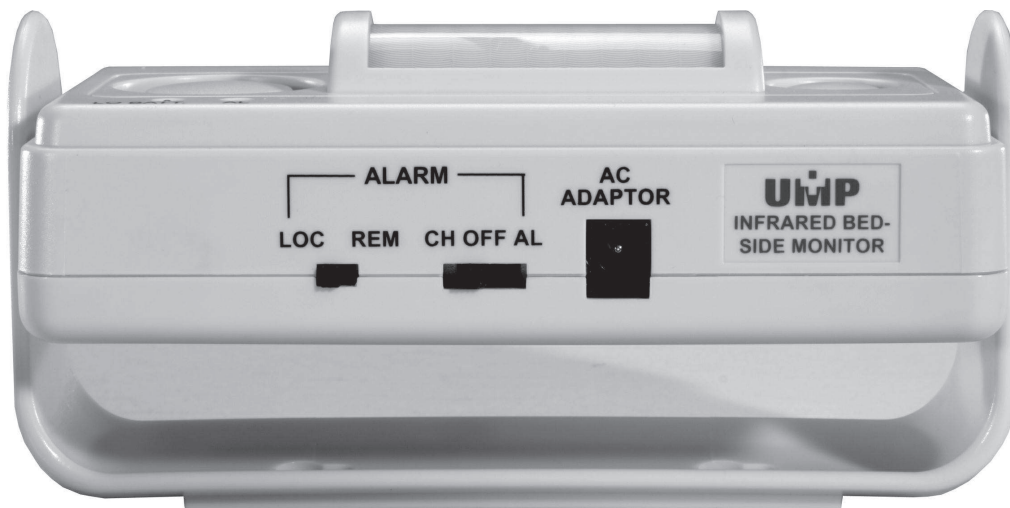




## Instructions for Infrared Bedside Monitor IRM-1, Model 91170

Universal Medical Products' (UMP) Infrared Bedside Monitor 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 Infrared Bedside Monitor uses infrared technology to discretely monitor any movement from a bed. There are no cumbersome pads or cushions. The device works by emitting a harmless infrared 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 IRM-1



Side view of unit showing AC adaptor plug and switches to set the alarm for Local or Remote and to specify if signal should sound as Chime or Alarm.

### Front view of IRM-1



Front view of unit showing rectangular shaped infrared sensor. The sensor emits the harmless infrared 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 compartment.
2. Open the battery compartment by sliding the cover in the direction indicated by the arrow.
3. Place a 9-V 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 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.

### CAUTION

**Improper installation of the battery can cause damage to the contacts and cause improper operation.**

## Using an AC Adaptor

The unit can be operated without a battery by using our optional AC Adaptor BS-3-PWR (Model 0400-059) or its equivalent. Locate the IRM-1 near a 110-volt electrical outlet, then plug the adaptor jack into the wall outlet and the socket marked “AC ADAPTOR” on the unit.

### WARNING

**If the IRM-1 is being used without a battery or a low battery, the AC Adapter must be connected to the IRM-1 and to a functioning 110-volt electrical outlet in order to operate properly.**

## Nurse Call

If attaching unit to a nurse's station, plug one end of optional Nurse Call Cable NCC-1 (Model 0707-569) into the jack labeled NURSE CALL on the bottom of the unit. Plug the other end into the Nurse Call system receptacle. Once this connection is made and the alarm is triggered, the alarm will be heard at the nurse's station.

## Attaching the IRM-1 to the Bed Frame

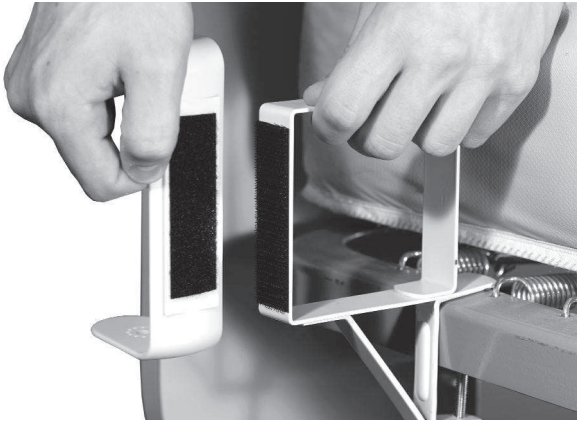
The IRM-1 is designed to be attached to the side of a hospital bed frame. It works by emitting an infrared signal along the length of the bed. If a patient either falls or attempts to leave the bed, the IRM-1 will be activated.

Follow these steps and observe the illustrations when attaching the unit to the bed:

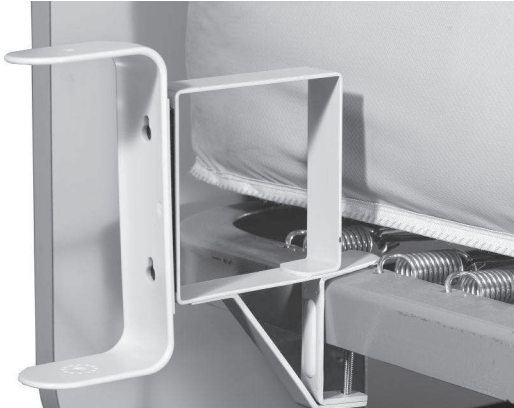
1. Prepare the optional metal mounting bracket BB-2 (Model 0120-125) by attaching a Velcro® strip (included) to the outer surface. Apply the Velcro® by removing the backing material and carefully adhering the Velcro® strip evenly to the outer surface of the bracket.
2. Attach the bracket to the bed frame 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 infrared signal.

**Important Note: When installed, the unit must not be aimed towards a door or an entry way.**

## 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.



1. Attach mounting bracket to bed



2. Attach unit to mounting bracket

### *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.) If the nurse call cord is removed from the jack on the IRM-1, the IRM-1 will change to local alarm and the alarm will sound at the unit. If the nurse call cord is removed from the nurse call box but is still plugged into the IRM-1, the unit will NOT change to local alarm and no alarm will sound at the unit.

### **⚠ WARNING**

If the nurse call cable is removed from either the jack on the IRM-1 or the nurse call box, the alarm will not be able to sound at the nurse's station.

### **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 10 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. When the unit is triggered, it will sound the Alarm/Chime indefinitely. To silence the alarm, set the switch to the center "OFF" position.

## **WARNING**

Read these instructions carefully before using the Infrared Bedside Monitor. Failure to do so could result in injury or death.

Test unit before use. Refer to this manual for complete instructions.

Use your monitor in conjunction with your facility's fall management program. Infrared Bedside Monitors are not a substitute for proper nursing care. The effectiveness of the monitor relies entirely on an immediate response by the caregiver to the monitor alarm.

This unit is not a substitute for visual monitoring by caregivers. Restraints may be required for some people.

This monitor will not stop a person from leaving a bed or room. It is intended only to alert a caregiver that a person may need assistance. Other interventions may still 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 fall" patients.

This monitor is used to detect a potential fall and cannot prevent a fall.

If the nurse call cable is removed from either the jack on the IRM-1 or the nurse call box, the alarm will not be able to sound at the nurse's station.

If the IRM-1 is being used without a battery or a low battery, the AC Adapter must be connected to the IRM-1 and to a functioning 110-volt electrical outlet in order to operate properly.

## **CAUTION**

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.

Do not immerse in a liquid, or use if the unit has been immersed in a liquid.

### **LIMITED WARRANTY**

UNIVERSAL MEDICAL PRODUCTS, INC., guarantees the main unit "Infrared Bedside Monitor" for quality and workmanship for a period of one (1) year from date of purchase. This warranty is in force provided there is no evidence of misuse or improper installation. Under the conditions of this warranty, UNIVERSAL MEDICAL PRODUCTS, INC., agrees to repair and return any defective or inoperative "infrared Bedside Monitor" units, components, or parts within 30 days without charge.

Units, components, or parts that are determined not to be covered by this warranty because of time, abuse/misuse, or improper installation, will be repaired or replaced on an established cost repair basis within 30 days.

UNIVERSAL MEDICAL PRODUCTS, INC., DOES NOT CLAIM THAT THE "INFRARED BEDSIDE MONITOR" WILL PREVENT BED-RELATED FALLS WITHOUT FAIL. IT DOES CLAIM THAT, WITH A COORDINATED EFFORT FROM THE INSTITUTION NURSING STAFF AND AN ACCEPTABLE FALLS PREVENTION PROGRAM, THE "INFRARED BEDSIDE MONITOR" CAN HELP TO REDUCE THE NUMBER OF FALLS THAT OCCUR WITHIN AN INSTITUTION.

Optional accessories and replacement units are available through UMP®. Direct all orders or inquiries to:

**Universal Medical Products  
Stanley Security Solutions, Inc.**

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