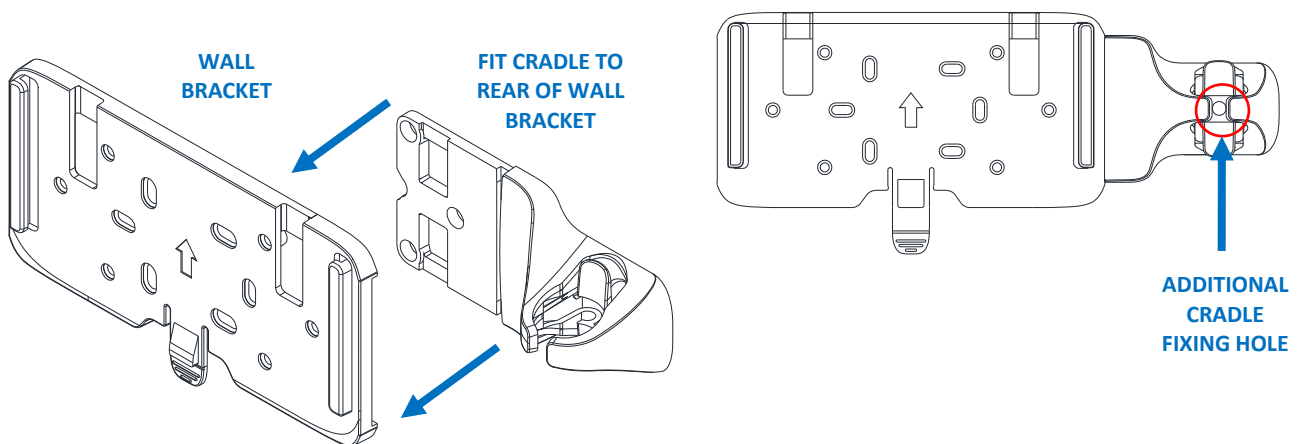
Holes “B” are for an embedded double gang pattress box.

Holes “C” are for an embedded single gang pattress box.

Standard M3.5 pattress screws should be used for the above.

OPTIONAL PEAR PUSH KIT

If an optional Pear Push Kit is being installed then the cradle part must be fitted into place on the rear of the wall mounting bracket before it is fixed to the wall.



The cradle part is normally fitted on the right hand side as shown above, however it can be fitted on the left hand side if desired.

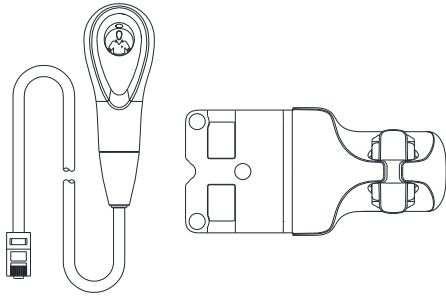
An additional screw fixing hole is available in the centre of the cradle part – remove the small plastic insert for access if required. Refit the insert to hide the screw head.

8. FITTING AN OPTIONAL PEAR PUSH KIT

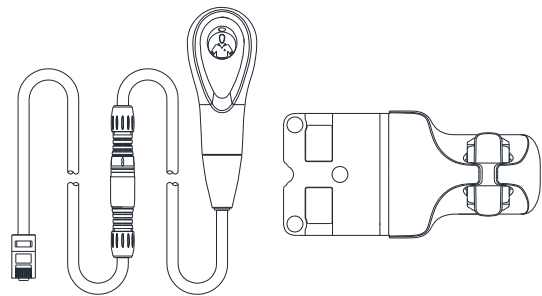
The optional Pear Push and Cradle is supplied as a separate kit. 2 different kits are available; with and without a safety break in the Pear Push lead. Either kit can be fitted to any of the Call Point models.

Description	Part No.
Touchsafe Pro Pear Push Kit	E50310
Touchsafe Pro Pear Push plus Safety Break Kit	E50315

E50310 Standard Pear Push Kit



E50315 Pear Push plus Safety Break Kit



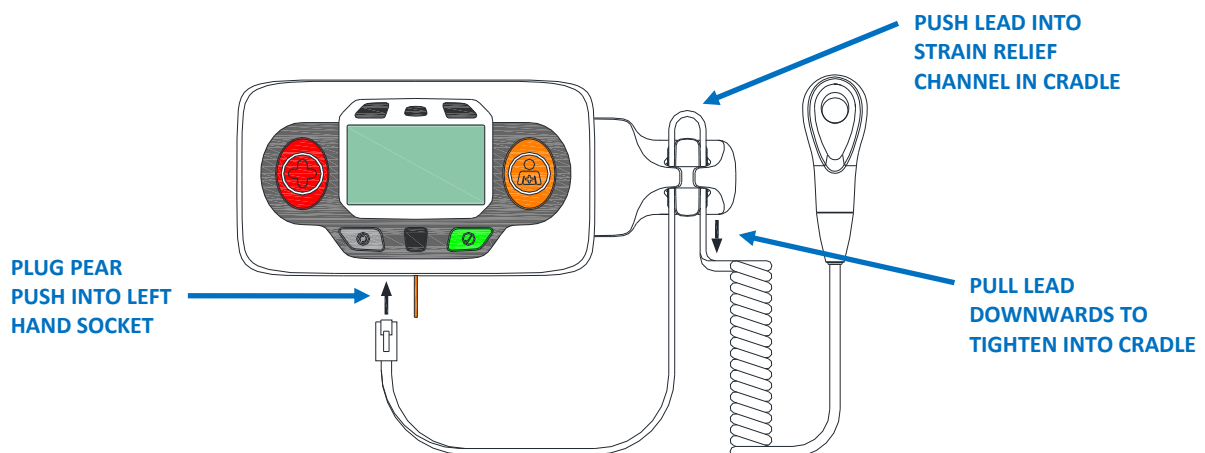
Both Pear Pushes have a single call button, a red reassurance LED indicator and a 2 metre lead. The model with a Safety Break has an in-line plug and socket, should excessive force be applied this will come apart to prevent damage to the lead. An “un-plugged” alarm will be reported on the Nursecall system. The plug and socket can simply be re-connected to resume normal operation.

CONNECTING THE PEAR PUSH

The cradle part must be fitted behind the Call Point wall bracket before it is screw-fixed to the wall – see details on previous page.

Plug the Pear Push lead into the left-hand socket on the lower face of the Call Point, the plug only goes in one way and it will click into place when inserted correctly. To remove; push down on the clear plastic lever and pull the plug out.

Leave a short loop on the wire then push it into the strain relief channel on the cradle – see below;

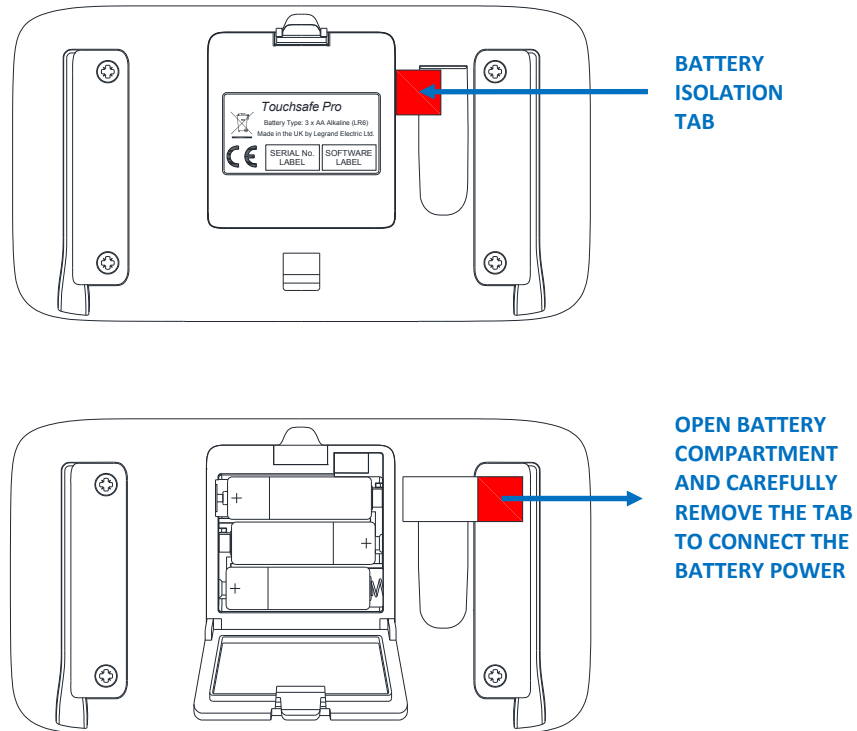


Pull the lead downwards so the wire fits tightly around the cradle strain relief. Place the Pear Push in the cradle.

9. REMOVING THE BATTERY ISOLATION TAB

Before fitting the Call Point for the first time on a new installation the battery isolation tab must be removed to connect the battery power.

Push the release tab and slide the Call Point off its wall mounting bracket, the red battery isolation tab will be visible out the side of the battery compartment, see below...



Clip the battery compartment lid closed again.

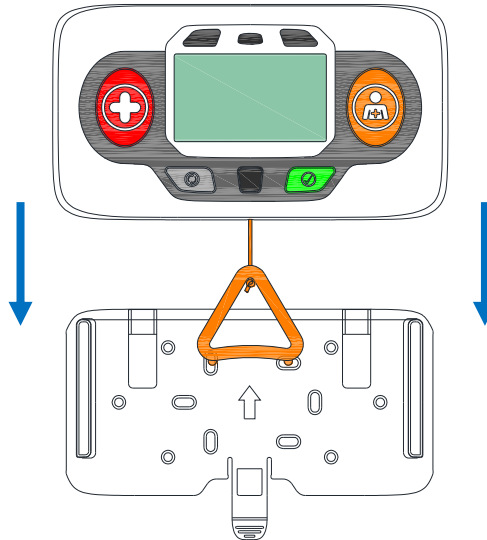
10. FITTING THE CALL POINT ON THE WALL BRACKET

Ensure the battery isolation tab is removed and/or the batteries are inserted correctly before fitting the Call Point on to its wall bracket.

Hold the Call Point above the wall bracket and line-up the 2 slots in the rear face with 2 rails on wall bracket and slide downwards into place.

The Call Point should “click” onto the release tab when fitted correctly.

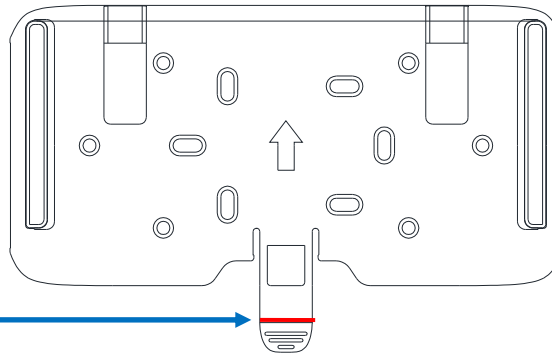
Slide the Call Point downwards onto the wall bracket until it “clicks” into place.



ANTI-TAMPER OPTION

If you want to prevent the Call Point from being easily removed by hand the release tab can be cut-off along the groove shown here.

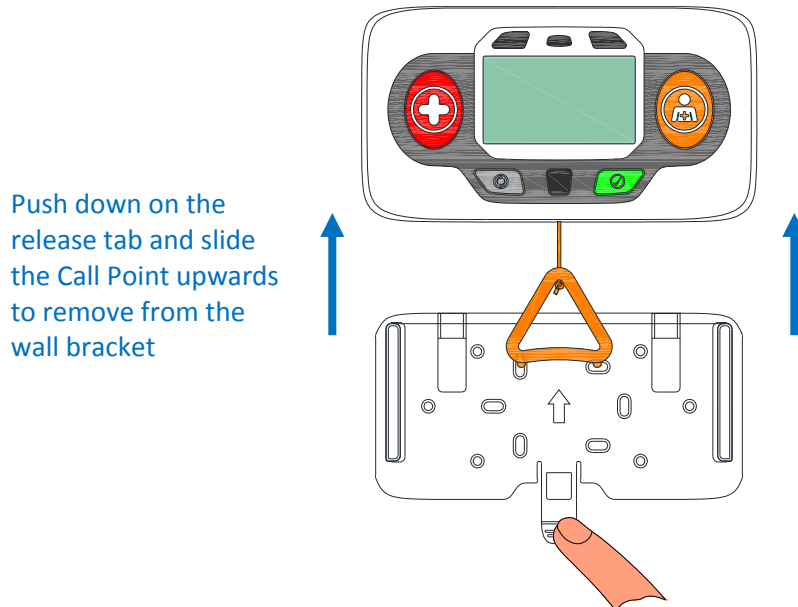
Cut here for anti-tamper release tab



If the release tab is cut-off ensure there are no sharp edges that could cause injury on future service visits.

11. REMOVING THE CALL POINT FROM THE WALL BRACKET

To remove the Call Point from the wall bracket simply press down on the release tab with a finger and at the same time slide the Call Point upwards and off the wall bracket. *Don't forget to unplug the Pear Push or any other Accessory Leads from the sockets before removal.*



A "Call Point Removed" alert will normally be signalled on the Nursecall Panel. However, this alert can be disabled globally via the "Panel Settings" option on the Master Panel.

ANTI-TAMPER OPTION

If the Call Point has had the release tab cut-off use a flat bladed screw driver to release instead of a finger.

12. CALL POINT FEATURES

The key features of the Call Point are identified below;



Rd Note: the red Emergency button is replaced by a red emergency pull-switch on ZNC615 & ZNC630 models or a blue Cardiac pull-switch on ZNC620 & ZNC635 models.



Refer to the *Touchsafe Pro Call Point User Guide (Aidcall Doc No. FM5515)* for details on the button functions and how the unit operates

13. PROGRAMMING OVERVIEW

Before the Call Points are programmed and registered onto the Nursecall system the Master Panel must first be setup with the full range of House Codes and Unit ID's being assigned. The Preamble ID and PAN ID (Personal Area Network) must also be setup first via DIL switches on the panel RFE's and remote RFE's.

Preamble ID – this is a number (0 - 7) to identify the site. *Separate sites with independent systems that are within radio range of each other should be set with different Preambles.*

PAN ID – this is a number (0 - 31) to identify separate Networks on the same site. *Separate buildings or wards on the same system can be set on different Networks.*

House Code – this is a number (0 - 999) to identify individual units within the same room/ward with the same unit ID. *Multiple Call Points with the same Unit ID can be identified with different House Codes.*

Unit ID – this is a number (0 - 999) to identify a room/ward. *Each room/ward may have multiple Call Points with the same Unit ID but uniquely identified by different House Codes.*

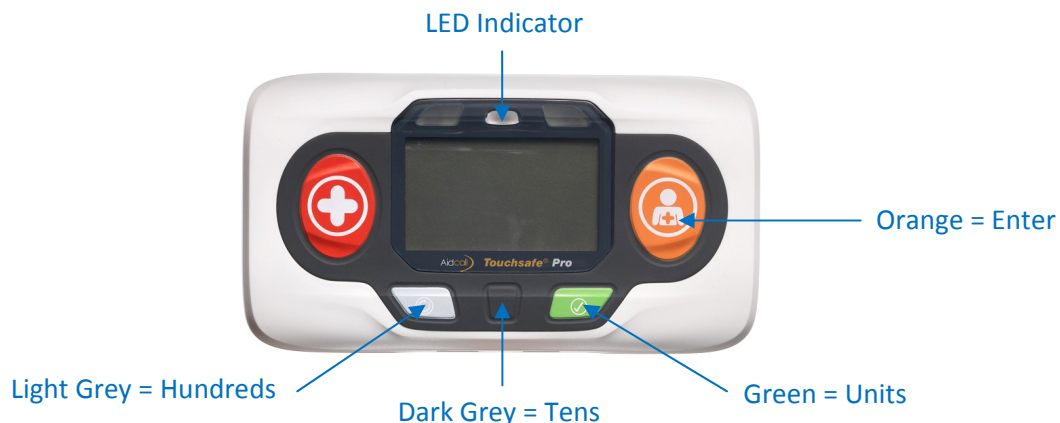
Unit Configuration – this allows the call type, operating mode and interface mode to be set on each unit.

Hardwired Inputs – this allows up to 5 clean contact inputs to be uniquely configured on each unit. *These are connected using an accessory lead to the lower right hand socket.*

Number of Hops – this is the maximum number of hops the radio signal needs to make from the Call Point, through the most direct route of RFE's back to the Master Panel. *Default is 8 Hops; this can be increased to a maximum of 12 on large installations.*

14. PROGRAMMING

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

ENTER PROGRAM MODE

1. Open the 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. If the unit has a display it will show "**Program Preamble ID**".

PROGRAM PREAMBLE ID

1. Enter the required **Preamble ID** using the **GREEN** button; e.g. for Preamble ID 3 you would press the **GREEN** button three times. The Preamble ID can be 0 – 7. This must match the RFE DIL switches 6 to 8.
2. Press the **ORANGE** button to confirm; the LED will then continue **FLASH GREEN** but at a faster pace and if the unit has a display it will show "**Program PAN ID**".

PROGRAM PAN ID

1. Enter the required **PAN ID** using the **DARK GREY** button for **TENS** and the **GREEN** button for **UNITS** e.g. for PAN ID 23 you would press the **DARK GREY TENS** button two times and the **GREEN UNITS** button three times. The PAN ID can be 0 – 31. This must match the RFE DIL switches 1 to 5.
2. Press the **ORANGE** button to confirm; the LED will start to slowly **FLASH AMBER** and if the unit has a display it will show "**Program House Code**".

PROGRAM HOUSE CODE

1. Enter the required **House Code** using the **LIGHT GREY** button for **HUNDREDS**, the **DARK GREY** button for **TENS** and the **GREEN** button for **UNITS** e.g. for House Code 123 you would press the **LIGHT GREY HUNDREDS** button once, the **DARK GREY TENS** button twice and the **GREEN UNITS** button three times. The House Code can be 1 – 999.
2. Press the **ORANGE** button to confirm; the LED will start continue to **FLASH AMBER** but at a faster pace and if the unit has a display it will show "**Program Unit ID**".

14. PROGRAMMING

PROGRAM UNIT ID

1. Enter the required **Unit ID** by using the **LIGHT GREY** button for **HUNDREDS**, the **DARK GREY** button for **TENS** and the **GREEN** button for **UNITS** e.g. for Unit ID 456 you would press the **LIGHT GREY HUNDREDS** button four times, the **DARK GREY TENS** button five times and the **GREEN UNITS** button six times.
The Unit ID can be 1 – 999.
2. Press the **ORANGE** button to confirm; the LED will start continue to **FLASH AMBER** but at a faster pace and if the unit has a display it will show “**Program Config**”.

PROGRAM UNIT CONFIGURATION

1. Select the **ORANGE** button **Call Type** using the **LIGHT GREY** button as below;

No. of LIGHT GREY button presses	Call Type
1	Call (default)
2	Assistance
3	Emergency
4	Cardiac
5	Help
6	WC



2. Select the **Operating Mode** using the **DARK GREY** button as below;

No. of DARK GREY button presses	Operating Mode
1	Nurse Present (default)
2	Nurse Call
3	Warden Call
4	Auto Cancel
5	Cardiac Mode
6	Attack Mode



Nurse Present Mode - calls have to be cancelled at source, the reassurance (if enabled) will sound for 1 hour max. The **Green** button sends a Nurse Present event, the **Orange** button will send an Assistance event if pressed after the Nurse Present. The **Red/Blue** button will send an Emergency event.

Nursecall Mode - calls have to be cancelled at source, the reassurance (if enabled) will sound for 1 hour max. The **Green** button sends an Assistance event and the **Red/Blue** button will send an Emergency event.

Warden Call Mode - calls can be cancelled on the Nursecall panel, the reassurance (if enabled) will sound for 30 secs max. The **Green** button sends an Assistance event and the **Red/Blue** button will send an Emergency event.

Auto Cancel Mode – the unit will automatically send a cancel event 2 minutes after any other event. The reassurance (if enabled) will sound for 2 mins max. The **Green** button sends an Assistance event and the **Red/Blue** button will send an Emergency event.

Cardiac Mode - calls have to be cancelled at source, the reassurance (if enabled) will sound for 1 hour max. The **Green** button sends a Nurse Present event, the **Orange** button will send an Assistance event if pressed after the Nurse Present. The **Red/Blue** button will send a Cardiac event.

Attack Mode - calls can only be cancelled by an IR Buddy, the reassurance, keypad, pullcord, pear push and auxiliary inputs are all disabled, the IR receivers are enabled.

Note: the **Orange** button and pull cord will send a Call event in all modes except Attack Mode.

14. PROGRAMMING

3. Select the **Interface Mode** using the **GREEN** button as below;

No. of GREEN button presses	Interface Mode		
	Reassurance	IR Receiver	Bed Status
1	On	Off	Off
2	On (default)	On (default)	Off (default)
3	Off	On	Off
4	Off	Off	Off
5	On	Off	On
6	On	On	On
7	Off	On	On
8	Off	Off	On



Reassurance is the internal beeper

IR Receiver is used for an Aidcall Buddy

Bed Status is an optional feature on Call Points with display only. *If set "On" the Rear Aux Socket Accessory Input will be disabled.*

4. Press the **ORANGE** button to confirm; the LED will continue to **FLASH AMBER** but at a faster pace and if the unit has a display it will show "Program Input 1".

PROGRAM HARDWIRED INPUT 1

- Enter the required **Event Code** as per the table below by using the **LIGHT GREY** button for **HUNDREDS**, the **DARK GREY** button for **TENS** and the **GREEN** button for **UNITS** e.g. for Flood event you would press the **DARK GREY TENS** button eight times.
- Press the **ORANGE** button to confirm; the LED will continue to **FLASH AMBER** but at a faster pace and if the unit has a display it will show "Program Input 2".

Event Type	Code
Call	1 (I/P 1 DEF)
Assistance	2 (I/P 2 DEF)
Emergency	3 (I/P 4 DEF)
Cardiac	4
Nurse Present	5
Help	6
Pull Cord	12
Cancel	14 (I/P 5 DEF)
Tamper	15 (I/P 3 DEF)
Pear Push 1/2	17/18
Accessory Call	19

Event Type	Code
Inactivity	30
Pill Dispenser	31
Enuresis	32
Bed Occupancy	33
Wandering 1/2	34/35
Epilepsy	36
Bathroom Occ	37
Chair Occ	38
High Temp	41
Low Temp	42

Event Type	Code
Smoke	43
Natural Gas	44
Fire	46
Heat	48
CO	49
Intruder	50
Flood	80
Doorbell	83
Medication	84
WC	139

PROGRAM HARDWIRED INPUTS 2/3/4/5

Repeat the same as Hardwired Input 1 for inputs 2 to 5, if not required press the **ORANGE** button to skip.

PROGRAM NUMBER OF HOPS

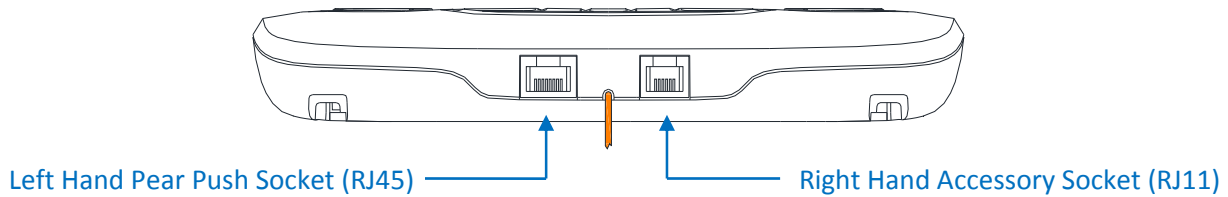
- Increment the Number of Hops using the **UNITS** button; press once for 9 hops, twice for 10, three times for 11 or four times for 12 hops. Any further button presses are ignored, if the **UNITS** button is not pressed the previous setting (or default) is retained.
- Press the **ENTER** button to confirm and programming is complete.

EXIT PROGRAM MODE

Once the Number of Hops has been set the unit will beep three times and exit Program Mode. If no button is pressed for 10 seconds it will exit Program Mode automatically.

15. PEAR PUSH & ACCESSORY SOCKETS

The Call Point has 2 sockets on the lower face;



These sockets are different types so it is impossible to plug the wrong device into the wrong socket

LEFT HAND PEAR PUSH SOCKET

This is used to connect an optional Pear Push, there are 3 different models available;

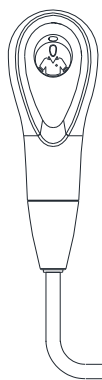
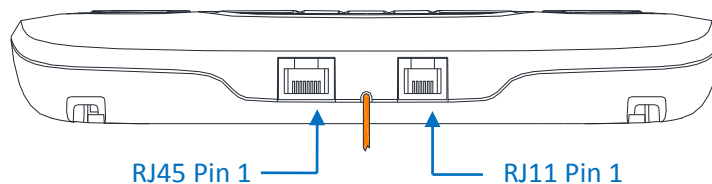
1. Standard 2 metre lead with call button and LED reassurance
2. As above but with an additional plug/socket safety-break in the lead
3. As above but with a second "light" button to control an over bed lamp

See section 17 for details of all options available.

RIGHT HAND ACCESSORY SOCKET

This is used to connect an optional Accessory Kit or an Accessory Lead. The accessory lead can be used to connect up to 5 other input devices (with N/O clean contacts) to activate an alarm call. See section 17 for details of all options available.

PIN-OUTS



Pin No.	Function
1	0V (Not Connected)
2	Call
3	LED
4	3V
5	Tamper
6	Rear Socket Pin 5
7	Rear Socket Pin 6
8	MCLR (Not Connected)

Pin No.	Wire Colour	Function	Default
1	Blue	Input 1	Call
2	Yellow	Input 2	Assistance
3	Green	Common	-
4	Red	Input 3	Tamper
5	Black	Input 4	Emergency
6	White	Input 5	Cancel

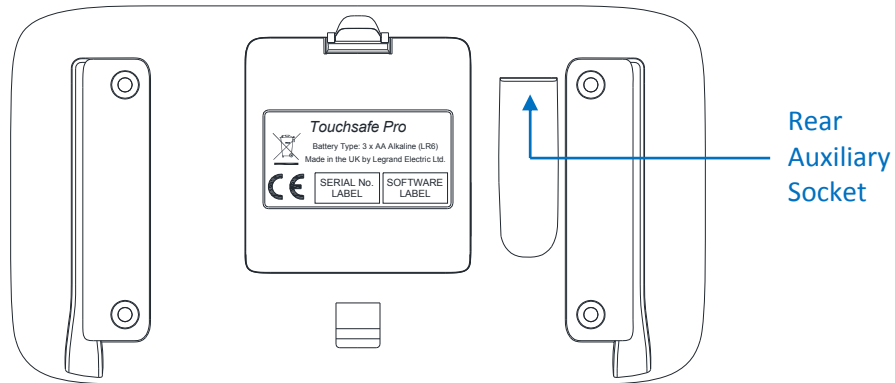
6 Core Accessory Lead



Any devices connected to the hardwired inputs must have a normally open clean contact output that closes on alarm.

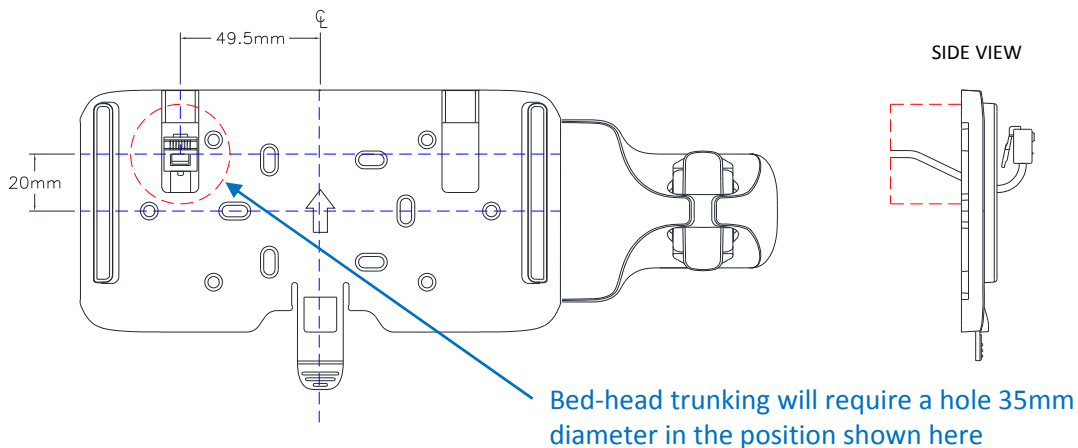
16. AUXILIARY SOCKET

The Call Point has a hidden auxiliary socket on the rear face;



REAR AUXILIARY SOCKET (8/8 RJ45)

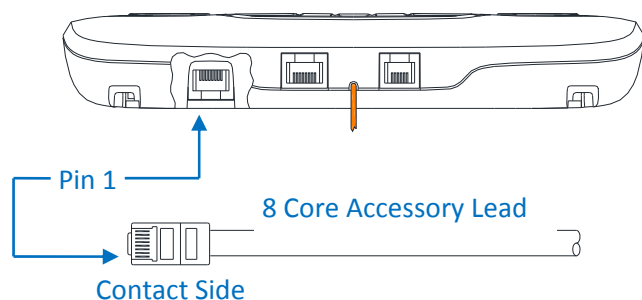
The rear socket is normally only used with a mains on/off switcher or a mains dimmer switch kit. It can only be accessed by a cable entering the wall bracket from behind the unit, *i.e. a surface clipped cable cannot be connected*. If the Call Point is being fitted on a wall then a flush 2 gang pattress box should be used, if it's being fitted on bed-head trunking then a 35mm diameter hole will be required, see details of the hole centre below;



If either of the above mounting solutions is not possible then a 2 gang surface backbox can be used. Aidcall P/No. O15025 2 Gang Trunking Mounting Frame/20mm Spacer is recommended.

8/8 RJ45 REAR AUXILIARY SOCKET PIN-OUT

Pin No.	Wire Colour	Function
1	Blue	0V
2	Orange	RX (Not Connected)
3	Black	Accessory Input*
4	Red	0V
5	Green	Left Hand Socket Pin 6
6	Yellow	Left Hand Socket Pin 7
7	Brown	TX (Not Connected)
8	Grey	4.5V DC



***Note: the Accessory Input will be disabled if the Bed Status feature is ON in the Interface Mode setup.**

17. REPLACING THE BATTERIES

When the Call Point batteries are running low; a “Device Status” alarm will be displayed on the Nursecall Panel to indicate where the Call Point is located.



Always replace the batteries within **72 hours** of a low battery warning. If the warning changes to **CRITICAL** replace the batteries **IMMEDIATELY**.

On Call Points with a display the battery status will be shown in the top left hand corner during a call;



Full Charge



OK



Getting Low



Critically Low

To replace the batteries remove the Call Point from the wall bracket by pushing down on the release tab and sliding the unit upwards – see section 11 for more details.

Open the battery compartment on the rear of the Call Point and remove all 3 batteries.



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.

Replace all 3 batteries together; never mix used and new batteries.

Only replace with Manufacturer Approved battery type:

Energizer Industrial 1.5V AA (LR6) Alkaline

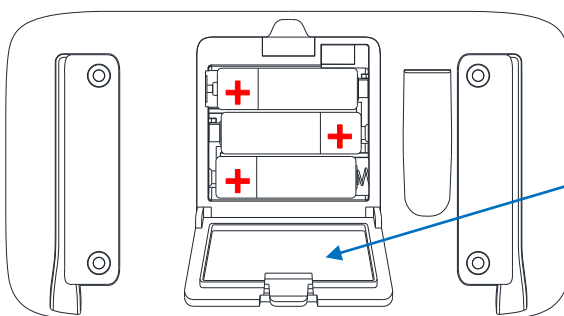
Replacement batteries are available from Aidcall; order Part No. F00614



Observe the battery polarity markings inside the battery compartment.

Take care not to damage the battery contacts when removing or inserting batteries.

IMPORTANT: always mark the unit inside the battery flap with the date the batteries were replaced for reference on future Service visits.



Remove the Call Point from the wall bracket and open the battery compartment on the rear to access the batteries

Once fitted, close the battery compartment lid and refit the Call Point onto the wall bracket. Always perform a test call to check operation after the batteries have been replaced.



Call Point programming is retained when the batteries are removed/replaced

18. OPTIONAL ACCESSORIES

The accessories listed below can be used with any model of Touchsafe Pro Call Point. For more information please contact Aidcall Customer Services on 01670 357431.

PEAR PUSH KITS (including cradle)

Description	Part No.
Touchsafe Pro Pear Push Kit	E50310
Touchsafe Pro Pear Push plus Safety Break Kit	E50315
Touchsafe Pro 2 Button Pear Push plus Safety Break Kit	E50316

PEAR PUSH SPARES

Description	Part No.
Touchsafe Pro Pear Push	ZNC680
Touchsafe Pro Pear Push plus Safety Break	ZNC685
Touchsafe Pro 2 Button Pear Push plus Safety Break	ZNC690
Touchsafe Pro Pear Push Cradle	E50260
Linen Clip	W07495
RJ45 Pear Push Socket Double Adapter	P10285

ACCESSORY KITS

Description	Part No.
Touchsafe Pro Mains On/Off Switching Kit	E50311
Touchsafe Pro Mains Dimmer Switching Kit	E50312
Touchsafe Pro Activity Monitoring Kit	E50313
Touchsafe Pro Bed Epilepsy Kit	E50314
Touchsafe Pro Door Bell Interface	E40053
2 Gang Trunking Mounting Frame/20mm Spacer	O15025

ACCESSORY LEADS

Description	Part No.
RJ11 6 Core Accessory Lead (600mm long)	ZNC240
RJ11 6 Core Accessory Lead (2m long)	ZNC241
RJ45 8 Core Accessory Lead (600mm long)	ZNC242
RJ45 8 Core Accessory Lead (2m long)	ZNC243
RJ11 Accessory Lead with 6.35mm Jack Socket (2m long)	ZNC220
RJ11 Accessory Lead with 6.35mm Jack Plug (2m long)	ZNC244
RJ11 Accessory Lead with 3.5mm Jack Plug (2m long)	ZNC245
RJ11 Accessory Lead with 3.5mm Jack Socket (2m long)	ZNC246
RJ11 Accessory Socket Double Adapter (RJ11)	P10290

ZNC220/244/245/246 are connected as input 1 (Call) but can be changed in programming – see page 15

19. SPECIFICATION

Safety	Compliance to EN 60950-1:2006+A12:2011
EMC	Compliance to EMC 2004/108/EC
Radio	Compliance to EU Directive R&TTE 1999/5/EC
Materials	Compliance to EU Directive RoHS 2011/65/EU
Design	Compliance to Department of Health's guidelines HTM 08-03
Radio Frequency	868MHz Mesh Network (30 x 200kHz Channels)
Radio Range	80 to 100 Metres Typical (indoor)
No. of Radio Hops	8 (default), Programmable to 12 Max
No. of PAN ID's	32
No. of Preamble ID's	8
No. of House Codes	999
No. of Unit ID's	999
Pushbuttons	Call, Nurse Present, Emergency, Cancel & Bed Status (optional feature)
Alarm Cord	1.3 metres orange Antimicrobial Polypropylene
Alarm Cord Grips	2 No. orange Antimicrobial ABS triangular grips
Pear Push Socket	8/8 RJ45 socket (LHS lower face)
Accessory Socket	6/6 RJ11 socket (RHS lower face) used for hardwired inputs
Auxiliary Socket	8/8 RJ45 socket (rear face) used for mains switcher/dimmer
Hardwired Inputs	5 (fully programmable call types)
Visual Indicator	Tricolour LED; Red = Call (Green & Amber used during Program Mode)
Audible Reassurance	2kHz Piezo 70dB @ 10cm (can be disabled)
Infra-Red Receiver	2 No. I/R LED's for optional Aidcall Buddy
Display	LCD mono graphic 128 x 64
Enclosure Material	Antimicrobial Polycarbonate (RAL 9003)
Lens Material	Antimicrobial PMMA
Keypad Material	Antimicrobial Silicon
Keypad Print	White (luminous call legend)
Flammability Rating	HB75
Ingress Protection Rating	IP20
Battery Type	3 No. Energizer Industrial AA 1.5V Alkaline (LR6)
Power Supply	4.5V
Battery Life	3 Years Typical (based on 5 calls and 5 cancels per day)
Dimensions	105mm x 190mm x 37mm (HxWxD) on wall bracket
Weight	468 grams (including LCD, batteries, alarm cord and wall bracket)
Relative Humidity	Non-condensing
Operating Humidity Range	10% to 90% RH
Operating Temperature Range	0°C to 50°C
Storage Temperature Range	-20°C to 60°C