

Infra-Red Bedside Monitor



NURSE CALL SOLUTIONS

The Infra-Red Bedside Monitor from Nurse Call Solutions alerts the caregiver when a patient attempts to leave a bed. It is designed to be used in nursing homes and medical facilities and is also suitable for home use. The Infra-Red Bedside Monitor uses Infra-Red technology to discretely monitor any movement from a bed. There are no cumbersome pads or cushions. The device works by emitting a harmless Infra-Red Signal which alerts the caretaker, either by triggering an audible alarm or by sending an electronic signal to a nurse's station at a remote location.

Side View of Bedside Monitor



Side view of unit showing AC adaptor plug and switches to the alarm to Local or Remote and specify signal should sound as chime or alarm.

Front View of Bedside Monitor



Front view of unit showing rectangular shaped Infra-Red sensor. The sensor emits the Infra-Red Beam that activates the alarm when it detects patient activity.

Installing the Battery

If the unit is to be battery powered, the battery should be installed as follows:

1. Remove the swivel bracket to clear the battery compartments.
2. Open the battery compartment by sliding the cover in the direction indicated by the arrow,
3. Place a 9V battery into the compartment, making sure the positive (+) terminal is on the right hand side.
4. Replace the cover.
5. Attach swivel mounting bracket to unit by gently opening bracket so that it pivots on either end fit into the holes on the mounting bracket.

When the battery needs to be replaced, the red LED on the front of the unit will blink.

Using an AC Adaptor

The unit can be operated without a battery by using our optional AC Adaptor. Locate the device near a 240-volt electrical outlet, then plug the adaptor jack into the wall outlet and the socket marked "AC ADAPTOR" on the unit.

Connecting to your Nurse Call System

The Infra-Red monitor can be connected to most standard nurse call systems using the optional nurse call connections kit (sold separately). For further information on connecting the monitor to your nurse call system, please contact us.

Attaching the Infra-Red Bedside Monitor to the Bed Frame

The Infra-Red Bedside Monitor is designed to be attached to the side of a hospital bed frame. It works by emitting an infra-red signal along the length of the bed. If a patient falls or attempts to leave the bed, the bedside monitor will be activated. Follow these steps and observe the illustration when attaching the unit to the bed.

1. Prepare the optional metal mounting bracket by attaching a Velcro strip (included) to the other surface. Apply the Velcro by removing the backing material and carefully adhering the Velcro strip evenly to the outer surface of the bracket.
2. Attach the bracket to the bed frame so that the Velcro strip extends outward from the frame. The bracket should be mounted near the headboard or at the footboard so the unit when mounted will aim the detection beam away from the door.
3. Attach the other Velcro strip to the swivel bracket attached to the unit. Locate the Velcro so that it covers the two holes on the bracket.
4. Attach the unit to the bracket by pressing the Velcro surface of the unit directly onto the Velcro surface on the metal bracket.
5. Check to make sure that the cylindrical part on the face of the unit is "aimed" along the length of the bed. This is the part that directs the infra-red signal.

Important Note: When installed, the unit must not be aimed towards a door or an entry way. The sensing range of the monitor can be over 6 meters or 20 feet. To reduce the potential for false alarms position the monitor so that the sensing area does not extend into a traffic area where staff, visitors and others may be walking as this may cause the unit to go into alarm. The best results are usually obtain using the optional extension bracket to extend the monitor from the foot of the bed with the monitoring facing back towards a wall just behind the head board of the bed. Using this configuration the sensing area is parallel to the bed and extends from the monitor at the floor of the bed and terminates at the wall behind the headboard of the bed. Ensure also that the monitor is angled slightly away from the patient to reduce the potential for false alarms. Test before each use to ensure the unit alarms when patient exits bed.

Preparing the Metal Mounting Bracket

The unit comes with two self-adhesive Velcro strips. Apply one strip to the outside of the metal mounting bracket as shown. Attach the other strip to the outside of the adjustable bracket that fits around the unit.



Alternative Mounting Method

If you don't want to use the metal mounting bracket, an alternative method is to attach one Velcro strip directly to the top of the headboard and then attach the other Velcro strip to the unit directly. If you use this method, make sure to tilt the unit up at least 30 degrees so that it will only be activated when the patient attempts to get up and out of the bed and not activate if a patient flexes his or her knees.

Operating the Unit

LOC/REM Switch:

Set Switch to LOC (Local) if you want the unit itself to sound a chime or alarm. Set the Switch to REM (Remote) if you would prefer to have the alarm transmitted to a remote nurse's station or other location and silence the alarm at the unit. (Make sure the unit is connected to the nurse's station.) No Local Alarm is sounded by the monitor when the alarm switch is in the REM position, only the nurse call system will be activated. This setting should only be used when the monitor is connected to your nurse call system.

CH/OFF/AL Switch:

This Switch turns the unit on. Set it to either CH (Chime) or AL (Alarm), depending on the desired alarm mode. (Note that this setting cannot be changed while the alarm is triggered.) The green LED on the front of the unit will begin blinking for approximately 20 seconds. This will give you sufficient time to clear the detection area. It will then stop, and after a pause, will begin blinking approximately every 5 seconds. At this point the unit is armed and ready to work. To turn the unit OFF, set the switch to the centre "OFF" position. To silence or bypass the alarm turn Switch to the OFF position. To resume monitoring turn Monitor back on by turning Switch to the CH (Chime) or AL (Alarm) position. Monitor will not alarm when Switch is in the OFF position. Before leaving patient unattended ensure that the green LED light on the front of the Monitor is blinking every 5 seconds.

! WARNING !

- Only operate this product after carefully reading the operating instructions.
- Alarm may fail to sound if the monitor is damaged or if the battery runs low.

! CAUTION !

- TEST UNIT BEFORE USE. REFER TO OPERATING MANUAL FOR COMPLETE INSTRUCTIONS.
- THIS UNIT IS NOT A SUBSTITUTE FOR VISUAL MONITORING BY CAREGIVERS. RESTRAINTS MAY BE REQUIRED FOR SOME PEOPLE.
- WHEN BATTERY IS LOW, MONITOR WILL EMIT A VISUAL OR AUDIBLE WARNING SIGNAL. STOP USING THE UNIT AND REPLACE THE BATTERY IMMEDIATELY.
- THIS UNIT MAY NOT BE SUITABLE FOR USE WITH "HIGH RISK FOR FALLS" INDIVIDUALS. THIS MONITOR IS NOT A DEVICE USED FOR FALLS PREVENTION – IT IS USED TO DETECT A POTENTIAL FALL AND CANNOT PREVENT A FALL.
- DO NOT IMMERSE IN LIQUID, OR USE IF THE UNIT HAS BEEN IMMERSED.