Solutions for Fall Prevention

An intuitive guide

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Quality Care Solutions

Easylink UK

Assistive Technology – Care Support Systems

bsi. ISO 9001:2015 Quality Management

FM84603

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Bed leaving detection alarms
Chair leaving detection alarms
Worn fall detection sensors
Multi-sensor systems
Carer alerts in-house & off-site
Single & Multiple patient systems
GSM mobile fall solutions
Wi-Fi connectivity

Scenario 1 – Mrs X living independently

- Mrs X spends most of her time alone at home during the day, apart from scheduled daily health worker visits.
- Mrs X has experienced two known falls, resulting in hospitalisation.
- Mrs X has Type 2 Diabetes.
- Mrs X has subconsciously developed her own strategy to prevent falls. By reducing food and liquid intake she believes reducing nature visits will keep her safe.
- **Dehydration, Malnutrition = Delirium**
- **As a consequence, her fall rate increases, by day, and by night.**

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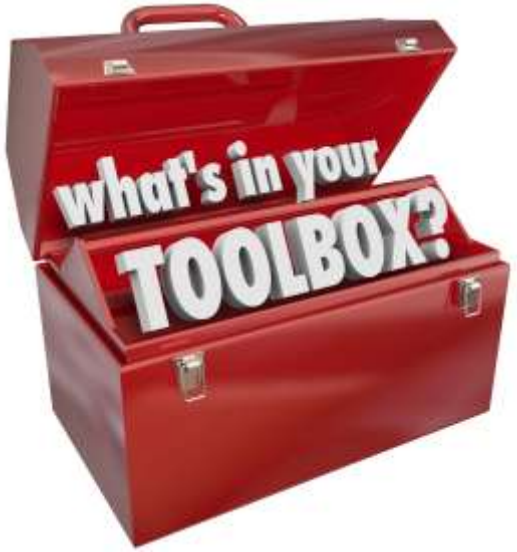

Scenario 1 Mrs X

What can we do to help Mrs X and keep her safer at home

Planning a safer environment for Mrs X

- Identify factors contributing to cause of falls
- When and where do falls occur?
- Develop a falls reduction strategy*
- Identify and confirm if Assistive Tech can help Mrs X
- Select appropriate equipment

Mrs X's falls may be attributable to malnutrition

Mrs X has falls when rising from and leaving her bed and chair

Her general mobility is not considered high risk

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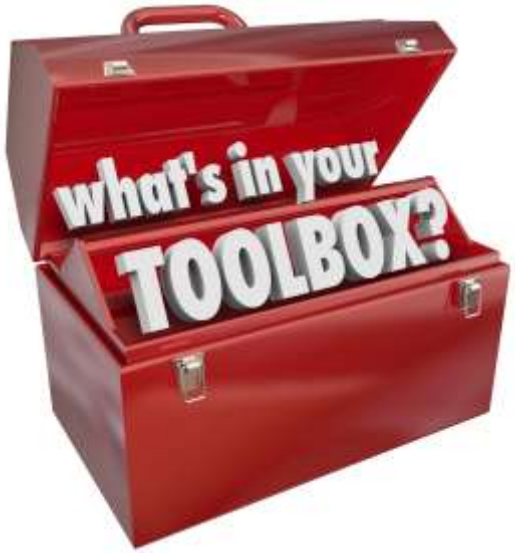
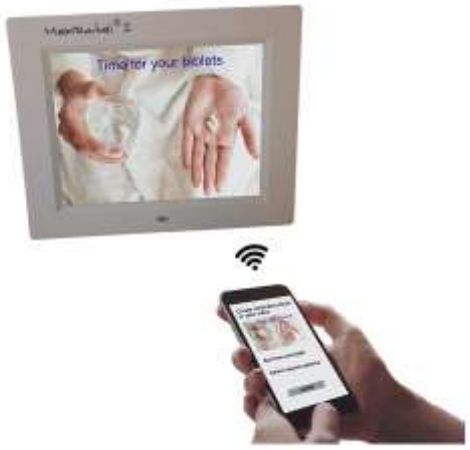
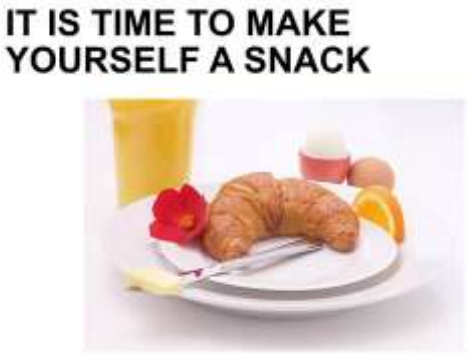
Option 1 – Introduce an automated prompting device to encourage intake of food and drink during the day



MemRabel® 2 **Automated timed media scheduling playback**

- Use video, photos, text to create relevant timed prompts
- Encourage intake of food and drink at specific times
- Introduce reminders for important medications





Scenario 1 Mrs X

What can we do to help Mrs X and keep her safer at home

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Option 2 – Include a system that can predict or reduce the likelihood of a fall.

Mrs X has family who live close by that are able to respond to an incident. Because Mrs X falls from her chair and bed, both need to be monitored.

Possible solution: **MPCSA11 Smart sensor controller**

Sensor controller transmitter


Cordless chair sensor


Fall detection pendant

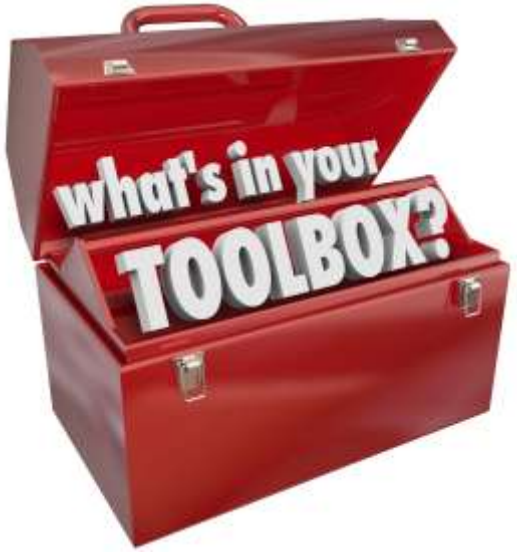
Emergency dialler with intercom


Cordless dual function bed sensor


PIR movement sensor with narrow beam shutters

Up to 3 Sensor types can be used with the talk-back function. Available sensor types:

- Bed sensor
- Chair sensor
- Worn fall detector
- Movement sensor



Scenario 1 Mrs X

What can we do to help Mrs X and keep her safer at home

This system will allow Mrs X to leave her bed, move to her chair, enter her kitchen or other room without raising an alert unless she fails to connect with one of the sensors within a selected time period.

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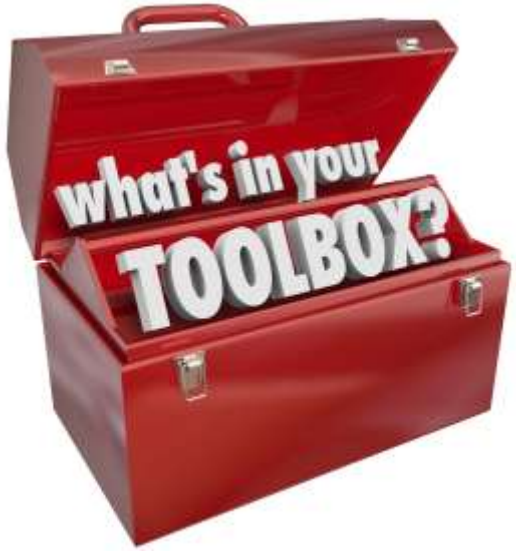
Desired Outcome



Scenario 1 Mrs X

Falls strategy in place

- Mrs X feels safer in her home
- Falls are reduced resulting from regular intake of food and drink
- Family have peace of mind
- Undiscovered fall time is reduced*
- False positives considerably reduced
- Likelihood of ambulatory care is reduced
- Care costs are reduced to LA and NHS

Scenario 2 – Mr & Mrs “B”

- Mr B is the full time home carer for his wife
- Mrs B has limited mobility, is unsteady when walking unaided, and has had several night time falls
- Mr B has moderate to severe hearing loss and fails to hear Mrs B leaving the bed during the night when his hearing aids are removed
- Mrs B also experiences daytime falls when leaving her chair

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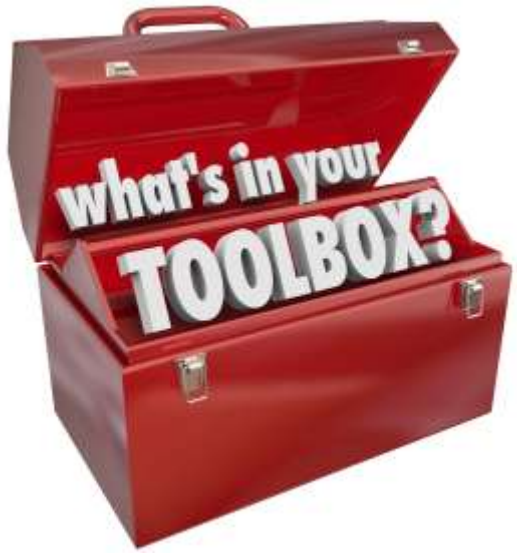


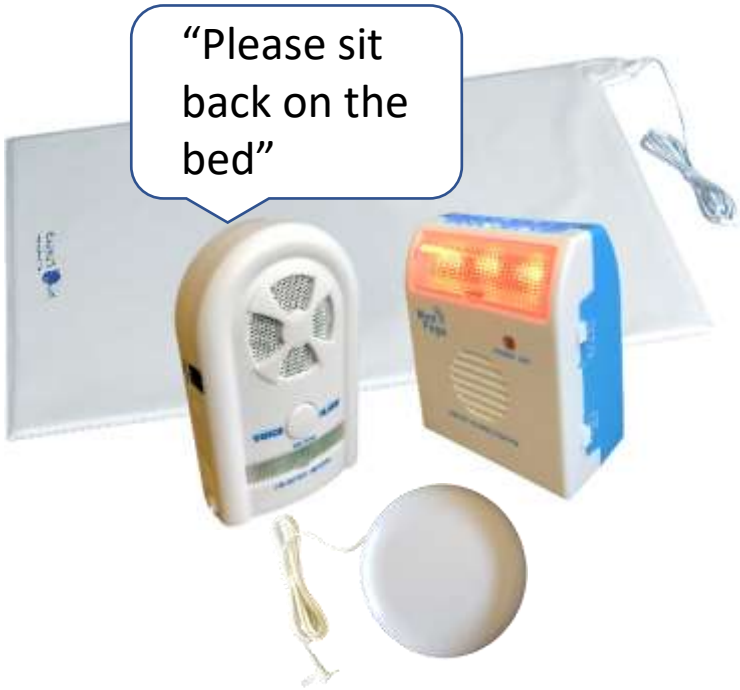
Scenario 2 Mr & Mrs B

Option – Introduce a bed exit detection alarm with recorded voice prompt for Mrs B and a visual/audible alarm to wake Mr B

CTM-3 recordable voice prompt alarm transmitter, with CT-3 bed sensor and flashing light alarm receiver NMDRX.

Mrs B rises from the bed. Recorded voice prompt is played back, simultaneously a transmission signal activates a flashing light alarm (designed for deaf people) to wake Mr B.

A second CTM-3 with a chair sensor CT-2, can be added for daytime chair monitoring.



Flashing coloured LED's would disturb Mr B from sleep! An under-pillow vibrating pad could be included

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We can’t prevent every fall

We can make sure help arrives quickly

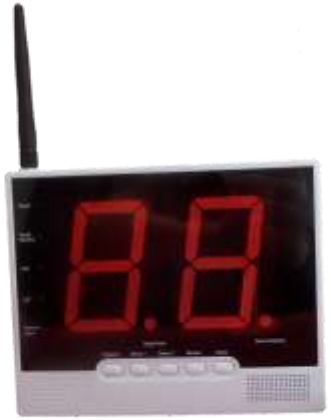
Alarm & Notification Devices

MPPL3 PAGER
1-2 USER/DEVICES
2 X AA BATTERIES
TONE/VIBRATION ALERT

TUMPAG31 PAGER
1-3 USER/DEVICES
2 X AA BATTERIES
TONE/VIBRATION ALERT
1-3 CHANNEL LED ID

PAG-11c PAGER
1-9 USERS (99 FOR CSA11)
2 X AA BATTERIES
TONE/VIBRATION ALERT
LCD CALLER DISPLAY ID

NMDRX PORTABLE ALARM
1-5 USERS/DEVICES
3 X AA BATTERIES
AUDIBLE & FLASHING LED ALERT
OUTPUT FOR VIBRATING PAD



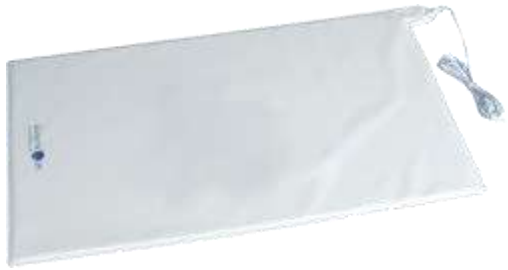
CMD-11 DESKTOP RECEIVER
1-99 USER/DEVICES
MAINS POWER BATTERY B/U
AUDIBLE ALARM
CALLER & DEVICE ID DISPLAY

EM330 DIGITAL MESSAGE PAGER
UNLIMITED USER/DEVICES
1 X AAA BATTERY
TONE/VIBRATION ALERT
TEXT ALERT ID DISPLAY
RANGE 400M (EXTENDABLE)

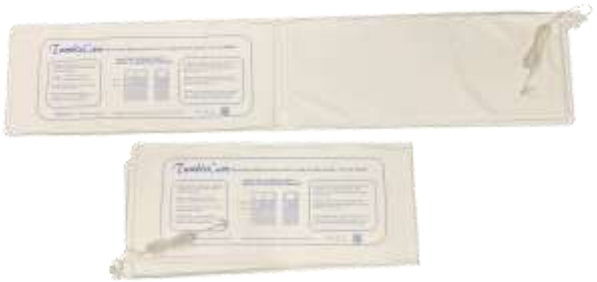
MPPA3 DIGTAL MESSAGE
UNLIMITED USER/DEVICES
RECHARGEABLE
TONE/VIBRATION ALERT
TEXT ALERT ID DISPLAY
RANGE 400M

Occupancy Detection Sensors

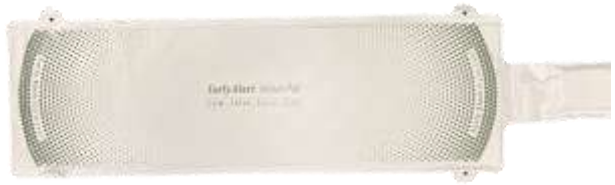
MED04BP
Corded bed sensor
750mm 450mm
RJ11 connector plug
Single & double bed



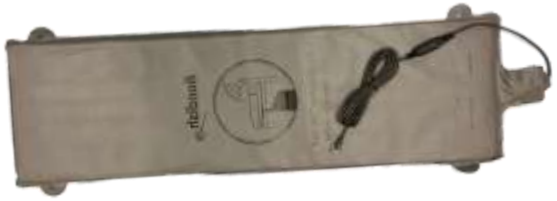
CT-3
Corded bed sensor
750mm x 450mm
2.5mm Jack Plug
Single & double bed



TUMFBP1
Double bed sensor
Folds for single bed
126cm x 33cm
2.5mm Jack connector



WPAS10
Cordless bed sensor
Integral alarm transmitter
76cm x 25cm



UMBP-10
Ultra-sensitive bed sensor
Specialist beds & mattresses
76cm x 25mm
RJ11 connector plug

CT-2
Corded chair sensor
38cm x 30cm
2.5mm Jack connector

CT2T
Corded chair sensor
38cm x 30cm
RJ11 connector plud

UCP10T
Cordless chair pad
Integral alarm
transmitters
38cm x 30cm

Adaptors available

2.5mm Jack to RJ11 female
RJ11 female to 2.5 Jack
RJ11 Jack to RJ12 Jack
3.5mm female to 2.5mm Jack

Sensor Alarm Controllers – Radio Alarm Signalling

BTXMED04 Sensor Transmitter

- **Sensors: Bed, Chair, Floor**
- Dual input sensor alarm
- 6.3m & RJ11 sockets
- Integral transmitter
- Selectable alarm delay
- Transmission range 100M
- Integral audible alarm
- Power 3 AA batteries DC adaptor

Compatible alarm receivers
MPPL, TUMPAG31, PAG11 NMDRX, CMD11

NMDTX2 Universal Transmitter

- **Sensors: Bed, Chair, Floor**
- Input: 2.5mm socket
- Range: 100M/400M
- Selectable alarm delay
- Power 2 x AAA batteries DC adaptor
- Free ID message programming software
- Dual transmitter mode

Compatible alarm receivers
MPPL, TUMPAG31, PAG11 NMDRX, CMD11, EM300, MPPA3

CTM-3 Sensor Transmitter with Recordable Voice Prompt

- **Sensors: Bed, Chair, Floor**
- Input: 2.5mm socket
- Range 100M
- Tone/recordable voice prompt played on alarm
- Power: 3 x AAA batteries, power adaptor
- SOS call button
- Selectable alarm delay

Compatible alarm receivers
MPPL, TUMPAG31, PAG11 NMDRX

MPCSA11 Smart Sensor Controller Transmitter

Sensors: Bed, Chair, Floor, PIR
Input: RJ11, 6.3mm, RF sensor
Range 100M
Multi-function sensor monitoring
Combine 3 sensors for activity monitoring
Power: 3 x AA batteries, DC adaptor
3-Channel sensor alarm receiver
Addressable user ID code (up to 99 devices)
Compatible alarm receivers
TUMPAG31, PAG11, CMD11

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Our range of products give you the tools to provide an effective fall prevention system

- Products available in ready-to-use kit form
- Product kit components available separately
- Easy to configure equipment options to suit patient specific requirements

- Reliability, Performance, Quality, Expert Technical Support