



Welcome to DementiaSafe™

Lighting the way for your Residents
while lightening the load for your staff



DementiaSafe™ is a bed occupancy detector for beds in nursing homes and elderly care environments. A courtesy light is activated and an alarm is sent when the patient leaves the bed, or leaves the bed and does not return within a specified time.

DS™ is based on vision technology. With this technology DS™ can see and interpret situations. The greatest advantage with this technology is that DS™, to a high extent, can be adjusted to the patient's needs. Other advantages are longer product lifetime than comparable products and no need for hygienical maintenance, due to the fact that DS™ does not demand physical contact.

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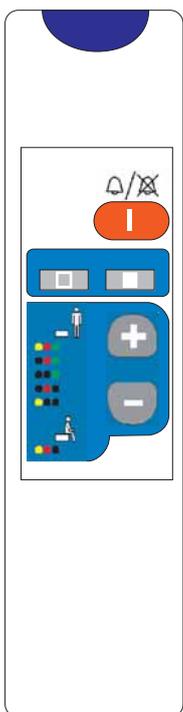
Another advantage of DS™ is the adjustable sensitivity. DS™ can either send an alarm when the patient leaves the bed or as soon as the patient sits on the bed edge.

Important

DS™ is a technical aid, which substantially increases the efficiency of the staff at regular supervision. However it is only a compliment to regular supervision, DS™ is not intended to replace ordinary supervision of the patient by staff. During certain situations DS™ might fail to detect that the patient leaves the bed. Incorrect usage or incorrect mounting substantially increases this risk. All staff concerned should be clearly informed about these matters. As a result of this Eclipse Nursecall Systems cannot be found responsible for direct or indirect injuries that may arise in connection with or as a result of using DS™.



- A:** Optics
- B:** LED's
- C:** IR-LED's for night illumination
- D:** Courtesy lights



ON/OFF button

The red button activates and deactivates DS™

Installation buttons

These buttons are used during installation to configure the bed zone.

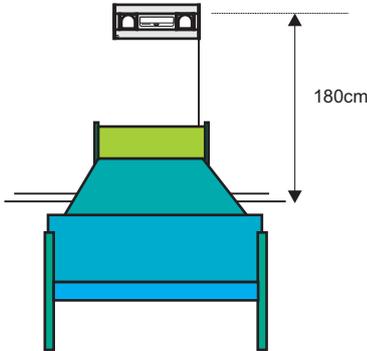
Timer & sensitivity buttons

These buttons adjust the timer and sensitivity settings

Installation

Mounting the DementiaSafe™ on the Wall

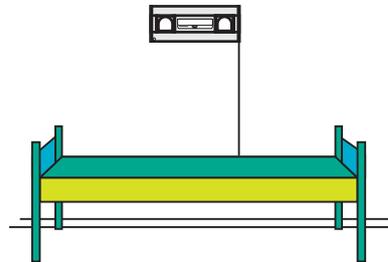
Above the Head of the Bed



DementiaSafe™ must be mounted either above the head end of the bed or above the long side of the bed, In both cases DS™ should be placed above the centre of the bed side.

If it is possible to install DS™ in both ways, the long side mounting should be preferred if a lifting pole is mounted on

Above the long side of the Bed

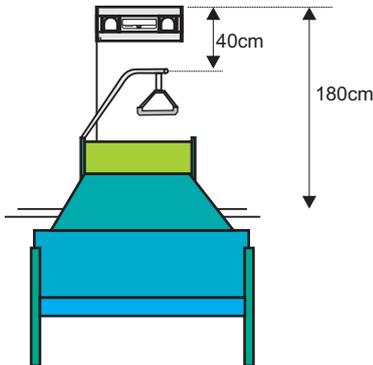


the bed or if the detection sensitivity setting should be set to detect the patient on the bed edge.

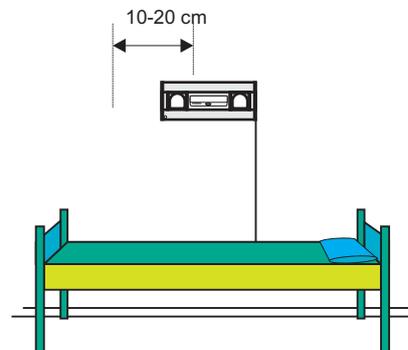
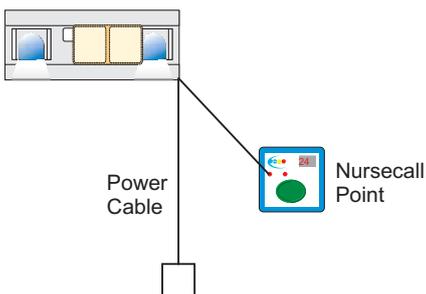
DS™ should be placed 180 cm above the floor.

Place the bed close to the wall.

Above a bed with a lifting pole.



Linking to associated nursecall point.



If there is a lifting pole mounted on the bed, DS™ should be placed 200 cm above the floor and the vertical distance between DS™ and lifting pole must be at least 40 cm, should be 10-20cm closer the foot end of the bed.

Use the nursecall lead supplied with your DS™ to connect to your nursecall system.

HEALTH & SAFETY ADVISORY

It is strongly recommended that in the interests of health and safety, the installer secures all cable sin approved protective trunking.

Troubleshooting

Red LED is lit and Yellow LED is flashing

Possible cause:

- DS™ is covered by an object.
- The bed or DS™ has been moved.
- The IR LED's do not work

If the DS™ detects one of the above mentioned situations, an alarm will be sent automatically. This is indicated by a flashing yellow LED and a solid red LED

- Remove any blocking objects from DS™'s field of view
- Check if the bed or DS™ have been moved and put them back into place
- Reconfigure the bed zone
- If the problems still exist contact ENS

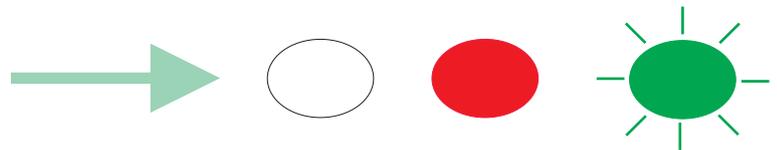


Red LED is lit and Green LED is flashing

DS™ has a built-in function for finding software errors when DS™ is activated. In order to repair these errors automatically, DS™ has to be shut down for a couple of seconds. Since there is a possibility that the patient leaves the bed during these seconds an alarm will be sent.

This type of alarm is indicated by a solid red LED and a flashing green LED.

- Deactivate and activate DS™ with the ON/OFF button.

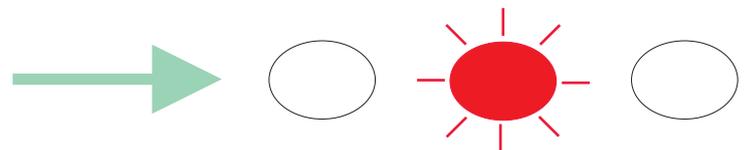


Red LED flashes rapidly after activation

If the red LED starts flashing rapidly just after you activate DS™, the bed zone has not been configured properly.

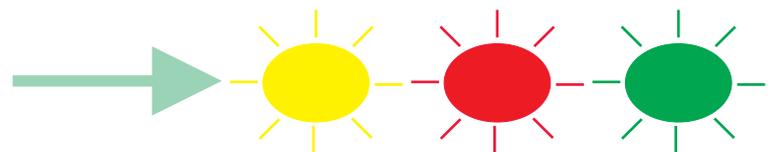
Wrong corners have been configured
Both corners have been configured as "Wall/Head"

- Reconfigure the bed zone.



Yellow, Red and Green LED flash

DS™ is defective, please contact ENS



Troubleshooting

DementiaSafe™ does not send an alarm

In extreme situations it can happen that the DS™ does not detect when the patient leaves the bed edge. If this happens repeatedly the following could be done:

- Configure the bed zone
- Check if the alarms send time is set correctly
- Move away pieces of furniture placed nearby the bed
- Move away the TV or any other lightsource near the bed
- Change clothes
- Check that a previous alarm has not been confirmed and DS™ has not been re-activated.
- In versions 4.6 and above check the NO/NC switch matches the configuration requirement of your call system.

DS™ sends false alarms

In the rare case that DS™ sends a false alarm check the following:

- Configure the bed zone.
- Check the timer and sensitivity settings are correct (a long timer setting gives DS™ more time to take a decision which reduces the risk of false alarms).
- Move away any pieces of furniture placed nearby the bed

Problems when configuring the bed zone.

DS™ can not register the configuration points by the remote control, check the following:

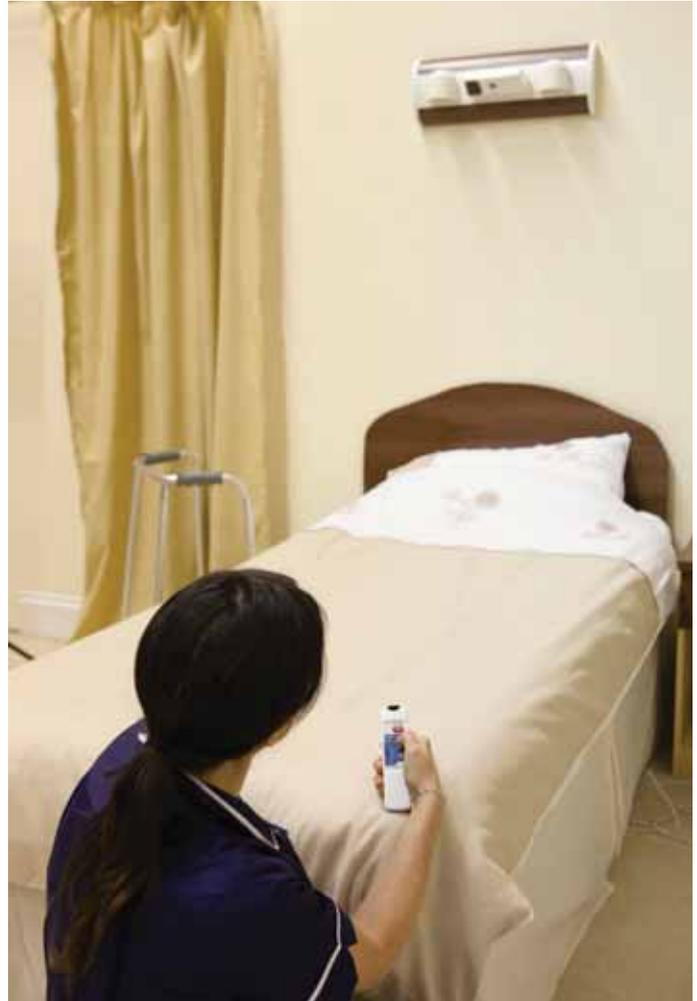
- The remote control was not directed towards DS™, or was not kept still.
- DS™ was not mounted correctly
- The remote control batteries are low.
- If DS™ does not react at all when the room/foot or wall/head button is pressed (red LED does not flash), the remote control batteries are probably low and have to be replaced.



Functional Test

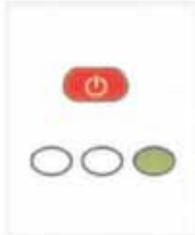
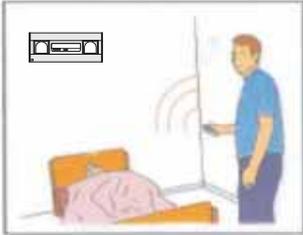
Turn on DementiaSafe™ and set the timer to 3 minutes

- Lay down in Bed
- Turn on DS™ (Press the ON/OFF button) green LED is turned on.
- Wait until the light intensity of the green LED decreases (this takes about 15 seconds).
- Leave the bed. When DS™ has detected you the red LED starts to flash and the courtesy lamps will illuminate.
- Lay down on the bed again. When DS™ has registered that you are back in bed the red LED will stop flashing and the courtesy lamps will extinguish.
- Repeat steps 2 to 6 again (where appropriate) for the other side of the bed.
- Repeat steps 2 to 5 again but this time do not return to the bed.
- DS™ will send an alarm to the external system after 3 minutes and the red LED will change from flashing to solid red.
- Turn DS™ off with the ON/OFF button, the green LED will turn off.
- Set the timer to 0 minutes with increased sensitivity (sitting on the edge of the bed position on the remote control).
- Lay down on the bed. Press the ON/OFF button.
- Wait until the light intensity of the green LED decreases (this takes about 15 seconds)
- Move to a sitting position on the bed edge.
- The Courtesy lamps will illuminate, the red LED will change to solid and the alarm will activated. Confirm the alarm has been sent.
- Turn off DS™.
- The functional test is finished.
- It is advisable to register the functional test in a log book.





Turn on the sensor

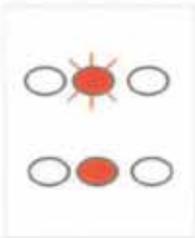


Assist the patient to bed

Turn on the sensor by pressing the ON/OFF button on the remote control

When the sensor is activated the green LED is lit.

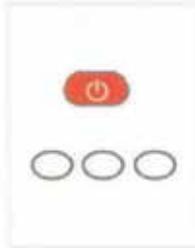
An alarm is sent



If the patient leaves the bed the red LED starts to flash

When the alarm has been sent via the internal alarm system the red LED becomes solid.

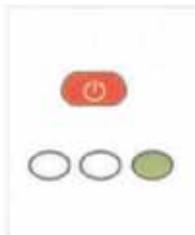
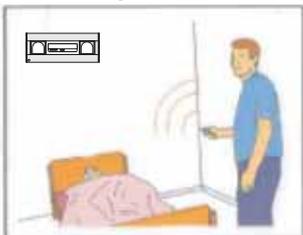
Turn off the sensor



The sensor must always be turned off when the staff enters the room. This is done by pressing the ON/OFF button.

When the sensor is turned off all LEDs go down.

After the patient has been assisted back to bed



When the patient is assisted back to bed the sensor must be turned on again.

If the staff forgets to turn off the sensor after an alarm, a security function will automatically turn on the sensor after 4 minutes.

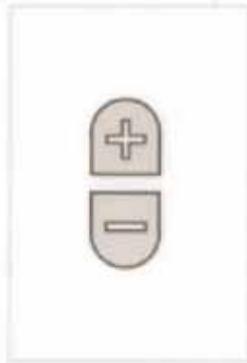
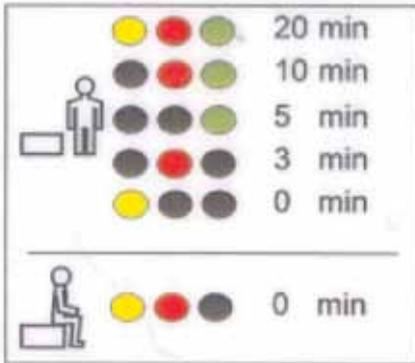
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Set the timer and sensibility - adjust the sensor to the patient

If the patient returns to bed before the timer has elapsed no alarm will be sent



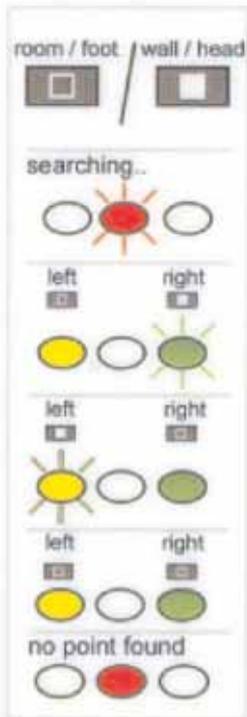
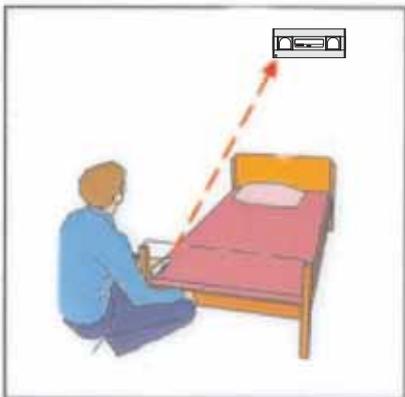
The time is adjusted by the + and - buttons. The current time setting is shown by the LEDs according to the table on the left

The settings above the line will send an alarm when the patient walks from the bed, while the setting below the line will send an alarm already when the patient sits on the bed edge. Assist the patient to bed

Turn on the sensor by pressing the ON/OFF button on the remote control

When the sensor is activated the green LED is lit.

Mark the bed - each time the bed or the sensor has been moved



Turn off the sensor

Hold the remote control in one of the far corners of the bed and direct the remote control towards the sensor.

Press and hold the room/foot button or the wall/head button, according to the figure below.

The red LED flashes while the sensor is searching for the configuration point. When the configuration point is registered the current configuration is shown by the LEDs according to the table to the left.

Repeat the procedure for the other corner.

