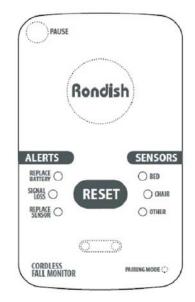
CORDLESS MONITOR (NGM-31)

DIRECTIONS FOR



SAFETY INFORMATION

In these User Instructions, a WARNING is a statement that alerts the user to he possibility of injury, death, or other serious adverse reactions asso with the use or misuse of the device.

A CAUTION is a statement that alerts the user to the possibility of a problem

4. Nylon strap

1. Metal Wall Mounting Bracket

2. Magnetic Mounting Bracket

Bed Mounting Holder

5. Nurse Call Cable 6. Call Cord

Failure to comply with this warning may result in injury or death. TI device is not suitable for all at-risk-for-fall individuals. Restraints m state the required. This device is not a substitute for visual monitoring by caregiver. Pressure pad and pull-string monitors are prone to difficulties use the cord cannot entangle or choke the user. The manufacture of the property of the does not claim that this device will prevent bed or chair related falls vithout fail. Test this device before each use. Read the instructions

device associated with its use or misuse. Such problems include device

nalfunction, device failure, damage to the device or damage to other propert

WARNING

WARNING

Failure to follow all instructions may result in serious injury or death to

ALWAYS test the monitor before each use. NEVER use if the monitor fails to sound alarm in a test. ALWAYS retest the monitor if the unit is dropped.

2. NEVER use a monitor in place of visual monitoring by the caregiver. This monitor cannot prevent falls. The caregiver must make frequent visual inspections of the patient to ensure the monitor is properly placed. Visual inspections by the caregiver are essential to reduce risk for falls.

3. NEVER use with a low battery. Replace batteries with three new AA alkaline batteries

4. NEVER attempt to repair the monitor. Call Rondish at

(852) 25416685 if the monitor fails to work.

5. ALWAYS keep or mount the monitor out of the reach of the patient.

6. Cables associated with the use of this monitor present a tripping and/or entanglement hazard.

7. This monitor is not intended to be used as a replacement for a nurse call system.

8. This monitor is accessory equipment which is intended to be interfaced with nurse call system for supplementary operation and does not initiate the emergency or call code signaling.

9. This monitor can only activate a facility nurse call system when it is connected to the system by an appropriate nurse call cable. **ALWAYS** test the monitor and the connection to the nurse call 10. Although this monitor is able to communicate up to 30 feet away

from the sensor, it is recommended that the monitor be placed in close proximity to the sensor. Communication distance varies for each facility, based upon such factors as the building environment, the umber of monitors being used, and the proximity between them, which may lead to a lost signal. Test

at the desired distance prior to putting the system into service (recommended to test at 1.5 times the distance at which the monitor PANEL 1

YOUR MONITOR

THE NGM-31 This fall management monitor monitors a bed, chair, or room for occupance

If a patient tries to leave the bed or chair, the monitor sounds an alarm. When you hear the alarm, check the patient immediately. This is a single patient fall monitor that you can pair up to three cordless sensors. pads/devices or one corded sensor pad/ device. When three cordless sensors are paired, you will only be able to monitor one at a time but can effortlessly transfer the patient from paired sensor pad/device to another paired sensor nad/device. It can be used for bed and chair exits using corded and cordless sors, including standard and timed bed and chair pads, toilet seat

pads, seat belts, motion sensors and floor

WARNING

sual inspections of the patient to ensure the monitor is properly pla Visual inspections by the caregiver are essential to reduce the risk of falls.

CAUTION

ionals at healthcare facilities and not for cons

INDICATIONS FOR USE

This fall management monitor may benefit the following patients:

2. Patients experiencing disorientation, dizziness, drowsiness or frequent urination caused by medication;

3. Patients who have been assessed to be at a risk of falling or who have a history of falling;

5. Patients who are required to be on mandatory bed rest.

WARNING The Rondish system should NEVER be used as the only means for monitoring:

agitated combative or suicidal natients

patients at extreme risk of life-threatening fall (ex. patients with bone injuries or previous hip fractures) The Rondish System may not be suitable for all high fall-risk

UNPACKING THE MONITOR

Inspect monitor and all components/accessories before initial use and do not lake sure you have the following parts:

1. Cordless Single Patient Device FM Monitor

2. Three AA alkaline batteries. 3. Plastic wall mount with screws

If you ordered any additional parts, check for them:

4. AC Power Adaptor/Cod

SPECIFICATIONS

	Batteries are the primary source of power for the monitor	
Power source	monitor. Three AA (IEC LR6) alkaline batteries are required. High quality alkaline batteries with a capacity of 2000mAh or greater are recommended.	
	Monitor will not operate without batteries installed	
	AC adaptor (optional) can be for the used to extend battery life of monitor.	
	AC Power: Class 2 AC Adaptor (Output: DC 6V 300mA).	
Approximate Battery Life	Normal use: 6 months (without AC adaptor) In storage: 36 months (remove from monitor)	
	Included:	
	Chair: Attached Plastic Clip	
	Strap: Plastic Nylon Strap	
Mounting	Wall: Plastic Wall Mounting Bracket	
	Optional:	
	Bed Mounting Bracket	
	Metal Wall Mounting Bracket	
	Magnetic Mounting Bracket	
Dimensions	4.7" H x 3" W x 1.3" D	
Approximate Weight	8 oz (not including batteries)	
Operating Temperature	10° C - 40° C	
Operating Humidity	30% - 75%	
Operating Environment	Indoor use	
Volume Settings	"LO" setting is 89dB. "HI" setting is 108dB. "NC OFF" is silent when connected into Nurse Call. not connected to Nurse Call it will default to "LO" setting. (NOTE: facility environment may affect abilit to hear monitor alarm, test before using.	

Alarm Delay Settings 0 seconds, two seconds, 4 seconds

Three pelographs opt

INSTALLING THE BATTERIES

1. Unscrew and remove the battery cove 2. Install the three included AA hatteries (Energizer Industria

batteries or equivalent are recommended). Make sure they (see the illustration below).

3. Always use new alkaline batteries and replace them all at the same time. Do

4. Replace the battery cover and tighter The screw

5. See "Testing the Monitor"

NOTE: If the monitor was synchronized to a cordles sensor pad/device it will emain so if the batteries are

CAUTION

NEVER use monitor without battery cover secured in place

This monitor is intended for use only by trained healthcare

onals at healthcare facilities and not for co

The installation of batteries is required even if using an AC adaptor. The monitor will not function without power.

Risk of explosion if battery is replaced by an incorrect type

Do not put foreign materials in the battery compartment

nent or battery terminals.

NEVER use monitor if corrosion is found in or around battery

1. Patients who may have diminished cognitive or mobility abilities;

Patients who frequently or routinely get out of bed without warning or calling for assistance; and

POWERING THE MONITOR

This monitor is battery powered, with the ability to plug into AC power using the 6 Volt AC power adaptor/cord (CSM-AC sold separately) to minimize battery drain/ replacement. Installation of three AA alkaline batteries is required, even when using the AC power connection. The patteries serve as a backup in the event of a power outage.

NOTE: This monitor will not run on AC power without batteries installed.

Low Battery Low-Grade alarm (87 dB chirp, the RED "REPLACE
BATTERY" LED flashes, and nurse call is notified (if connected)) will activate and continue until all three AA batteries are replaced with three new AA batteries

Turning the Monitor Off:

When you want to place the monitor out of use for any given period of time: 1. Unpair the cordless sensor pad(s)/device(s) from the monitor (see Unpair Sensor Pad/Device from the Monitor" in the ""Cordless Sensor

2. Remove all cords from the monitor

3. Press the RESET button to cancel the alarm

NOTE: If placing the monitor out of service for extended periods remove the batteries. Dispose of the monitor and batteries if there is evidence of

MOUNTING THE MONITOR

Mount the monitor where access is convenient to the caregiver, such as on the wall, but at a minimum of two feet from the patient.

The monitor is to be securely mounted before use. The monitor can be mounted in several different ways, including:

Use the mounting clip on the back of the unit – the mounting clip can be slid over any thin material such as the back of a wheelchair or can be used with optional mounting accessories — the Rondish Bed Mounting Bracket, the Rondish Magnetic Mounting Bracket, Metal Wall Mounting Bracket or the Included Plastic Wall Mounting Bracket.

Use the nylon strap loop - thread the Nylon strap (provided with the tor) through the plastic nylon strap loop on the back of the uni and use the Nylon loop to attach the monitor to a bed or wheelchair

The Nylon Strap and the Plastic Wall Mounting bracket are included with the monitor. The Rondish Bed Mounting Bracket, the Rondish Magnetic Mounting Bracket and the Wall Mounting Bracket are sold separately and are not included with the monitor. Call your Rondish representative for more

WARNING

NEVER drill holes or mount the screws where the drill or screws me contact live electrical circuits. Exercise caution when installing t wall mount screws and sleeves

NEVER use the monitor if it cannot be securely mounted ALWAYS test the monitor before each use. NEVER use the monitor

PANEL 3

if it fails to alarm in testing.

DELAY CONTROL The DELAY switch (located on the back of the monitor, inside the battery compartment) controls the amount of time (three options: 0, 2 or 4 seconds)



VOLUME CONTROL

NOTE: Volume may not be adjusted when in the alarr

NOTE: Volume setting "NC OFF" is silent ONLY if the nurse call cable is plugged into

the monitor's nurse call jack. Whenever the "NC OFF" setting is

selected and the nurse call cable is not connected or removed from the

monitor's Nurse Call 1/4" Jack, the volume will no longer be silent and will default to the "LO" setting.

WARNING

ed from the monitor's Nurse Call 1/4" Jack to the nationt station

connected from the monitor's Nurse Can 1/4 jack to the patient station at the wall. If the volume setting is the "NC OFF" and the nurse call cable is plugged into the monitor's nurse call 1/4" jack but not connected into the patient station at the wall, it will not sound an audible alarm from

he monitor's speaker and will not notify a caregiver if a patient is up o

CAUTION

To reduce the risk of impacting patient hearing, keep audible alarm output a minimum distance of two feet from patient or caregiver.

Do not point the speaker directly at patient or caregiver.

CANCEL/RESET BUTTON

The CANCEL/RESET button provides the following functions:

Resets an alert for "Replace Battery", "Signal Loss" or "Replace Sensor

Resets and clears all cordless sensor pads/devices from the monitor (see "Unpair Sensor Pad/Device from the Monitor" in the ""Cordless Sensor

Resets and clears a cordless sensor pad/device that is outside of the

Cancels the "PAUSE" mode (see "Pause Feature" under the "Features"

monitor range when the alert of a "Signal Loss" occurs.

Cancels the alarm from a sensor pad/device.

Pad/Device Use" section)

has fallen. Always test before using with a patient when "NC OFF

The volume switch (located on the

back of the monitor, inside the battery compartment) allows the caregiver to adjust volume to three levels; "HI"

"NC OFF" (alarm will be silent whe

selected and nurse call cable is used.

Do not obstruct the speaker.

The tone switch (located on the back of

select between one of three tone options: single beep,

double been or triple been.

TONE SELECTION

the highest volume "HI".

shifts off the pad, and then back onto the pad within the set delay time of 2

NOTE: The delay function does not work with the floor mat/cushion. The alarm will always occur at 0 seconds regardless of the delay setting. The delay time is factory set to 0 seconds.

Pslayor

NOTE: The delay time range settings are the same for cordless and corded sensor pads/devices (0, 2 and 4 seconds). Environment and distance between monitor and pad may effect delay time. Test before using.

PAUSE FEATURE

This optional setting prevents the monitor from alarming for 60 seconds when pressing the "PAUSE" button while, for example, the caregiver takes the patient out of bed.



1. Press the "PAUSE" button located on the upper left hand corner of the face of the monitor to enter the 60 second pause mode. During the 60 second PauseMode:

? The "PAUSE" button will blink red, indicating the monitor is in the pause mode for the next 60 seconds.

? The patient may be removed from the sensor pad or the seat belt may be unfastened for 60 seconds without activating an alarm.

? Pressing CANCEL/RESET button anytime during the pause mode will he remaining time and if the patient is not removed from the sensor pad, it will reactivate the alarm as normal. ? If the sensor cord is removed during the pause mode, the monitor will

alarm immediately and will cancel the remaining time ? If the patient returns back to the pad, or if the seat belt is refastened, it

end the pause mode immediately and the monitor system will (will activate alarm as normal if the patient removes off the pad/seat belt is unfastened again

? Once the patient has exited for more than 5 seconds, it will endthe Pause mode

2. When the 60 seconds have expired

? If the patient has not been placed back on the pad/seat belt refastened, the monitor will go into a sleep mod

? If the patient has been placed back on the pad/seat belt

CORDLESS SENSOR SETUP

This monitor can be paired with up to three cordless sensor pads or devices a

NOTE: When pairing additional cordless sensor pads/devices, they are

NOTE: This Monitor is intended to be a "single patient use" device. Two Et illis withinto it mentacted out a single patient as a certification illike devices (such as a two cordless chair sensor pads or two cordless bed sensor pads) cannot be paired to the monitor at the same time. If attempting to pair a second bed or chair sensor pad with the monitor, it will overwrite the bed or chair that is currently paired.

NOTE: It is not recommended to use the weight of the patient in place of the caregiver's hand for pairing the cordless sensor pad to the monitor.

NOTE: You may need to relocate the monitor and the sensor pad to a different location during the pairing process, to avoid the unplanned pairing of another sensor pad or device in range.

INSTALL THE TRANSMITTER

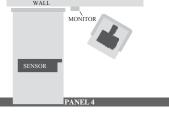
The transmitter needs to activated and connected to the pad/mat prior to use. See the transmitter's Directions for Use NOTE: Some cordless devices have built-in



Selection

NOTE: Best performance and range is achieved by proper placement of the Best performance and range is achieved by proper practical of the fer and antenna in the sensor pocket, and the monitor is installed the transmitter as close together as possible. See the sensor pad's ans for Use for proper placement of the transmitter.

PRECAUTION: Many structural factors like metal, body mass, and other construction materials can, and in some cases, dramatically reduce range and performance. As a final check, try moving the monitor closer to the pad and



PAIRING MODE

Before any sensor can be paired with the monitor, it must first be placed in pairing mode. Press the "Pairing Button" on the monitor for app wo seconds until you hear a beep.



The following will occur indicating that you are now in the pairing mode and ready to pair a cordless sensor pad/device to the monito ? The "PAIRING MODE" LED on the front of the monitor and it should be

? The monitor will remain in the pairing mode for 20 seconds NOTE: If you need to exit the pairing mode, you must wait for the 20 econd period to expire

NOTE: Once programmed, the pad/mat will remain programmed/paired to the monitor, unless if it is Unpaired (see "Unpair Sensor Pad/Device from the Monitor" in the "Cordless Sensor Pad/Device Use" section). NOTE: Pads will remain in memory but be temporarily inoperable if ? A Corded pad is plugged into monitor during which the cordless

PANEL 5

? Batteries from the monitor are removed ? The pad has expired

? Transmitter signal is lost

CORDLESS SENSOR SETUP (CONTINUED) TRANSMITTER

PAIRING A SENSOR PAD OR MAT

Pairing a Cordless Sensor Pad to the Monitor

While in the pairing mode, use your hand to place pressure on the cordless sensor pad and then release pressure to pair the pad to the monitor. The following will occur indicating that the monitor and pad are now successfully paired to each other and ready for use:

The monitor will sound a long beep The "PAIRING MODE" LED on the front of the monitor will go off

When pressure is placed and held on the pad, the following will occur, rming that system is functioning prop

The Monitor will beep twice

The green "BED". "CHAIR" or "OTHER" LEDs in the "SENSORS" The green "BED". "CHAIR" or "OTHER" LEDs in the "SENSORS"

section, will blink approximately every three second When pressure is released from the pad, the monitor will alarm. Press the CANCEL/ RESET button to cancel the alarm.

NOTE: It is not recommended to use the weight of the patient in place of the caregiver's hand for pairing the cordless sensor pad to the monitor.

NOTE: You may need to relocate the monitor and the sensor pad to a different location during the pairing process, to avoid the unplanned pairing of another sensor pad or device in range.

Pairing a Cordless Floor Mat to the Monitor

While in the pairing mode, stand on the mat for approximately five seconds The following will occur indicating that the monitor and mat are now ssfully pair to each other and ready for use

The monitor will sound a long beep

The "PAIRING MODE" LED on the front of the monitor will go off NOTE: The green "BED", "CHAIR" or "OTHER" sensor LEDs, will NOT blink. When pressure is placed on the mat, the monitor wil alarm. Press the CANCEL/ RESET button to cancel the alarm

Pairing a Device to the Monitor

device from the monitor

Curbell monitors.

1. Plug the sensor cord into the monitor's sensor jack

iack if there is excessive tension on the cord.

2. Run the sensor's cord around the strain relief, as in the illustration below

The monitor's strain relief helps prevent damage to the cord and input

there is no need to pair or unpair to the different sensor pad/devi

? When the monitor is connected to the corded pad/device it will

? When the monitor is disconnected from the corded pad/device, it will

alarm, but automatically communicate again with the Cordless Sensor Pad/Devices after pressing the CANCEL/RESET button.

If you are moving a patient from a cordless sensor pad/device to a corded pad.

cate only with the corded pad/device and not with the cordless

See the device's Directions for Use for instructions on pairing it with this

Unpairing a Sensor Pad/Device from the Monitor The cordless sensor pad/device should be unpaired from the monitor in the event that it is to be placed out of service and/or moved out of proximity to

the monitor (unless a corded pad is connected to the monitor). To Unpair the cordless

1. Press and hold the pairing button on the back of the monitor for approximately two seconds to enter the pairing mode (see "PAIRING SENSOR PAD(S) THE MONITOR" above for more detail). 2. Press the "CANCEL/RESET" button (see illustration above), the monitor

WARNING

is no responsibility or liability for the use of sensors from other facturers with this monitor. Only use Curbell sensor pads with

CORDED SENSOR SETUP

will beep three times confirming that the all Cordless Sensor Pad(s)/Device(s) are no longer pair to the monitor.

LOST NOTIFICATION/REPLAC EMENT

In the event that the Cordless Sensor Pad/Device and monitor are not communicating, a Low-Grade alarm will activate from the monitor (chirp, the "SIGNAL LOSS" LED under the "ALERTS" section, will blink yellow and nurse call will be notified (if connected) indicating one of the following: The pad/mat has been out of signal range from the monitor for mately six minutes and they must be moved closer to each other. The range is up to 60 feet,

but it may be less depending on the building environment. Once the signal

The pad/mat has been out of signal range from the monitor for

and coming back into proximity of the monitor. Press "CANCEL/RESET" button to cancel the alarm and then press and hold the "CANCEL/RESET" button for two seconds to unpair the out- of-range, cordless sensor pad.

WARNING

ALWAYS Make sure to test the cordless sensor pad when it is bro

NOTE: The cordless sensor pad's transmitter may require replacement (check expiration date on the transmitter).

avoid a "SIGNAL LOSS" notification.

back into range of the monitor, by pressing and releasing with your hand to initiate alarm

The cordless sensor pad/device will remain paired to the monitor unless it is either unpaired (see "Unpair Sensor Pad/Device from the Monitor" in the "Cordless Sensor Pad/Device Use" section) or the monitor has another corded sensor pad plugged into it. Therefore, if placing the monitor out of

service for extended periods, unpair the cordless sensor pad/device and to

A transmitter isn't recommended to be used if it is estimated to expire before

the pad. If however, the transmitter does expire while in use, the monitor will chirp, the "SIGNAL LOSS" LED under the "ALERTS" section, will blink yellow and nurse call will be notified (if connected).

If the transmitter has expired, it is recommended to replace both the pad and

and durit has occur tested and found to comply with the limits for a Cla digital device, pursuant to Part 15 of the FCC Rules. These limits a estigned to provide reasonable protection against harmful interference

residential installation. This unit generates, uses, and can radiate radio requency energy and, if not installed and used in accordance with the

structions, may cause harmful interference to radio communication

However, there is no guarantee that interference will not occur in a particular installation. If this unit does cause harmful interf

or television reception, which can be determined by turning the unit off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Connect the unit into an outlet on a circuit different from that to

Consult the dealer or an experienced radio/TV technician for help.

Reorient or relocate the receiving antenna

Increase the separation between the unit and received

WARNING

six minutes and you do not anticipate the cordless senso

do a short press and release of the "CANCEL/RESET" button to cancel the alarm and when the pad is brought back into range, it will not be necessary he Cordless Sensor Pad to the monitor. A paired cordless sensor pad that

will occur, confirming that the cord is connected and the batteries have been has been taken outside of range and brought back into range of the monitor will remain connected to the monitor. installed properly

Nurse call will be notified (if connected)

When pressure is applied and held to the cordless sensor pad, the following will occur, confirming that the cord is connected and the batteries have been installed properly:

The "BED or CHAIR" LED will blink green approximately every two

Seat Belt Sensor

3. Adjust the seat belt to the desired length using the buckle that holds the adjustment strap in place.

4. When the seat belt is fastened, the following will occur, confirming that the cord is connected and the batteries have been installed properly:

The monitor will beep twice The "OTHER" LED under the "SENSOR" section will flash green two The "OTHER" LED will blink green approximately every three seconds

1. Remove the adhesive backing from the sensor pad and adhere the sensor pad to the underside of the toilet seat so the pad covers toilet seat

cord holders and secure to desired surface. 3. Position the patient on the toilet.

3. When pressure is applied to the floor mat/cushion, the following will

The "OTHER" LED under the "SENSOR" section will flash green two

NOTE: If there is any other visual or audible alarm, see the LED/LIGHT ALARM INDICATORS and TROUBLESHOOTING sections of this manual. For further assistance, read the directions supplied with the

MOVING A PATIENT BETWEEN CORDLESS AND CORDED SENSOR

If you are moving a patient from a cordless sensor pad/device to a corded ensor pad/device, there is no need to reprogram to the different pad When the monitor is connected to the corded sensor pad it will te only with the corded sensor pad and not with the cordless

When the monitor is disconnected from the corded sensor pad, it will alarm

3. Position the patient in the bed or chair. 4. When pressure is applied and held to the corded sensor pad, the following

Bed and Chair Pads

prior to use with a patient

The monitor will beep twice The "OTHER" LED under the "SENSOR" section will flash green two

PLACE THE SENSOR AND PATIENT

1. Write in the "Put into use Date" on all pads, and the "Pad Replacement

2. Position the sensor pad where the buttocks area of the patient will be

placed (see the diagram on the sensor pad), with the pad stem coming

out the back of the chair or side of the bed. In some circumstances, the

guarantee that the products will work correctly in all circumstances.

sensor may be placed under air or foam chair pads. However, we cannot

Therefore, a thorough testing of the products in this manner is required

Date" if you are using the monitor with the standard corded pad

The "OTHER" LED will blink green approximately every three seconds

The monitor will beep

The "BED or CHAIR" LED under the "SENSOR" section will flash green

 To install the seat belt, refer to the direction of use provided with the seat belt sensor. 2. Position the patient in the wheel chair and fasten the seat belt around

Toilet Seat Sensor

2. Route the sensor pad cord discreetly. Remove the adhesive backing from

4. When pressure is applied to the pad, the following will occur, confirming that the cord is connected and the batteries have been installed properly: The monitor will beep twice

The "OTHER" LED under the "SENSOR" section will flash green two

The "OTHER" LED will blink green approximately every three seconds Nurse call will be notified (if connected)

Floor Mat/Cushion
I. Place the floor mat or floor cushion in the desired location, such as a critical

doorway or next to a bed.

The monitor will been twice

occur, confirming that the cord is connected and the batteries have been installed properly:

The "OTHER" LED will blink green approximately every three seconds Nurse call will be notified (if connected)

but automatically communicate again with the cordless sensor pad(s)/device(s) after pressing the "CANCEL/RESET" button.

PANEL 8

PANEL 6 PANEL 7

WARNING

afacturers with this monitor. Only use Curbell sensor pads with

TESTING THE MONITOR

WARNING

ls to sound its alarm in testing.

NEVER use if the monitor cannot be securely mounted to the wheelcha neadboard, or door bracket.

- 1. Visually inspect the monitor for physical damage. If damage is noted,
- 2. Make sure the monitor is securely mounted to the wheelchair headboard, wall bracket, or magnetic bracket.
- 3. Connect the sensor to the monitor. If you are using the monitor with a Cordless Sensor Pad/Device, make sure to pair to the monitor (: "Cordless Sensor Pad/ Device Use")
- 4. Plug in the nurse call cord (see "Using the Monitor with Nurse Call).
- **5.** Plug the AC power cord into an outlet (this step is optional, since the monitor runs on battery power).
- 6. When placing and holding pressure on the pad or when fastening the seat belt, the following will occur confirming that the cord is connected/pad is pair and the batteries have been installed properly:
- The monitor will beep twice (if the volume is on) and the "OTHER" LED under the "SENSORS" section will blink green two times
- The green "OTHER" LED under the "SENSORS" section will blink nately every three seconds
- NOTE: When using the floor mat the green "BED", "CHAIR" or "OTHER" sensors LEDs, will NOT blink. When pressure is placed on the mat, the monitor will alarm. Press the CANCEL/RESET button to cancel the
- 7. When a bed, chair, or toilet seat pad has pressure applied and then released, a seat belt is unfastened, or a floor mat/cushion is stepped on, the following will occur, confirming that the unit is operational:
- The monitor will alarm (if volume is on)
- The CANCEL/RESET button will flash and the "BED", "CHAIR" or "OTHER" LED will flash red Nurse call will alarm (if connected
- 8. To cancel the alarm, press the RESET button and reset nurse call at the patient station (if connected).
- NOTE: If there is any other visual or audible alarm, see the LED/LIGHT
 ALARM INDICATORS and TROUBLESHOOTING sections of this
 manual. For further assistance, read the directions supplied with the
 sensor pad, mat, cushion, or seat belt or call Rondish at (852)
 25416685
- The monitor and cordless pad utilize radio signals to communicate to one another. Communication distance varies for each facility. Although the monitor is able to communicate up to 30 feet away from the sensor, it is recommended that the monitor be placed in close proximity to the sensor. Test at the desired distance before putting the system into service. In order to confirm a reliable link, test at a longer range than the intended use. See the list below:

Actual Distance (Pad to Monitor)	Test Distance (Pad to Monitor)
6 FT	9 FT
10 FT	15 FT
15 FT	23 FT
20 FT	30 FT
30 FT	45 FT

- Avoid mounting the NGM-31 to a metal, brick or plaster surface Avoid placing the pad and NGM-31 on opposite sides of a wall or large metal objects

PANEL 9

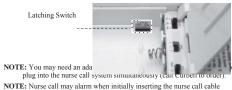
Whenever possible, the pad transmitter should be positioned horizontally and the NGM-31 mounted upright.

NURSE CALL SETUP

cted to a nurse call system, so that when the alarm is activated, a call will be placed to the nurse's station. The monitor is atible with a normally open nurse call system only, using a 1/4" mono nurse call jack.

To connect the monitor to your nurse call system at the patient station, plus one end of the nurse call connection cable into the monitor's NURSE CALL jack, and the other the end of the nurse call connection cable into the 1/4" jack on the patient station (at the wall).

The monitor is factory set to be non-latching (compatible with industry-standard latching nurse call systems). To change the monitor to latching (compatible with a non-latching nurse call systems), change the position of the Latching On/Off Switch (located in the battery compartment) to "ON



NOTE: Nurse call may alarm when initially inserting the nurse call cable plug into the patient station. To cancel the alarm, reset nurse call at the patient station.

NOTE: Volume may not be adjusted when in the alarm mode.

NOTE: Volume setting "NC OFF" is silent ONLY if the nurse call cable is plugged into the monitor's nurse call jack. Whenever the "NC OFF" setting is selected and the nurse call cable is not connected or removed from the monitor's 1/4" nurse call jack, the volume will no longer be silent and will default to a "LO" volume setting of 89dB.

WARNING

system will alarm, but the monitor will not alarm. Once the nurse call system alarm is cancelled at the patient station (at the wall), no audible alarm will be able to activate if the monitor's volume was set to "NC OFF". To enable an audible alarm under this scenario, do one or more of the following:

- ? Set the monitor's volume to the "LO" or "HI" audible setting
- ? Remove the nurse call cable from the monitor (which will reset the monitor's volume to the "LO" volume setting)
- ? Reconnect the nurse call cable to the wall jack (other end of the nurse call cable must also be plugged into the monitor's jack) allowing for the nurse call system's audible alarm.

CAUTION

val of the nurse call cable from the nurse call patient station will no cause the monitor to alert. It is recommended that the nurse call system be tested and set up to alert if the cord is removed.

TESTING NURSE CALL

- 1. When placing and holding pressure on the sensor pad or when fastening the seat belt, the following will occur confirming that the cord is connected/pad is paired and the batteries have been properly installed:
- The monitor will been twice
- The green "BED". "CHAIR" or "OTHER" LEDs in the "SENSORS" The green "BED". "CHAIR" or "OTHER" LEDs in the "SENSORS"
- tion, will blink approximately every three seconds NOTE: You may need to relocate the monitor and the sensor pad to a
- different location during the pairing process, to avoid the unplanned pairing another sensor pad or device in range.
- 2. Test the unit by doing one of the following: Bed or Chair pad - apply pressure to the pad and release
- Seat Belt unfasten
- Floor Mat/Cushion step onto the mat The following will occur:
- The monitor alarm will sound
- The "BED", "CHAIR" or "OTHER" LEDs in the "SENSORS" section flash yellow
- The "CANCEL/RESET" button will flash
- The nurse station alarm will activate when the local alarm sounds (if connected)
- 3. To cancel the alarm, press the "CANCEL/RESET" button on the face of the monitor, and reset nurse call at the patient station (if
- 4. Test nurse call jack removal alarms:
- If the nurse call jack is removed from the monitor, the monitor will alarm, but a call will not be placed into your nurse call system. To cancel the monitor alarm, either reinsert the nurse call cable, or press the cancel/reset button.
- If the nurse call jack is removed from the nurse call patient station, a call will be placed into your nurse call system, but the monitor will not alarm. To cancel the nurse call alarm, reset nurse call at the patient station and/or reinsert the nurse call jack.
- NOTE: Nurse call may alarm when reinserting the nurse call cable plug into the patient station. To cancel the alarm, reset nurse call at the patient
- NOTE: If there is any other visual or audible alarm, see the LED/LIGHT ALARM INDICATORS and TROUBLESHOOTING sections of this manual. For further assistance, read the directions supplied with the sensor, or callRondish at (852) 25416685

WARNING

all connection cable from the monitor is removed from the patient static

CAUTION

TROUBLESHOOTING AND NOTIFICATIONS

TROUBLESHOOTING			
SYMPTOM	POSSIBLE SOLUTIONS		
No power	Check the battery connection and replace all three batteries with new AA batteries (Energizer Industrial batteries or equivalent are recommended).		
Chirping sound and yellow "REPLACE BATTERY" LED blinks	Replace all three batteries with new AA batteries (Energizer Industrial batteries or equivalent are recommended).		
False alarms occur	Check sensor placement (see "Place the Sensor and Patient").		
	Increase the delay setting (see "Delay Control").		
	Check for proper connection between the monitor and sensor.		
	Check for wear or damage to the sensor.		
	Check LEDs under the "ALERTS" section of the monitor (see the "LED Light/Alarm Indicators" chart below).		
Audible alarm not loud enough	Check to see if volume setting is set to NC OFF or LO and increase volume level to HI.		
Alarm constantly sounds	Check LEDs under the "ALERTS" section of the monitor (see the "LED Light/Alarm Indicators" chart below).		
No alert is given to the facility's nurse call system	Check the connection between monitor and the nurse call patient station.		
	Verify that your nurse call system is a normally open configuration.		
	The system requires a 1/4" mono nurse call jack and/or an adaptor for compatibility (Call Curbell for adaptor information).		
Alarm delay does not respond in set time	Verify the setting on the alarm delay switch (see "Delay Control").		
Cordless sensor pad/device does not pair to the monitor	Check that the transmitter in the sensor pad is securely connected with no visible cord or connector damage.		
	Check the "Transmitter Expiration Date" written on the transmitter to see how long it has been in service and if past due.		
	Check that the transmitter's ON/OFF switch has been permanently turned ON. The red STATUS/IN USE light on the transmitter blinks approximately every 30 seconds.		
	Check that no part of the pad/mat (including in the neck of the sensor) is folded and/or creased.		
	Check that the sensor is in a flat position on a flat surface with no heavy blanket, gel, or foam interfering.		
	Check that the pad is within 30 feet of the monitor.		
	Check that the transmitter and transmitter antenna are properly connected and positioned to maximize range and performance (see the "cordless mat use" illustration).		
	Check that a corded sensor pad is not plugged into the monitor.		
The nurse call alarm automatically cancels shortly after it is initiated	You have a non-latching nurse call system. Change the Latching On/Off switch to "ON" (see the Nurse Call Setup section)		

LED LIGHT/ALARM INDICATORS

TROUBLESHOOTING

EVENT	LED LIGHT AND AUDIBLE ALARM	CORRECTIVE ACTION
System is functioning properly (ex. patient is on pad)	The "BED, CHAIR or OTHER" LEDs in the "SENSORS" section will blink green every 3 seconds (does not apply when used with floor mat/cushion sensors)	No action required
Patient attempts exit:	Full-Grade Alarm notification:	1. Press the CANCEL/RESET button to cancel the alarm
Pressure is removed from the sensor pad	Audible alarm at set volume	2. Reset nurse call (if connected)
Seat belt is unfastened	The "BED, CHAIR or OTHER" LEDs will flash yellow	3. Test the unit (see "Testing the Monitor")
	The "CANCEL/RESET" button will flash	
Pressure is placed on floor mat/cushion	Nurse call notified (if connected)	
Movement detected by the Motion Sensor		
Pressure is removed from the toilet seat sensor		
Sensor pad, floor mat/cushion or seat belt cord is disconnected from monitor	Full-Grade Alarm notification:	1. Press the CANCEL/RESET button to cancel the alarm 2. Reconnect the cord
	Audible alarm at set volume The "OTHER" LED will flash yellow	3. Reset nurse call (if connected)
	The "SIGNAL LOSS" LED in the "ALERTS" section will flash yellow	4. Test the unit (see "Testing the Monitor")
	The "CANCEL/RESET" button will flash	4. Test the unit (see Testing the Monitor)
	Nurse call notified (if connected)	
Replace Battery	Replace Battery/Final Alarm notification when battery life has expired:	1. Press the CANCEL/RESET button to cancel the alarm (the red LED will continue to blink)
	Audible chirp	2. Reset nurse call (if connected)
	"REPLACE BATTERY" LED in the "ALERTS" section will blink red	3. The alarm will repeat in 24 hours after reset, if the batteries are notreplaced
	The "CANCEL/RESET" button will flash	4. Replace with three new AA batteries (Energizer Industrial or equivalent are recommended)
	Nurse call notified (if connected)	5. Test unit (see "Testing the Monitor")
Change Sensor Pad (timed pads only)	Replace Pad/Continual Low-Grade Alarm notification when 10 days of life remain on	1. Press the CANCEL/RESET button to cancel the alarm (the yellow LED (10 days reminder notifications, every 24 hours) will continue to blink)
	the sensor pad: Audible chirp	2. Reset nurse call (if connected)
	"REPLACE SENSOR" LED blinks yellow	3. Low-Grade alarm will repeat every 24 hours for 10 days with the LED changing from yellow to red after the fifth day (if the pad is not replaced in (a continual Full-Grade alarm (below)) will occur after 10 days)
	"BED", "CHAIR or "OTHER" will blink yellow	4. Replace with a new Curbell pad (if using a cordless pad, see "Cordless Sensor Pad/Device Use")
	The "CANCEL/RESET" button will flash	5. Test unit (see "Testing the Monitor")
	Nurse call notified (if connected)	
	, ,	
	Replace Pad/Hi Grade Alarm notification when sensor pad life has expired:	1. Full-Grade alarm will continue to activate until the pad is removed/replaced
	Audible alarm at set volume	2. Replace with a new Curbell pad (if using a cordless pad, see "Cordless Sensor Pad/Device Use")
	"REPLACE SENSOR" LED Flashes red	3. Test unit (see "Testing the Monitor")
	The "CANCEL/RESET" button will flash	
	Nurse call notified (if connected)	
The nurse call cable is removed from the nurse call patient station at the wall	Call is placed into nurse call system (monitor will not alarm unless other end of	1. Reset nurse call at the patient station to cancel the nurse call alarm
	the cable is removed from monitor).	2. Reconnect the cable
The nurse call cable is removed from the monitor	The monitor will alarm (a call will NOT be placed into the nurse call system unless	1. Press the CANCEL/RESET button to cancel the alarm
	the cable is removed from the nurse call patient station at the wall). Audible alarm at set volume (If set to "NC OFF" it will be the same	2. Reconnect the cable
	level as the "LO" volume setting).	
	The "SIGNAL LOSS" LED in the "ALERTS" section will flash yellow.	
	The "CANCEL/RESET" button will flash.	
	Nurse call notified (if connected).	
AC power is lost (AC cord disconnected or power outage)	Low-Grade Alarm notification:	1. Reconnect the cord or press CANCEL/RESET button to cancel the alarm
	Audible alarm at set volume	2. Reset nurse call (if connected)
	The "SIGNAL LOSS" LED in the "ALERTS" section will flash yellow	
	The "CANCEL/RESET" button will flash	
	Nurse call notified (if connected)	
	Low-Grade Alarm notification:	Make sure that the sensor pad is within 30 foot unobstructed range of the monitor.
	Audible alarm at set volume	Check that the transmitter in pocket has not been turned off and the red status in-use light flashes approximately every 30 seconds.
	The "SIGNAL LOSS" LED in the "ALERTS" section will flash yellow	Make sure that the patient is not lying or sitting directly on the sensor transmitter.
Cordless Transmitter Signal Lost	The "CANCEL/RESET" button will flash	The transmitter and transmitter antenna are set up properly (see the "cordless mat use" illustration).
	Nurse call notified (if connected)	Make sure that rubber bands and clips are used to secure the bed sensor pad to the bed so the sensor is properly positioned under the buttocks area and the transmitter
		hangs off the side of mattress, preferably on the same side of bed/room as the monitor.
		Make sure that no walls or metal objects are between the pad and
		monitor. For more information, see "Transmitter Signal Lost
		Notification/Replacement*

REPLACE BATTERY

When the monitor's batteries need replacing, the monitor will activate a low-grade alarm (chirp and the "REPLACE BATTERY" LED will blink yellow and nurse call will be notified (if connected).

The monitor alarm may be temporarily canceled by pressing the "CANCEL/ RESET" button on the face of the monitor, and resetting nurse call at the patient station (if connected) to allow time for continued use until batteries are replaced. The battery alarm will then reactivate after 24 hours and a continual full-grade alarm (audible alarm at set volume, and "REPLACE BATTERY" LED flashes.

Nurse call will be notified (if connected) will sound if attempting to reactivate the monitor until the batteries are removed/replaced.

Replace low batteries with three new AA alkaline batteries (Energizer

After replacing the batteries, test the unit to make sure the batteries are working correctly (see "Testing the Monitor"). REPLACE

NOTIFICATION/ REPLACEMEN Replace the pad on or before the "Pad Replacement Date" written on the pad.

Timed Pads

The timed pad technology (timed cordless or corded pads only) has an internal clock which will count down the life of the pad only when the pad is connected/paired to the monitor. The monitor will automatically activate an alarm notification to replace the pad at the end of its life.

Replace Pad Notification

When the sensor pad's life span has only ten days remaining, the monitor will activate a Low-Grade alarm (chirp, the "REPLACE SENSOR" LED under the "ALERTS" section of the monitor, will blink vellow, the "BED "CHAIR" or "OTHER" LED will blink vellow, the "CANCEL/RESET" button will flash and Nurse call notified (ifconnected)

The monitor alarm may be temporarily canceled by pressing the CANCEL/RESET button on the face of the monitor, and resetting nurse call at the patient station (if connected) to allow time for continued use until the pad is replaced. The pad alarm will repeat every 24 hours for 10 days (if pad is not replaced) with the LED changing from yellow to red after the fifth day, until the pad has fully expired.

If the pad has fully expired a continual full-grade alarm will sound (audible alarm at set volume, "Replace Senor" LED flashes red, the "CANCEL/RESET" button will flash and nurse call will be notified (if connected) until the sensor pad is replaced. After replacing the pad, test unit to make sure pad is working correctly (see "Testing the Monitor"). NOTE: If more than one pad is paired to the monitor, in order to distin

which pad is signaling a replacement notification check to see if the BED, CHAIR or OTHER LEDs are blinking yellow.

WARNING

Date" noted on the pad (standard pads only). Replace an outdated pad immediately with a new pad.

AC POWER LOST NOTIFICATION

When the AC power to the monitor is lost (AC cord is disconnected or power outage), the monitor will activate a Low-Grade alarm (chirp, "SIGNAL LOSS" LED blinks yellow, the "CANCEL/RESET" button will flash and nurse call will be notified if connected).

To cancel the alarm reinsert the AC nower cord and/or press the CANCEL/RESET button, and reset nurse call at the patien

CAUTION

tallation of batteries is required even if using an AC Adapto

CLEANING AND CARE

Clean with a non-aggressive, disinfectant cleaner (a 1:100 bleach

Do not submerge the monitor in any liquid. $Cleaning/disinfecting \ equipment \ between \ patients \ according \ to \ facility \ guidelines \ and \ protocol \ is \ recommended.$

REPAIR

WARNING

NEVER attempt to repair a monitor. Call Rondish at

(852) 25416685 if the monitor fails to work.

WARRANTY

Rondish Company Limited warrants to the original purchaser that this fall management monitor is reasonably free from defects in manufacture for a period of two years from the date of delivery to the original purchaser. Rondish Company Limited reserves the right to determine if any material or parts are to be repaired or replaced.

Any replacement parts are warranted only for the remainder of the original warranty period for the unit.

RONDISH COMPANY LIMITED DOES NOT WARRANT FALL MANAGEMENT MONITORS FOR FAILURE TO PERFORM DUE TO ACCIDENT, CASUALTY, MISUSE, OR ABUSE: FIRE, LIOUID DAMAGE. LIGHTNING. VANDALISM. TAMPERING: IMPROPER SETUP OPERATION MAINTENANCE OR TESTING UNAUTHORIZED SERVICE OR IMPROPER REPAIR: OR USE

EXCEEDING TWO YEARS. THERE ARE NO OTHER WARRANTIES. EXPRESSED OR IMERE ARE NO OTHER WARRANI IES, EAFRESSED OR IMPLIED, AND NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. RONDISH COMPANY LIMITED, SHALL NOT BE LIABLE UNDER THIS WARRANTY (OR UNDER ANY OTHER LEGAL THEORY) FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES

FCC warning statements:

This device complies with part 15 of the ECC Rules Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna. Increase the separation between the equipment and receiver.
 Connect the equipment into an outlet on a circuit different from that to

- Consult the dealer or an experienced radio/ TV technician for help

RF exposure statement:

This equipment complies with FCC radiation exposure requirement set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance

Conforms to UL Std 1069

Rondish Company Limited

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