Proxi-Mate Nurse Call—User Instructions (ver 1.0 Jan 2013)

These instructions include important safety information

The Proxi-Mate Nurse Call system is designed to be used with any of the range of Proxi-Mate sensors . The system can be connected to an existing Nurse Call system and can be configured to replicate the action of a patient / resident pressing the call bell.

Once connected, the Nurse Call unit monitors the sensor and activates the call system once the person attempts to mobilise unsupervised.

The system is very simple to install and use and can be configured to give a different call pattern when a sensor is activated, as opposed to the call pendant being pressed.

In most cases the Proxi-Mate Nurse Call system can be plugged directly into an existing nurse call point, however, the system can be configured to work with many different types of call systems—see 'Configuring a Nurse Call Interface'.

To use the system, screw the mounting bracket to the wall near an appropriate nurse call point or hang the unit on the head or foot board of the bed, using the wire basket (available from your supplier), clip the Proxi-Mate control box to the bracket and plug in the supplied charger. If there is no display visible, press the *on/off* button. If there is still no display the batteries may be flat and will need a few minutes to charge. (note: if the batteries have been left flat for some time it may take several minutes for the display to appear)

Connect the chosen sensor to the sensor terminal, using the cable supplied. Tighten the screws to ensure the connection is secure.

Once the resident / patient is settled, simply press the '*On / Off*' button to arm the system. Should the resident / patient mobilise for longer than the set delay time, the system will activate the nurse call system it is connected to.

PLEASE READ ALL INSTRUCTIONS PRIOR TO USE

Battery Charging—the Proxi-Mate Nurse Call Unit has 2 internal NiMH rechargeable cells. The charging function is fully automatic and the charger supplied should be left connected and **switched on at all times**.

The Batteries are intended as a backup power supply should the main supply fail, however, there is sufficient power for the unit to run for some hours independently from the power supply. The battery life is dependent on many factors, including the number and duration of alarm evens. In the standard operating mode, the unit will run for several days without the need to charge.

Once the batteries start to run low an indicator icon will appear in the bottom right hand corner of the display. Once this icon appears the unit should be put on charge.

Please **DO NOT turn the charger on and off**—**it is safe and desirabl**e to leave it connected and turned on at all times.

When the unit is charging another icon will appear on the display—this will appear and disappear from time to time as the automatic charging function monitors the batteries. It is normal for the unit to become warm when charging and this does not indicate a fault.

From flat, the batteries can be charged in around 4 hours. Please DO NOT use any other charger than that supplied with your unit.

The Nickel Metal Hydride Cells will tolerate approximately 500 charge / discharge cycles. This equates to a total expected life of approximately 2 years (depending on the circumstances in which they are used).

Should the cells ever need replacing please contact your supplier. **NEVER** fit standard AA cells (non rechargeable or Nickel Cadmium type) - Also never mix Nickel Cadmium, Nickel Metal Hydride or any Primary battery (Carbon or Alkaline) - If these guidelines are not carefully followed then there is a risk of battery leakage and subsequent damage to the PCB—Such damage is **NOT COVERED BY WARRANTY.**

In addition, use of incorrect batteries or incorrect battery charging could lead to battery outgassing and subsequent personal injury. Do not remove the rear cover of the unit unless qualified to do so.

If batteries are replaced please dispose of or recycle exhausted cells in an approved manner.

Note: From flat, the unit can take several minutes to charge sufficiently to startup. This does not indicate a fault.

Menu Options

The Proxi-Mate Nurse Call unit has a number of user configurable options. All of these options are available from the passcode protected menu system. Some options, such as the 'local alarm' function are available from the 'soft' menu without the need for a passcode.

Current menu options are listed below.

The Proxi-Mate Nurse Call system has a 4000 'event' memory. This means that the system will record system activity each time something is changed. So, it will record the date and time the '*on / off*' button is pressed, the date and time of an alarm and the time taken to respond to the alarm. Only the previous 100 events are available from the menu system—access to the remaining log file requires the use of a Proxi-Mate Data Logger accessory (currently under development).

'*menu/ esc*'

Pressing the '*menu / esc*' button brings up the passcode screen—the passcode is a 3 digit number that is entered by pressing the '*up*' or '*dn'* buttons to increment or decrement the number on the screen. Once the correct number is shown then press '*enter*' to access the menu. Note: entering 3 incorrect passcodes will generate a 'tamper' entry in the logfile and show ********TAMPER******** on the screen for a few moments. Other than recording the event in the logfile, this does not affect the function of the system.

If no buttons are pressed for 30 seconds, the system exits the menu option and returns to the main screen.

'**Delay Sound**' - This is the period between the monitored individual activating the sensor and the alarm being raised (user settable period between 0 and 10 minutes) - This can be set to 'off'', 'chirp' or 'loud'. When off, no sound is heard, chirp is a brief 'beep' every second and 'loud' is a 1hz 50% duty cycle alarm.

'**Alarm Sound**' - As above—select the most suitable local alarm. Day staff may prefer the unit to alarm loudly while night staff may prefer to use only the nurse call system so as not to disturb other people in the event of an alarm.

'**Delay (0– to minutes)**' This is the period between the sensor being activated and the alarm being raised. The default is 3 seconds (generally found to reduce false alarms) but any period up to 10 minutes can be used—this can be used where an individual is free to get up to the toilet for example but should be back in bed inside the time limit.

'**Set Date and Time**' Set the current date and time in the same manner as a digital clock. The clock function has an additional backup battery which will hold the date and time for some hours after the main batteries go flat.

'**Confirm Chg Pwd?**' **(No)** - Press '*enter*' to skip this option or use the '*up*' or '*dn*' buttons to change the 'No' to 'Yes' and press '*enter*' if you wish to change the passcode. If the passcode is changed the change will be recorded in the event log. Any further access to the menu will require the new passcode.

'**View Event Log?**' **(No)** - Press '*enter*' to skip this option or use the '*up*' or '*dn*' buttons to change the 'No' to 'Yes' and press '*enter*' if you wish to view the log.

(Yes) - this will show the previous 100 entries, Each entry is numbered, shows the current date (the year is recorded but not shown), time and the particular event concerned is shown. To navigate the log, use the '*up*' and '*dn*' buttons to move back and forth through the data recorded.

To exit the log file press '*menu / esc*'

'**Cnf Edit Intfc?**' **(No)** This option gives access to the Nurse Call Interface settings—Once configured there should be no need to change any of these settings unless the system is to be used at a different location or in a different manner. **DO NOT** make any changes to these settings unless you have read and fully understood the instructions given earlier in this document. This option is meant for Biomedical engineering or electrical / building maintenance staff only.

(Yes) First select which interface you wish to edit. Either 'Alarm' or 'Pendant' - Once selected copy the pattern required from the chart provided by entering a 'mark' or 'space' in each timeslice once after the next.

Each row of the interface is shown in turn—So, **P-Tip Slice :0**2, for example, is the second timeslice of the pendant interface while **A-Rng Slice :20** is the 20th slice of the alarm interface. Tip, Rng and Brl are shown in turn. Enter a 'mark' in in each row where you need a connection. There needs to be a mark in at least 2 rows for any timeslice for a connection to be made. Once all three rows are set pressing '*enter*' will move on to the next timeslice. Once all 30 timeslices are set the repeat flag can be set or cleared for each row in turn.

Soft menu

In order to allow easy access, pressing the '*dn*' button at anytime will give access to the Delay and Alarm sound menu options without the need to enter the passcode. If 'chirp' or 'silent' mode is selected for the Alarm Sound then a warning will be given whenever the unit is turned on. This is intended to remind staff that the alarm is set in silent (or chirp) mode.