EXCEL

Wireless Nurse Call System NC-9000 Series
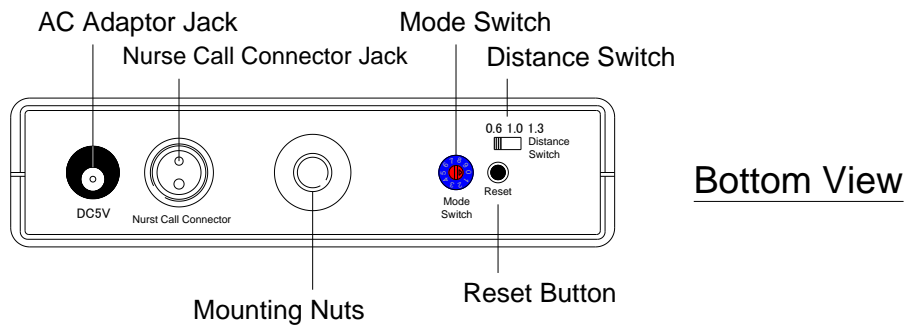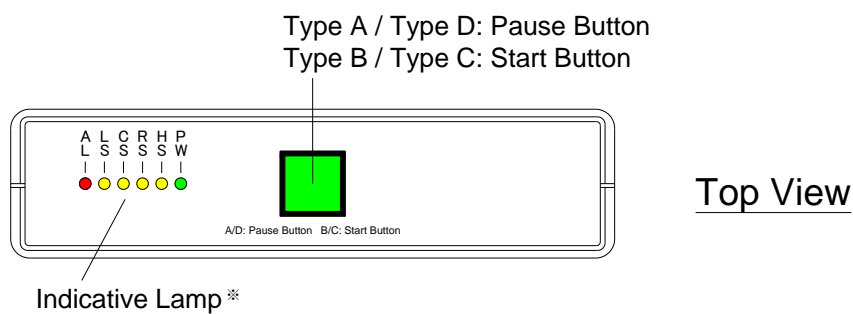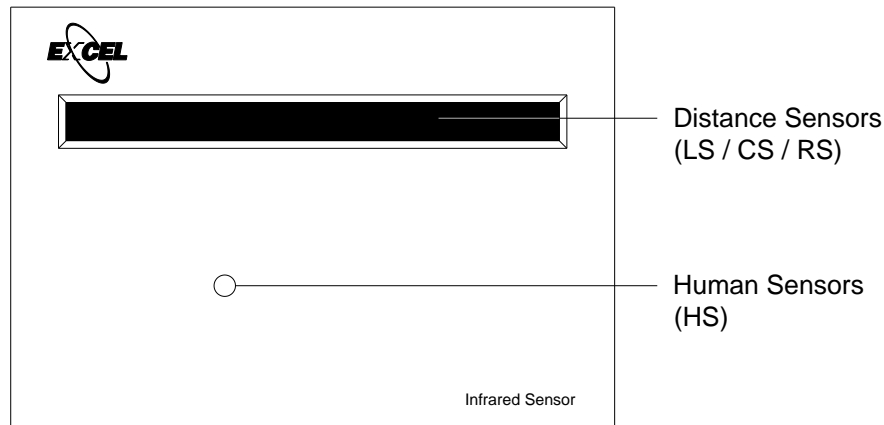
Instruction Manual

Contents

Infrared Sensor

NC-9000TXMS

Distance Sensors
(LS / CS / RS)

Human Sensors
(HS)

Type A / Type D: Pause Button
Type B / Type C: Start Button

Top View

Indicative Lamp ※

AC Adaptor Jack
Nurse Call Connector Jack

Mode Switch
Distance Switch

Bottom View

Mounting Nuts

Reset Button

※Indicative Lamp:

PW – Power Lamp   (Green LED)

HS – Human Sensor Lamp   (Yellow LED)

RS – Right Distance Sensor Lamp   (Yellow LED)

CS – Center Distance Sensor Lamp   (Yellow LED)

LS – Left Distance Sensor Lamp   (Yellow LED)

AL – Alarm Lamp   (Red LED)

Features

The infrared sensor has four types detection and two types connection.

1.1　　　Detection Type:

Type A:　Detect the movement of patient on the bed, such as get up.

Type B:　Detect the patient leave from the bed, such as fall over to ground.

Type C:　Detect the patient who non-return to the bed within set time.

Type D:　Detect the patient who leaves the safe area, such as leave the patient room.

1.2　　　Connection Type:

1.2.1　　Wireless System:

That is NC-9000 wireless nurse call system. The infrared sensor generates a pulse alarm signal will be send to receiver via wireless system.

1.2.2　　Wire System:

The nurse call connector jack also can transfer a pulse alarm signal, when alarm is activated. The function is also suitable all types.

If need, please connect between nurse call connective jack and current nurse call system with connective cable (MS-03).

※Note1: Wire system type is an extra function. When wireless system had been set-up, the cable system isn't necessarily needed.

Type A:

This type requires human sensor and three distance sensors for detection.

When human sensor and one of them distance sensor detected any person move in detective zone, it will be activated.

Installation:

2.1.1   Register with receiver.

(Refer to the section for Receiver or Portable Receiver.)

2.1.2   Adjust the mode switch to position "0" or "1", which two options are depending on desire detection time. (Refer to Mode Data table)

2.1.3   Select the sensing distance by distance switch.

2.1.4   Fix the infrared sensor to suitable position.

Please note the best detection distance is between 20cm to 130cm.

Recommend the high should be higher, then the bed headboard at least 10cm, and the sensors can sense the patient when his/her sits up on the bed.
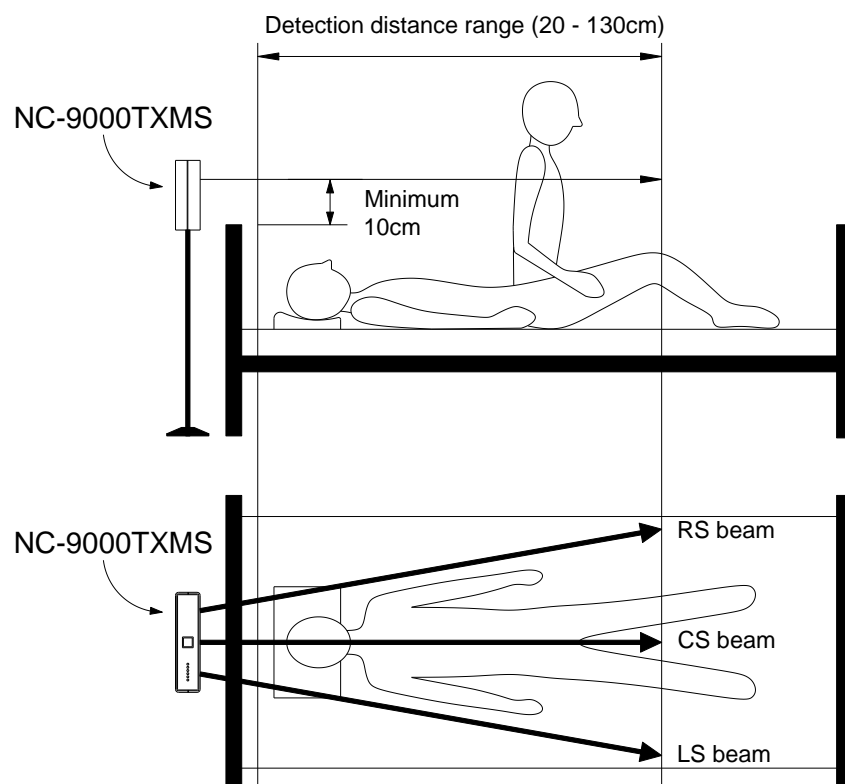
The diameter of each beam is 4cm

Usage

2.2.1   Connect the power via suitable adaptor.

2.2.2   The PW lamp will light up and the sensor lamp will flash once from HS lamp to LS lamp one by one. That mean is the sensor had readied.

2.2.3   When someone approaches the bed, the HS lamp will flash, but the sensor still won't be activated.

2.2.4   When the patient got up or anyone approaches the detective range, the LS / CS / RS lamp(s) and HS lamp will light up, then the alarm will be activated.

2.2.5   The AL lamp will flash, and a pulse alarm signal will transmit to receiver.

Pause Function

When the nurse helps the patient to take medication or other needs, the alarm sensor need to pause.

2.3.1   When press pause button, the main unit will be suspended the detect function. All sensor lamps (HS, RS, CS, LS) will light up.

2.3.2   After 30 seconds, HS lamp will off;

2.3.3   After 60 seconds, RS lamp will off;

2.3.4   After 90 seconds, CS lamp will off;

2.3.5   After 120 seconds, all sensor lamps will flash.

2.3.6   After 150 seconds, all sensor lamps will off. And all sensors will resume detection automatically.

2.3.7   If press pause button during suspend time, all sensor lamps will off and all sensors will resume detection.

Type B & Type C:

The base function of type B and type C that is same. They just different in detection time only. The detection time unit of type B is second; the detection time unit of type C is minute. That is for different application.

These types require three distance sensors for detection.

Although the detective distance can adjust to 1.0m & 1.3m, it is recommended to use 0.6m for type B & type C.

When the patient is lying in bed, the distance sensor will monitor the head of patient. If the head leave the monitor zone, the alarm signal will be activated.

Installation

3.1.1   Register with receiver.

(Refer to the section for Receiver or Portable Receiver.)

3.1.2.1 Type B: Adjust the mode switch to position "4", "5" or "6", that three options are depending on desire detection time. (Refer to Mode Data table)

3.1.2.2 Type C: Adjust the mode switch to position "7", "8" or "9", that three options are depending on desire detection time. (Refer to Mode Data table)

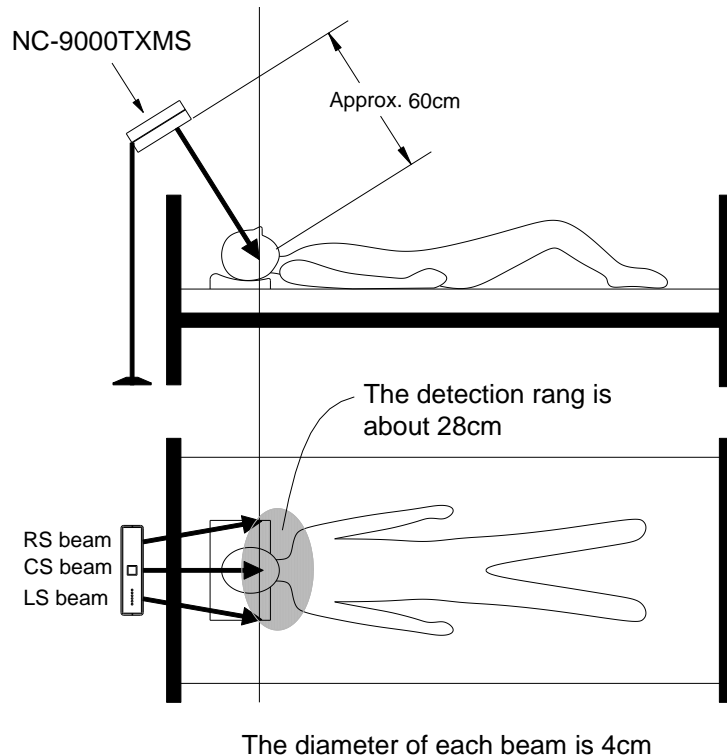3.1.3   Setting the distance switch to 0.6m.

3.1.4   Connect the power via suitable adaptor.

3.1.5   The PW lamp will light up and the sensor lamp will flash once from HS lamp to LS lamp one by one. That mean is the sensor had readied.

3.1.6   Then, HS lamp will flash[※] and AL lamp bright.

3.1.7   Put the sensor main unit approaches to head of patient, then the distance sensor lamp will light up. The distance between head and sensor main unit need within 60cm. But the pillow must be over 60cm from main unit. When the head is lying on pillow, three sensor lamps (RS / CS / LS) must be bright. When remove the head from the pillow, the three sensor lamps must be off.

※Note2: In these types, HS lamp does not represent the HS sensor. HS lamp flashing indicates that it is setting mode at the time.

NC-9000TXMS

Approx. 60cm

The detection rang is about 28cm

RS beam
CS beam
LS beam

The diameter of each beam is 4cm

Usage

3.2.1　After fix the sensor main unit on the suitable position, press the start button.

3.2.2　HS lamp bright.

3.2.3　The head of patient left the pillow, then the HS lamp off and the AL lamp flash.

3.2.4　If the head of patient back to the pillow within detection time, then the HS lamp bright again and the AL lamp off.

3.2.5　If the head of patient don't back to the pillow, then the alarm will be activated after detection time.

3.2.6　When alarm activated, the AL lamp will flash, and a pulse alarm signal will transmit to receiver.

Type D:

This type requires CS distance sensors only for detection.

When CS distance sensor detected any person move in detective zone, it will be activated.

Installation

4.1.1　Register with receiver.

(Refer to the section for Receiver or Portable Receiver.)

4.1.2　Adjust the mode switch to position "2" or "3", which two options are depending on desire detection time. (Refer to Mode Data table)

4.1.3　Select the sensing distance by distance switch.

4.1.4　The PW lamp will light up and the sensor lamp will flash once from HS lamp to LS lamp one by one. That mean is the sensor had readied.

4.1.5　Fix the infrared sensor to suitable position.

Door

Aviod the panient leaving the room　　　　Aviod the panient leaving the bed
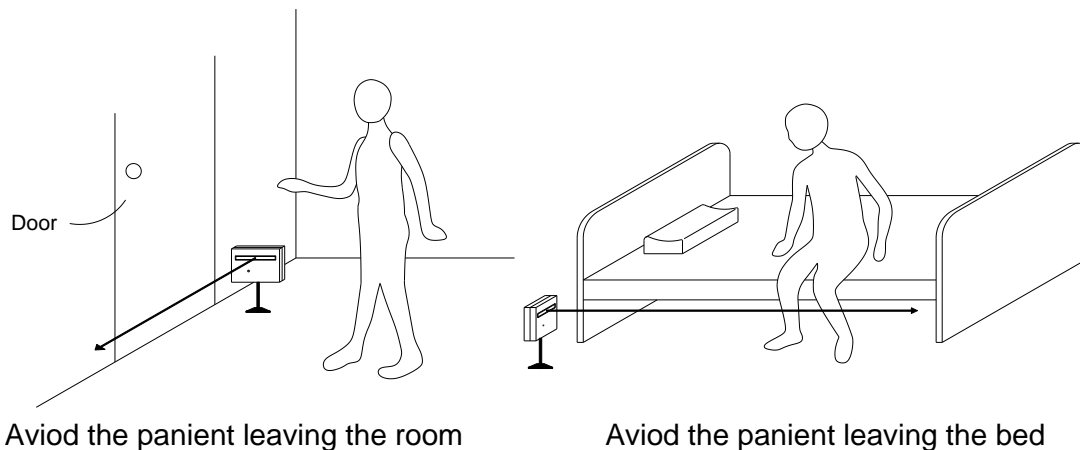
Usage

4.2.1   Connect the power via suitable adaptor.

4.2.2   The PW lamp will light up and the sensor lamp will flash once from HS lamp to LS lamp one by one. That mean is the sensor had readied.

4.2.3   When someone moves in detective zone, the CS lamp bright, then the alarm will be activated.

4.2.4   The AL lamp will flash, and a pulse alarm signal will transmit to receiver.

Pause Function

When the nurse helps the patient to take medication or other needs, the alarm sensor need to pause.

4.3.1   When press pause button, the main unit will be suspended the detect function. All sensor lamps (HS, RS, CS, LS) will light up.

4.3.2   After 30 seconds, HS lamp will off;

4.3.3   After 60 seconds, RS lamp will off;

4.3.4   After 90 seconds, CS lamp will off;

4.3.5   After 120 seconds, all sensor lamps will flash.

4.3.6   After 150 seconds, all sensor lamps will off. And CS sensor will resume detection automatically.

4.3.7   If press pause button during suspend time, all sensor lamps will off and CS sensor will resume detection.

Mode Data:

Mode No.	Mode Type	Detection Sensor		Detection Distance	Detection Time
		Human	Distance		
0	A	HS	LS / CS / RS	0.6m / 1.0m / 1.3m	1.22 sec.
1					1.66 sec.
2	D	--	CS	0.6m / 1.0m / 1.3m	0.77 sec.
3					1.22 sec.
4	B	--	LS / CS / RS	0.6m / 1.0m / 1.3m 0.6m recommended	2 sec.
5					6 sec.
6					10 sec.
7	C	--	LS / CS / RS	0.6m / 1.0m / 1.3m 0.6m recommended	6 min.
8					10 min.
9					30 min.

Specification

Power Source	AC Adapter	Input :　100～240V　50/60Hz Output : DC5V 300mA
Human Sensor		Infrared Pyroelectricity Sensor Distance approx. 5m Angle: 30°
Distance Sensor		Reflective Infrared Sensor Distance approx. 1.3m Spot beam method
Dimension (mm)		155 x 110 x 40
Weight (g)		310
Operating Temperature		5°C～40°C
Operating Humidity		45%～85%
Frequency		920MHz band　(LoRa)
Effective Distance		400m

Magnet Sensor

NC-9000TXMG

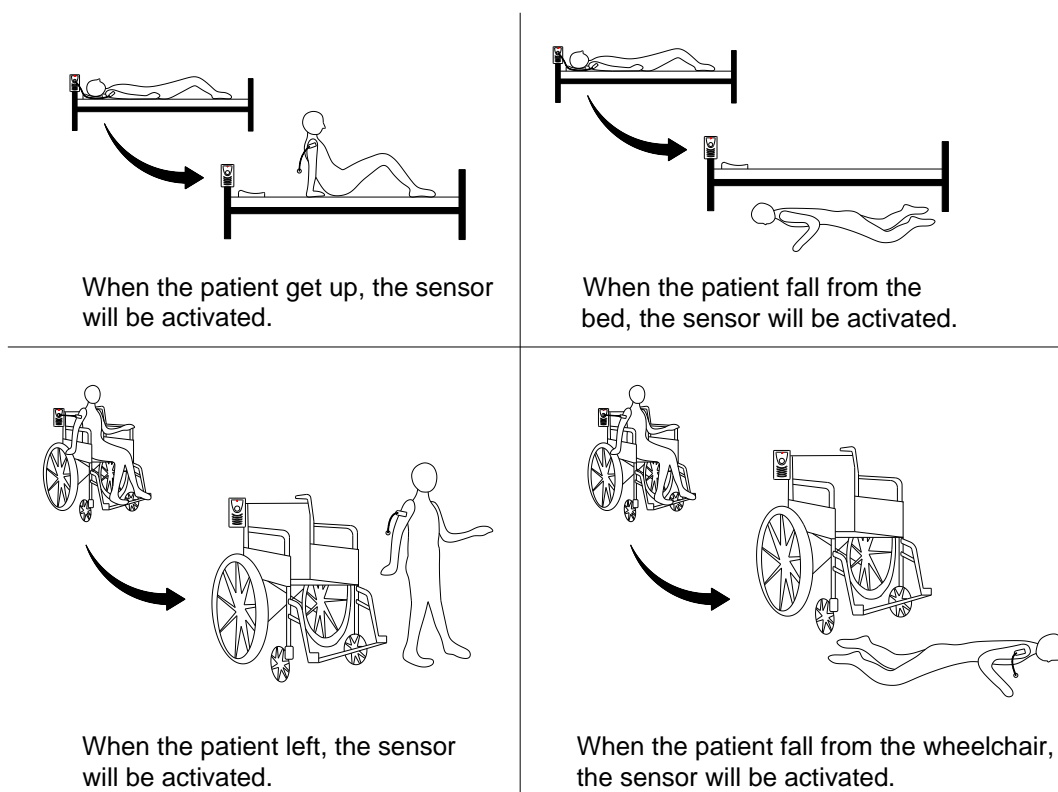Small Clamp

EXCEL
TX
Magnet Sensor

Transmit Lamp

Megnet Unit

Spring Knob
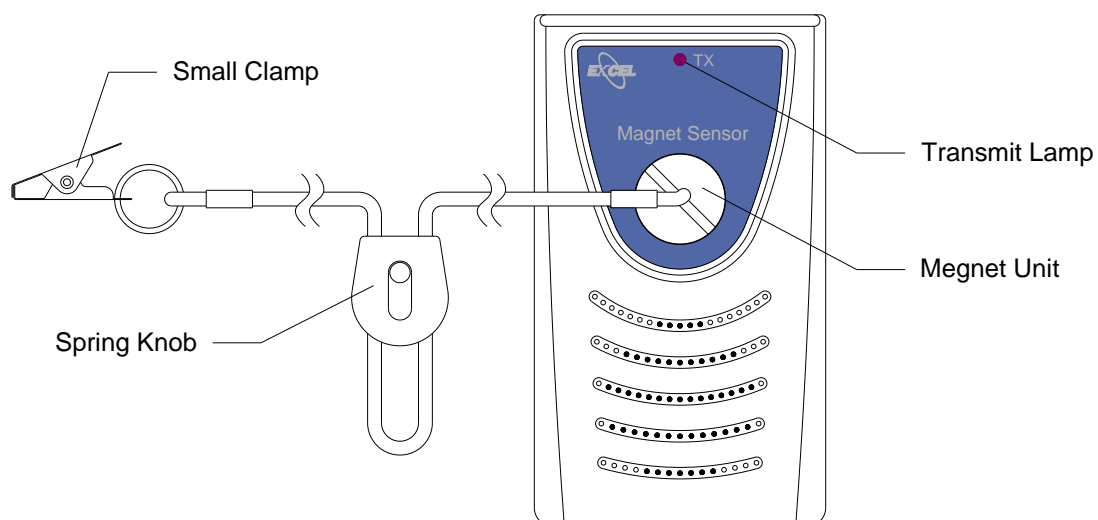
Features

The magnet sensor is designed to alert the caregiver when the patient leaves from bed or wheelchair.

When the patient get up, the sensor will be activated.

When the patient fall from the bed, the sensor will be activated.

When the patient left, the sensor will be activated.

When the patient fall from the wheelchair, the sensor will be activated.

Installation

1.1※ Register with receiver.

(Refer to the section for Receiver or Portable Receiver.)

1.2 The sensor main unit need to fix at bed or wheelchair, and magnet unit also hold on the sensor main unit.

1.3 The small clamp need to clamp the clothes of the patient.

1.4 Adjust the length of the string appropriately.

※Note: Remove the magnet unit from sensor main unit, the alarm will be activated.

Usage

2.1 When the patient leaves the bed or wheelchair, the magnet unit will be pull off from sensor main unit.

2.2 Then, the transmit lamp will blink once, and a pulse alarm signal will be transmitted to receiver.

Low Battery

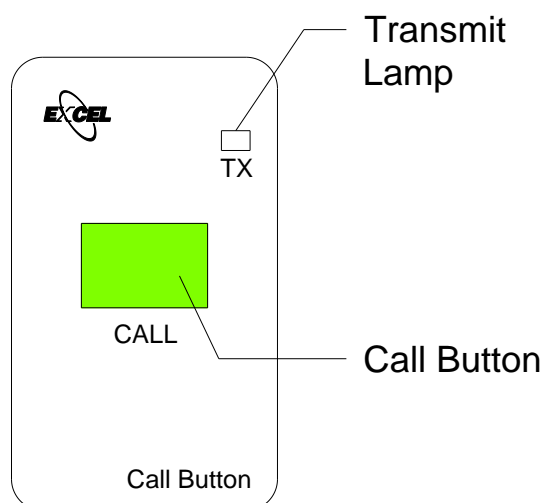When the battery capacity is low, the transmit lamp will blink.

Please replace new battery immediately. If not, the transmitter will failure soon.

Specification

Power Source	AA Alkaline Battery (1.5V)x 2pcs
Dimension (mm)	62 x 111 x 31
Weight (g)	140
Operating Temperature	5°C ~ 40°C
Operating Humidity	45% ~ 85%
Frequency	920MHz band (LoRa)
Effective Distance	400m
Battery Life	Approximately 1 year

Portable Call Button

NC-9000TXPB

Transmit Lamp

TX

CALL

Call Button

Call Button

Usage

When press the call button, the transmit lamp will blink once. A pulse alarm signal will be transmitted to receiver.

※Note: The Portable Call Button have to register with receiver before use.

Please refer the section for Receiver or Portable Receiver.

Low Battery

When the battery capacity is low, the transmit lamp will blink.

Please replace new battery immediately. If not, the transmitter will failure soon.

Specification

Power Source	N-Battery (1.5V) x 2pcs
Dimension (mm)	50 x 85 x 18
Weight (g)	58
Operating Temperature	5°C ~ 40°C
Operating Humidity	45% ~ 85%
Frequency	920MHz band　(LoRa)
Effective Distance	400m
Battery Life	Approximately 1 year

Wall Call Button

NC-9000TXWB
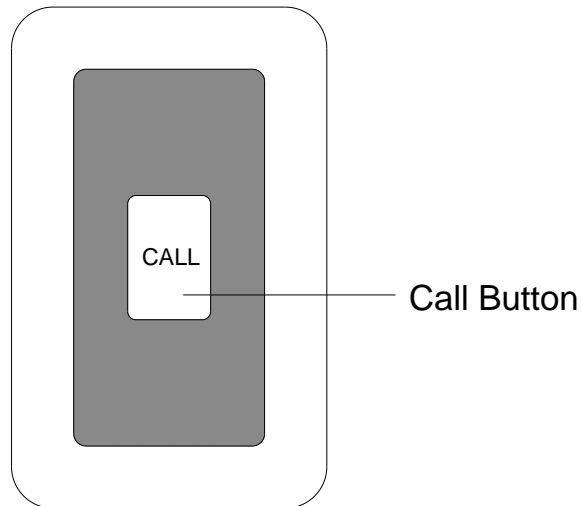
Call Button

Usage

When press the call button, a pulse alarm signal will be transmitted to receiver.

※Note: The Wall Call Button have to register with receiver before use.
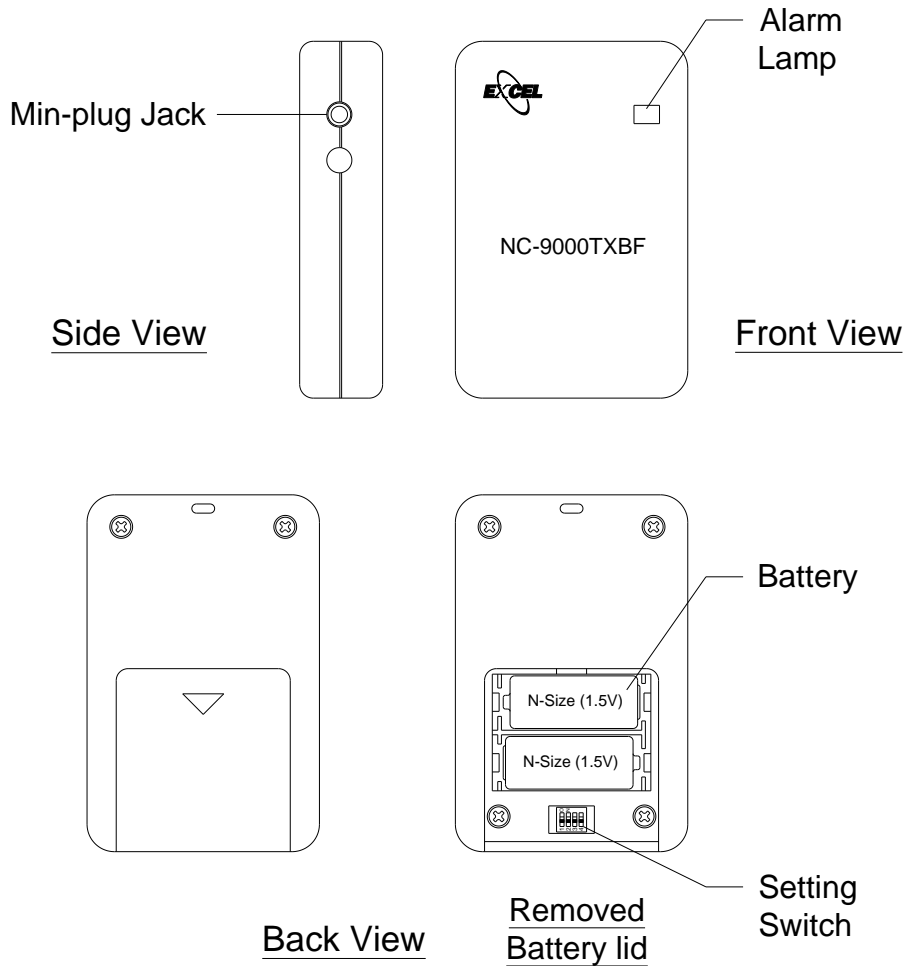
Please refer the section for Receiver or Portable Receiver.

Specification

Power Source	N-Battery (1.5V) x 2pcs
Dimension (mm)	76 x 121 x 50
Weight (g)	245
Waterproof Performance	IPX4
Operating Temperature	5°C ~ 40°C
Frequency	920MHz band　(LoRa)
Effective Distance	400m
Battery Life	Approximately 1 year

Sensor Transmitter

NC-9000TXBF

Alarm Lamp

Min-plug Jack

NC-9000TXBF

Side View

Front View

Battery

N-Size (1.5V)

N-Size (1.5V)

Setting Switch

Back View

Removed Battery lid

Features

The NC-9000TXBF is transmitter for Excel's wireless sensor pad. After connected the wireless sensor pad via min-plug, the transmitter can send the alarm signal to registered receiver.

※Note1: The sensor transmitter have to register with receiver before use. Please refer the section for Receiver or Portable Receiver.

Wireless Sensor Pad Classification

1.1 Floor mode:

When make a pressure to the sensor pad, the alarm will be activated immediate.

Floor mode pad sensor includes as:
- Floor sensor mat
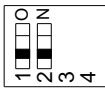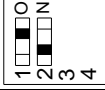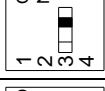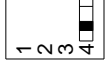- Side-rail sensor pad

1.2 Bed mode:

The sensor pad is always under pressure. When the pressure is released from the sensor pad, the alarm will be activated.

Bed mode pad sensor includes as:
- Bed sensor pad
- Chair sensor pad (Wheelchair sensor pad)
- Toilet sensor pad

Setting

Remove the battery lid. The setting switch will be found. Adjust the small switch by small pin, such as paper clip.

Switch No.	Function		Switch Position	
			Description	Figure
1 & 2	Alert Hold Time	0 sec.	1 - OFF & 2 - OFF	
		1 sec.	1 - ON & 2 - OFF	
		2 sec.	1 - OFF & 2 - ON	
		4 sec.	1 - ON & 2 - ON	
3	No Function		ON	
			OFF	
4	Floor mode		ON	
	Bed mode		OFF	

※Note2: The alert hold time function is available in bed mode only. For floor mode, once activated, it will send the alarm signal out.

Usage

Floor Mode:

2.1 Connect the sensor to min-plug.

2.2 Put the sensor pad to suitable place.

2.3 After making a pressure to sensor pad, the sensor transmitter takes 2 seconds to send the alarm signal out. The alarm lamp of sensor transmitter will also blink once.

2.4 The receiver will receive the signal and alarm.

Bed Mode:

3.1 Connect the sensor to min-plug.

3.2 Put the sensor pad to suitable place.

3.3 Let the patient sit or lie the sensor pad.

3.4 After the patient leaves (releases) the sensor pad and exceeds hold time, the sensor transmitter takes 2 seconds to send the alarm signal out. The alarm lamp of sensor transmitter will also blink once.

3.5 The receiver will receive the signal and alarm.

3.6 When re-pressures the sensor pad again during alarm, the alarm reset signal will be sent to receiver. Then receiver will stop alarm.

Low Battery

When the battery capacity is low, the transmit lamp will blink.
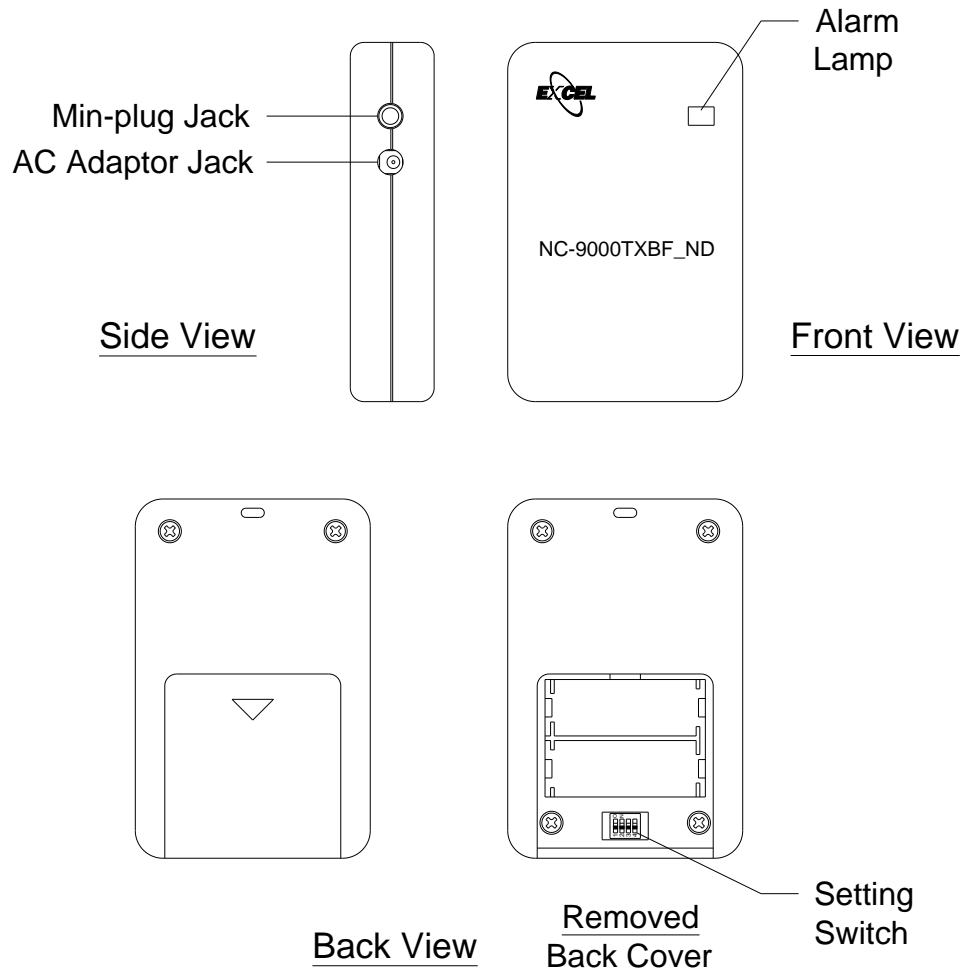
Please replace new battery immediately. If not, the transmitter will failure soon

Specification

Power Source	N-Battery (1.5V) x 2pcs
Dimension (mm)	51 x 78 x 18
Weight (g)	
Operating Temperature	5°C ~ 40°C
Operating Humidity	45% ~ 85%
Frequency	920MHz band (LoRa)
Effective Distance	400m
Battery Life	Approximately 1 year

Sensor Transmitter

NC-9000TXBF_ND

Min-plug Jack ——————

AC Adaptor Jack ——————

Alarm Lamp

NC-9000TXBF_ND

Side View

Front View

Back View

Removed Back Cover

Setting Switch

Features

The NC-9000TXBF_ND is transmitter for Excel's wireless sensor pad. After connected the wireless sensor pad via min-plug, the transmitter can send the alarm signal to registered receiver immediately.

※Note1: The sensor transmitter have to register with receiver before use. Please refer the section for Receiver or Portable Receiver.

※Note2: Don't put any battery to battery compartment. The transmitter connects power adaptor only.

Wireless Sensor Pad Classification

1.3 Floor mode:

When make a pressure to the sensor pad, the alarm will be activated immediate.

Floor mode pad sensor includes as:
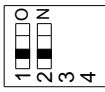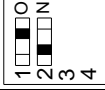- Floor sensor mat
- Side-rail sensor pad

1.4 Bed mode:
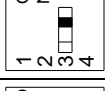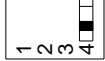
The sensor pad is always under pressure. When the pressure is released from the sensor pad, the alarm will be activated.

Bed mode pad sensor includes as:
- Bed sensor pad
- Chair sensor pad   (Wheelchair sensor pad)
- Toilet sensor pad

Setting

Remove the back cover. The setting switch will be found. Adjust the small switch by small pin, such as paper clip.

Switch No.	Function		Switch Position	
			Description	Figure
1 & 2	Alert Hold Time	0 sec.	1 - OFF & 2 - OFF	
		1 sec.	1 - ON & 2 - OFF	
		2 sec.	1 - OFF & 2 - ON	
		4 sec.	1 - ON & 2 - ON	
3	No Function		ON	
			OFF	
4	Floor mode		ON	
	Bed mode		OFF	

※Note3: The alert hold time function is available in bed mode only. For floor mode, once activated, it will send the alarm signal out immediately.

Usage

Floor Mode:

2.1   Connect suitable AC adaptor and connect the sensor to min-plug.

2.2   Put the sensor pad to suitable place.

2.3   After making a pressure to sensor pad, the sensor transmitter will send the alarm signal out immediately. The alarm lamp of sensor transmitter will also blink once.

2.4   The receiver will receive the signal and alarm.

Bed Mode:

3.1   Connect suitable AC adaptor and connect the sensor to min-plug.

3.2   Put the sensor pad to suitable place.

3.3   Let the patient sit or lie the sensor pad.

3.4   When the patient leaves (releases) the sensor pad and exceeds hold time, the sensor transmitter will send the alarm signal out immediately. The alarm lamp of sensor transmitter will also blink once.

3.5   The receiver will receive the signal and alarm.

3.6   When re-pressures the sensor pad again during alarm, the alarm reset signal will be sent to receiver. Then receiver will stop alarm.

Specification

Power Source	AC Adapter	Input: 100 ~ 240V 50/60Hz
		Output: DC6V 300mA
Dimension (mm)		51 x 78 x 18
Weight (g)		
Operating Temperature		5°C ~ 40°C
Operating Humidity		45% ~ 85%
Frequency		920MHz band (LoRa)
Effective Distance		400m

Receiver
NC-9000RX(B)
NC-9000RX

Antenna

Charging Lamp
(NC-9000RX(B) only)

AC Adater Jack

Alarm Number
Lamp 1 ~ 8

Alarm Number
Lamp 9 ~ 16

Confirm Button

CONFIRM

ALARM RESET

Alarm Reset
Button

Program Button

PROGRAM

POWER

Power Button

Program Lamp

Power Lamp

Reset Button
(Case Bottom)
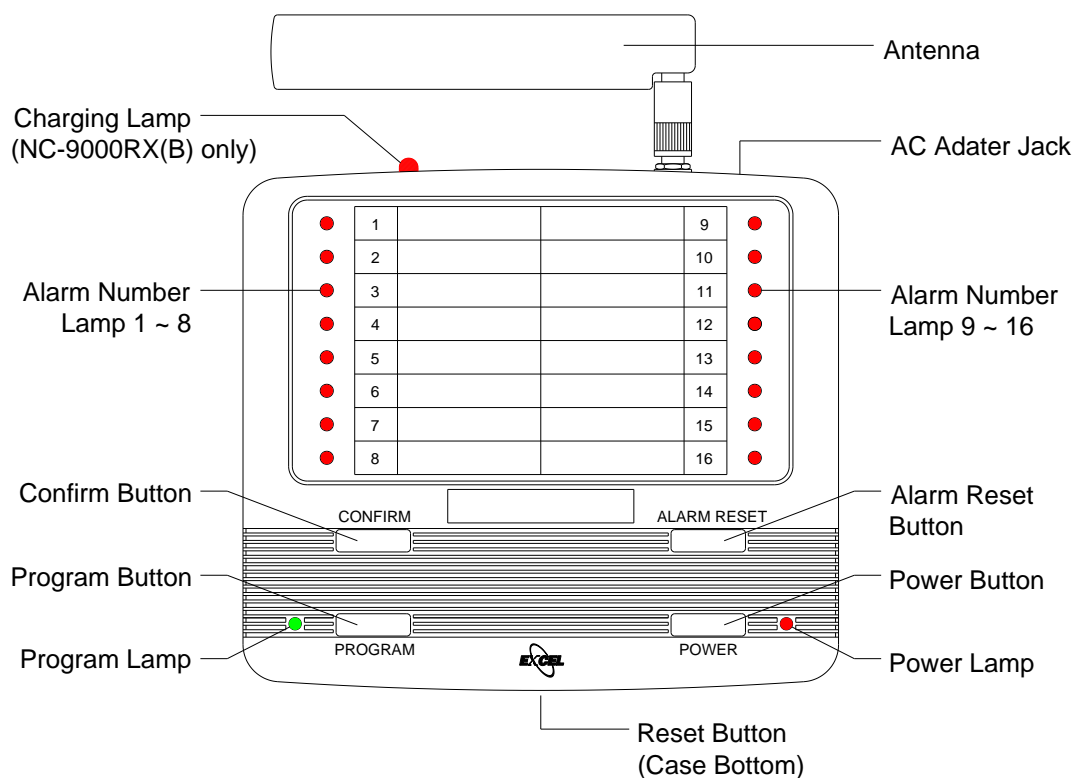
NC-9000RX(B) had built-in the rechargeable battery

NC-9000RX haven't built-in the rechargeable battery.

Register with Transmitter

1.1   Turn on the receiver then the program lamp will blink.

(If the receiver had registered transmitter at before, the lamp won't blink.)

1.2   Press and hold the program button till it makes a beep sound, program lamp off and the alarm lamp number blink.

1.3   The next alarm lamp will blink upon pressing the program button again. Repeat this step to select the desired number.

1.4   After selected, activate transmitter or sensor. It makes a beep sound and the desired alarm number lamp will turn to bright.

1.5   And then the next number lamp will blink. Repeat step 1.3 and 1.4 to register more transmitter.

1.6   After registering the desired transmitter, press the confirm button. When program lamp and all alarm lamp off, that can use immediately.

Checking Registered Number

2.1   Press the confirm button till it makes a beep sound. The receiver will show all registered alarm number.

2.2   It will sound beep and alarm lamps will off automatically after about 4 seconds.

Add Transmitter Registration

3.1   Press and hold program button till it makes a beep sound, program lamp bright and the registered alarm lamp that is smallest number blink.

3.2   Repeat step 1.3 to 1.6 that can add transmitter.

Delete Registration

4.1   Press and hold program button and alarm reset button till program lamp bright and the registered alarm lamp that is smallest number blink.

4.2   The next registered alarm number lamp will blink upon pressing the program button again. It makes a beep sound every time pressing the program button. Repeat this step to select the desired number.

4.3   Press the alarm reset button then the desired alarm number lamp off. The number have cancelled registration.

4.4   Repeat step 4.2 and 4.3 to cancel more transmitter.

4.5   After canceling the desired transmitter, press the confirm button. When program lamp and all alarm lamp off, that can use immediately.

Delete All Registration

5.1   Turn off the receiver.

5.2   Press and hold reset button that is located on bottom with paper clip, then press power button. The program lamp will blink.

Volume Setting

6.1   Turn off the receiver.

6.2   Press and hold confirm button then press power button so that the alarm lamp-1 blink. And it will show current volume level and current alarm sound.

6.3   The alarm sound level will change every time pressing the alarm reset button.

6.4   Press the confirm button and reset button together so that stop alarm sound and confirm setting.

Alarm Sound Setting

7.1   Turn off the receiver.

7.2   Press and hold confirm button then press power button so that the alarm number 1 blink. And it will show current volume level and current alarm sound.

7.3   When press program button every time, the alarm number will be changed one by one, from lamp-1 to lamp-2 and so on. Press program button till desired number lamp blinks.

7.4   Press confirm button so that select alarm sound one by one. There are 8 kinds melody and 8 kinds buzzer sound. Please refer to "Alarm Sound List".

7.5   Press confirm button and alarm button together so that stop alarm sound and confirm setting.

Usage

Suppose that all setting is ready.

8.1   Press power button so that turn on the receiver.

8.2   Activate transmitter/sensor, then the relative alarm lamp blink and ring alarm sounding.

8.3   Activate second transmitter/sensor, then the second relative alarm lamp and ring second alarm sound that is setting before.

8.4   Press alarm reset button so that reset first alarm.

8.5   Press alarm reset button again so that reset second alarm.

Transmitter Low Battery

9.1   When the registered transmitter battery capacity is low, the corresponding alarm lamp of receiver will fast blink.

(The blink speed is faster than alarm happen.)

9.2   When the transmitter replaced new battery, the alarm lamp will turn off.

Charging Function   (NC-9000RX(B) only)

10.1 When connect the AC adaptor, then the charging lamp bright. This means that the receiver is charging now.

10.2 When full changing, the LED will turn off.

※Note: For NC-9000RX(B), the built-in rechargeable battery is making for power back-up only. Under normal circumstances, the receiver must be connected the power via adapter.
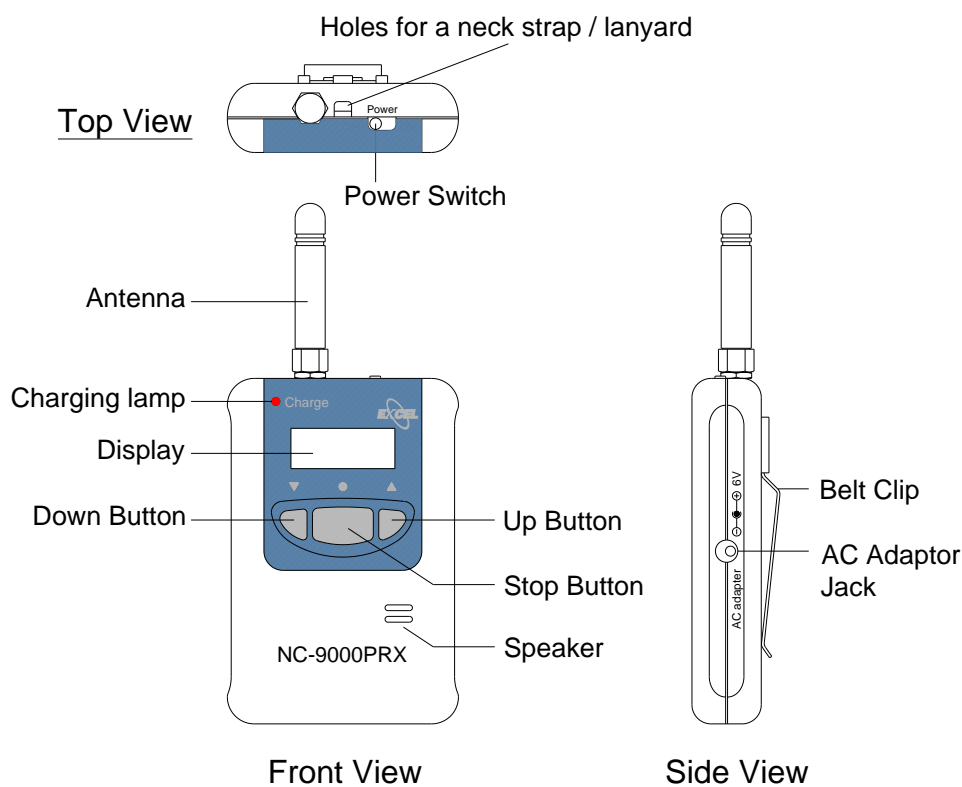
Alarm Sound List

	Melody	Buzzer
1	For Elise	Pi---------Pi
2	Long Long Ago	Pi Pi Pi Pi
3	Vaise du Petit Chien	PPi PPi
4	Humoresque	Pi-Pi Pi-Pi
5	Chopin Nocturne Op9 #2	Pi-Pi- Pi-Pi- Pi-Pi-
6	Lightly Row (Hanschen klein)	Pi---ro Pi---ro
7	Tanuki pup	Piro Piro Piro
8	Mary had a Little Lamb	Piropiropiropiro

Specification

Power Source	AC Adapter	Input :　100～240V　50/60Hz Output : DC5V 300mA
	Rechargeable Battery	3.7V　800mAh (NC-9000RX(B) only)
Power Consumption		3W (appx.)
Receiving Channel		16
Alarm Volume Level		10 levels
Alarm Sound (Melody / Buzzer)		8 kinds each
Default Alarm Sound		For Elise
Charging Time		5 hours (NC-9000RX(B) only)
Dimension (mm)		160 x 140 x 30
Weight (g)	NC-9000RX(B)	310
	NC-9000RX	294
Operating Temperature		5°C ~ 40°C
Operating Humidity		45% ~ 85%
Frequency		920MHz band (LoRa)
Effective Distance		400m

Portable Receiver

NC-9000PRX

Holes for a neck strap / lanyard

Top View

Power Switch

Power

Antenna

Charging lamp

Charge

Display

Down Button

Up Button

Stop Button

Speaker

NC-9000PRX

Belt Clip

6V

AC Adaptor Jack

AC adapter

Front View   Side View
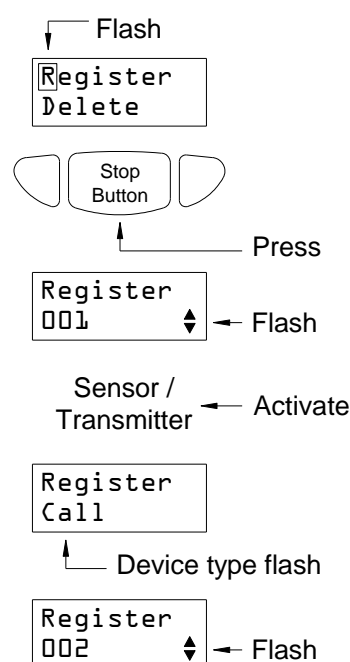
Register with Transmitter

1.1   Press and hold the stop button, then turn on the power. Don't release the stop button till sound beep.

1.2   The display will show "Register / Delete". Press the up / down button to select them. When the word "R" of "Register" flash, press stop button to confirm register.

1.3   Press the up / down button to select desire number.

1.4   Activate the transmitter or sensor. If success register the device, the receiver will sound beep and display will show the device type for 2 seconds.

1.5   When the display will show next number, it can select another number via up / down button.

1.6   Repeat 1.4 and 1.5 to register all devices.

1.7※ Turn off the power when all devices have been registered.

Flash

Register
Delete

Stop Button

Press

Register
001   Flash

Sensor / Transmitter   Activate

Register
Call

Device type flash

Register
002   Flash

Delete Registration

2.1　Press and hold the stop button, then turn on the power. Don't release the stop button till sound beep.

2.2　The display will show "Register / Delete". Press the up / down button to select them. When the word "D" of "Delete" flash, press stop button to confirm delete.
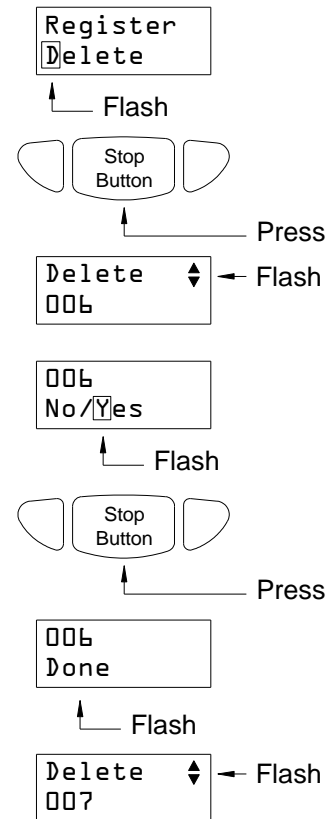
2.3　Press the up / down button to select number to be deleted.

2.4　Press stop button, then the display will show the selected number and "No/Yes". Press up / down button to select it. When the word "Y" of "Yes" flash, press stop button, then the display will show the selected number and flash "Done" to confirm that the number have been delete registration.

2.5　The display will show next registered number. Repeat 2.3 and 2.4 to delete all useless registration.

(If all registered number had been deleted, the display will show "Delete All".)

2.6※ Turn off the power when finish delete registration.

```
Register
Delete
        └─ Flash

   Stop
   Button
        ↑
        └──── Press

Delete   ⬍ ← Flash
006

006
No/Yes
        └─ Flash

   Stop
   Button
        ↑
        └──── Press

006
Done
      └─ Flash

Delete   ⬍ ← Flash
007
```

Delete All Registration

3.1　Repeat step 2.1 and 2.2.

3.2　Press the up / down button to find "All".

(Tips: Press down button to find it quickly.)

3.3　When found flash "All" word, press stop button. The display will show "No/Yes", then press up / down button to select it. When the word "Y" of "Yes" flash, press stop button, then the display will show "All" and flash "Done" to confirm that all number have been delete registration.

3.4　After several second, the display will show "Register 001". Ignore it!

3.5※ Turn off the power.
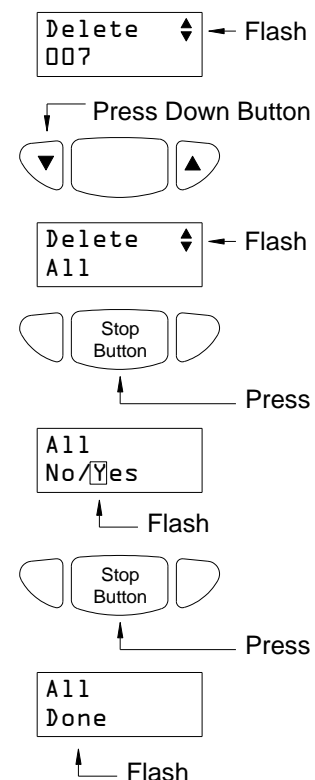
※Note1: If don't turn off the power, the receiver will goes back to "stand by" state automatically within 30 seconds.

```
Delete   ⬍ ← Flash
007
      ┌─ Press Down Button

  ▼        ▲

Delete   ⬍ ← Flash
All

   Stop
   Button
        ↑
        └──── Press

All
No/Yes
      └─ Flash

   Stop
   Button
        ↑
        └──── Press

All
Done
      └─ Flash
```

Select Alert Type

3.1   When standby state, press up and down button at same time. Hold press it till the portable receiver sound beep and display show three type icons and flash current icon.

3.2   Select the desire alert type by up / down button. The display will flash selected icon and the type name, such as below:
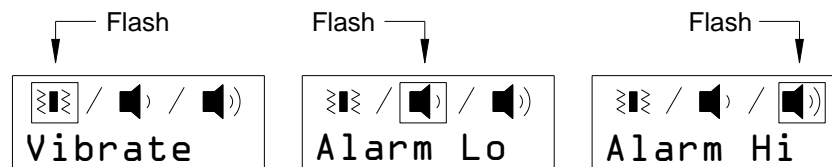
The portable receiver also made the alarm sound or vibrate base on that select.

3.3   Press stop button to set the selected alert type.

3.4   The portable receiver will return to standby state.

Usage

Suppose that all setting is ready.

4.1   Turn on the power. The portable receiver will enter standby state after 4 seconds.

4.2   At standby state, the display will show alert type.
If no any operation, the display will keep the image for about 30 seconds, and then turn off the screen.
(But, the portable receiver still hadn't turn off)

4.3   Activate the registered transmitter or sensor, the portable receiver will sound alarm / vibrate and display will show the alarm device number and flash the device name.

4.4   Press stop button, then the alarm sound/vibrate will stop and display resume to standby state.
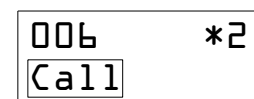
4.5   When two or more alarm signal comes in, the display will show the number of alarming devices on top right corner.

4.6   Press up / down button to check the alarm signal one by one.

4.7   When press stop button, it will cancel the display alarm signal and then shown next alarm signal till all alarm signal are cancelled.
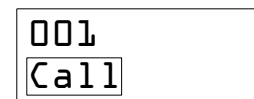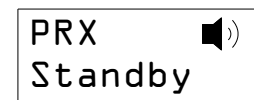

※Note2: The transmission devices are the sensor transmitter (NC-5000TXBF & NC-9000TXBF) and set it to release type function, it can auto reset alarm.
When release the pressure from the sensor pad, the receiver will take an alarm. And then re-press the sensor pad, the alarm will be reset to standby state automatically.

Transmitter Low Battery

5.1　When the transmitter battery capacity is low, the portable receiver display will show the number of low power transmitter and appear the low battery icon, such as below:

Low Battery Icon

```
┌────────────┐
│ 001  ▪      │
│ Call        │
└────────────┘
```
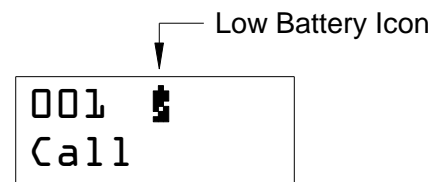
5.2　When the transmitter replaced new battery, the low battery demonstrate will get away, the display will turn to normally standby demonstrate.

Charging Function

6.1　When built-in rechargeable battery capacity lower, the display will show and flash the battery lower icon, such as below:

Low Battery Icon
(Flash)

```
┌────────────────┐
│ PRX  ▪   ◀))    │
│ Standby         │
└────────────────┘
```
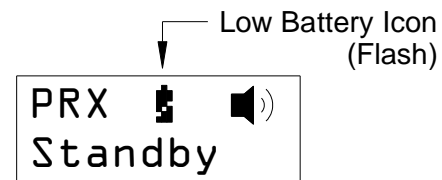
6.2　If the built-in rechargeable battery had been used up the capacity, the display will show "Battery Empty" and cannot working.

6.3　Connect the suitable AC adapter, then the charging lamp bright. This means that the receiver is charging now.

6.4　When full changing, the LED will turn off.

Device Type List

Transmitter	Model No.	Device Type Name
Infrared Sensor	NC-9000TXMS	Infrared
Magnet Sensor	NC-9000TXMG	Magnet
Portable Call Button	NC-9000TXPB	Call
Sensor Transmitter	NC-9000TXBF	Bed / Floor
Sensor Transmitter	NC-9000TXBF_ND	Bed / Floor
Wall Call Button	NC-9000TXWB	Call

Specification

Power Source	AC Adapter	Input :　100～240V　50/60Hz Output : DC6V　300mA
	Rechargeable Battery	3.7V　800mAh
Power Consumption		3W (appx.)
Receiving Channel		100
Alert Type	Alarm Sound	Alarm Hi (default) / Alarm Lo
	Vibration	Vibration　(Silent)
Charging Time		5 hours
Dimension (mm)		60 x 91 x 20
Weight (g)		68
Operating Temperature		5°C～40°C
Operating Humidity		45%～85%
Frequency		920MHz band　(LoRa)
Effective Distance		400m