

# Posey®

## 『NC-100』

### Instruction Manual & Warranty

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### Before Using NC-100

Thank you for purchasing our product "NC-100".

Be sure to read our manual guide thoroughly before using to get the full understanding of our products. If you have any problem or questions regarding the products, please contact our customer service.

Keep this manual for any future references.

## Before using

- ◆ NC-100 is only to support the safety aspects of monitoring patient's activities. This is not a guarantee of safety.
- ◆ NC-100 is not compensatory for the safety. We are not responsible for any damages in case of emergency.
- ◆ NC-100 is a wireless system; an outreach of an electric wave affected by place and environment.
- ◆ NC-100 can be affected by other wireless devices or electric appliances; also NC-100 affects from them.
- ◆ NC-100's waves can shut out and not work due to an obstacle between transmitter and receivers.
- ◆ When you change the established place or first time usage of NC-100, please confirm the active range.

## Safety Instruction

- ◆ In order to use our product in a safe and proper way, be sure to read our safety instructions carefully.
- ◆ Quality, improvement and other parts may be changed; from time to time, detail may be slightly different.

### ■ Picture Indication

In order to help prevent injury, harm or property damage to you or others, these picture indications are here to help the use in a safe way. These are the definitions to the picture indications below. Make sure you understand the meaning of the indications before reading the manual.

### ■ Explanation of Picture Indications

	Caution including warning
	Important precautions!
	Must follow all instructions



## Warning

If you ignore the signs and fail to operate the system properly, it may result in serious injury or death to a person in your care.

### Stop the usage of NC-100 with any signs of wear or damage immediately

Do not use in the following situations below. It will lead to fire or electric shock if you keep on using it improperly. Turn off the power switch, and unplug the AC adapter immediately. Ask your distributor for any repairs.

- If smoke is coming out, smell or noise. (abnormal condition) Confirm that the smoke has stopped, and ask your distributor for any repair. It is at high risk danger, therefore; do not repair by yourself. Seek the distributor for assistance.
- If liquid of any type has leaked into the control unit.
- Power socket or cord is extremely hot
- Been dropped or broken



### Do not break product apart

Do not break product into pieces or remodel. It may cause a fire and an electric shock. Ask your distributor for an inspection, adjustment and repair of the product.



### Precaution during the connection with AC adapter

Follow procedure below; failure to do so will generate heat, and cause a fire.

- Plug AC adapter into the power socket completely. Do not use the AC adapter when the socket is loose.
- Do not bundle the electrical cords.
- Do not use multi-wiring.



### Do not wet

Do not wet the product. It may cause a fire and an electric shock.



#### Do not harm AC adapter's cord

Follow the instructions below; failure to do so will damage the cord.

- Do not put heavy items on the cord.
- Do not add or repair the cord.
- Do not forcefully bend the cord.
- Do not harm the cord.
- Do not twist or pull the cord.
- Do not place near heating materials

Ask your distributor for an exchange when the AC adapter's cord is damaged. Failure to do so may cause a fire and an electric shock.



#### Use 120 voltage

Use the indicated voltage (AC 120V), failure to do so may cause a fire and an electrical shock.



#### Do not put container filled with water on top of the product.

If the water goes inside the product, it will cause a fire and an electrical shock.



#### Inspect the plug and the outlet regularly

Remove the dust and dirt between the plug and the outlet regularly. Failure to do so may cause a short circuit or will generate heat and lead to a fire.



## Caution

If you ignore the signs and fail to operate the system properly, it may result in the possibility of injury or lead to material damage.



#### Precaution during unplugging the AC adapter

- Do not plug in and out with wet hands. It may cause an electrical shock.
- Do not pull off the AC adapter cord while unplugging from power socket. If the cord is being pulled, cord will be harmed and will lead to a fire and an electrical shock.



#### Do not use together with an electrical blanket or other electrical items.

This will lead to product's damage and an electrical shock.



#### Precaution of where you set up

- Do not set up where there may be humidity and collect dust, sooty or steamy area. To do so may cause a fire and an electrical shock.
- Do not set up inside the car with windows all rolled up, or in a direct sunshine area. To do so may cause a fire and trouble.



#### Do not put close to a computer, TV or an audio player.

It may lead to noise or a magnetic disk could have bad influence on the system.



#### Do not set up at unstable place

Do not set up anywhere that is unstable, shaky or on a shelf. It may drop or fall down and may cause an injury.



#### Do not put heavy item on the product

This may result in damage to product.



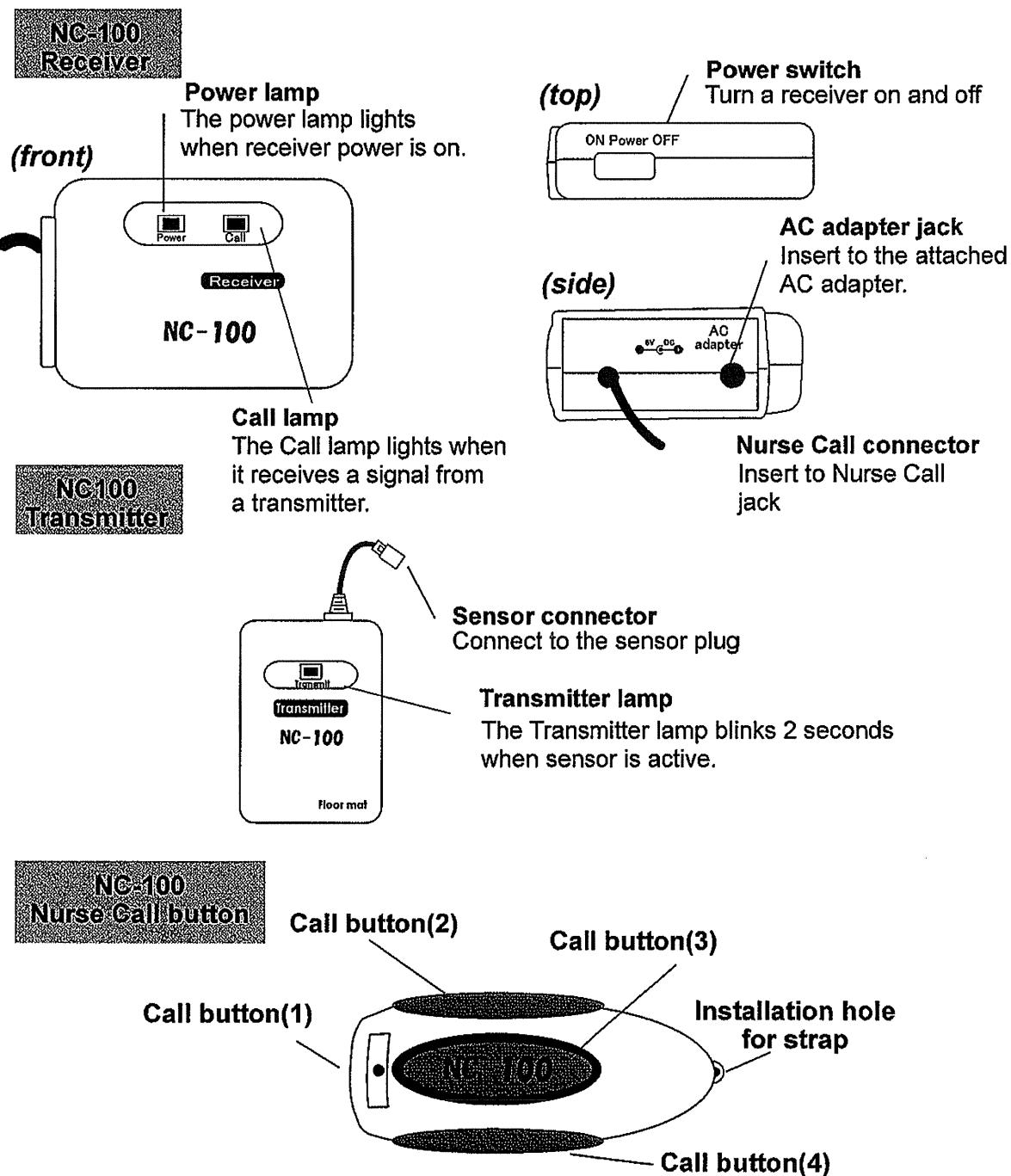
#### During the time of non-operation for a long period of time, be cautious. Maintenance should be as follows:

For your safety, unplug the AC adapter from the socket; it may cause a fire.

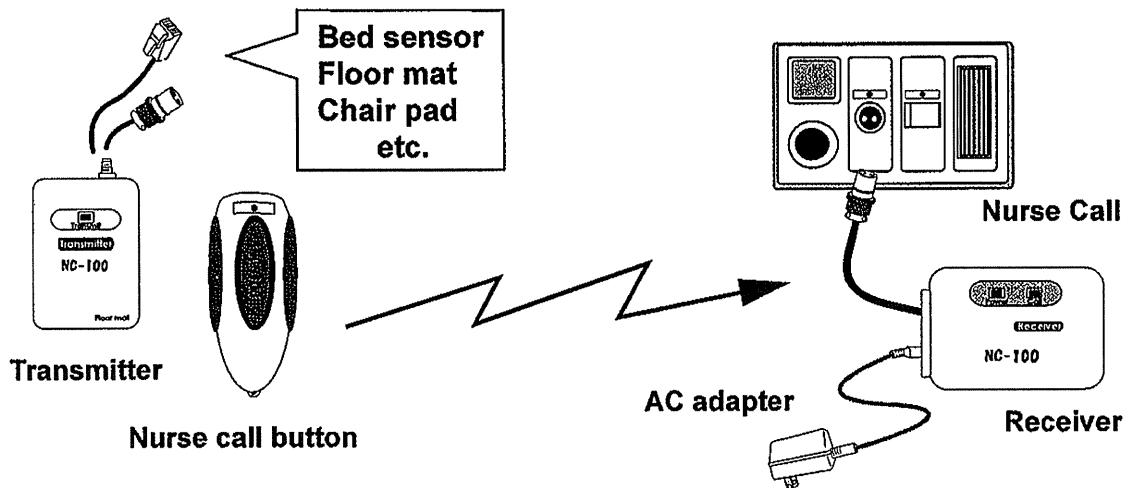
## Usage of NC-100

- ◆ NC-100 is possible to connect to Nurse Call system with many different sensors by wireless system.
- ◆ NC-100 supports secure and comfortable care environment with no wiring interfering around the bed.

## Name and Function



## Varieties of sensors

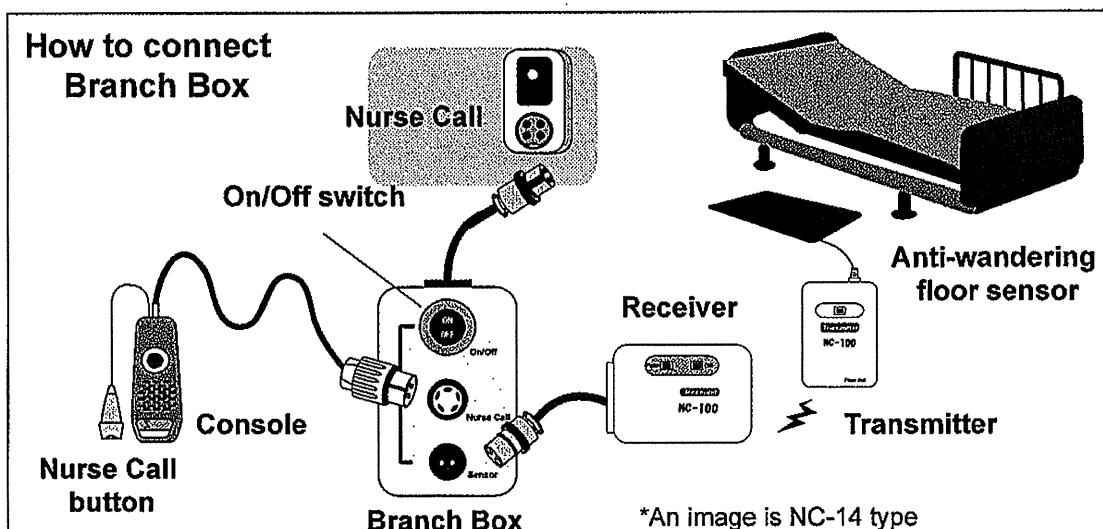


- ◆ One of the sensors connects to transmitter.  
Plug in the receiver's AC adapter and connect Nurse Call connector to a Nurse Call on a wall; power turns ON.



Various sensors from our company are possible to connect easily with each company's nurse call by using an exclusive branch box.

Choose the item number that matches plug type and nurse call's brand name you are using.



# How to use NC-100

## Transmitter's establishment and movement

1. Connect the Nurse Call connector to a Nurse Call on a wall.
2. Insert the AC adapter to the AC adapter jack.
3. Confirm the Power lamp lights on when the Power switch turns ON.

## Movement check

1. Confirm the Transmitter lamp is blinking when sensor starts to work. The Transmitter lamp blinks about 2 seconds to detect that a sensor is activated.
2. Nurse Call alarms at the same time as it receives a signal from a transmitter, and the Call lamp lights for about 1 second.

## Receiver's establishment and movement

1. Connect one kind of sensor: (Use an exclusive transmitter by each sensor.)
2. A transmitter works by a built-in battery that life is about 5 years.



There is a case that NC-100's wave shuts out at point-blank range, or having an obstacle between a transmitter and receiver.

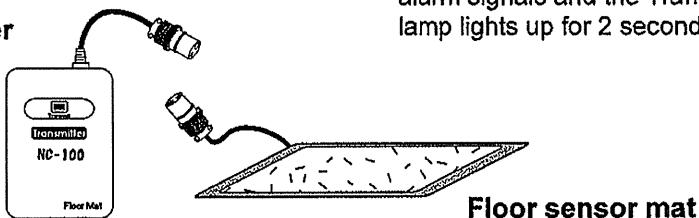
## How to connect various sensors

### 1. Floor sensor mat

Connect Floor mat's transmitter and Floor sensor mat.

NC-100  
Transmitter

- ◆ When stepping on Floor sensor mat, alarm signals and the Transmitter lamp lights up for 2 seconds.



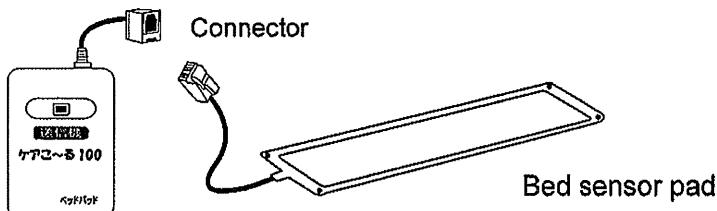
(Optional)

Item number	Name	Price (tax incl.)	Size (mm)
EFM04/M/Color	Floor sensor mat	\$	590X900
EFM04/L/Color		\$	610X1220

### 2. Bed sensor pad

Connect Bed sensor pad's transmitter and Bed sensor pad.

- ◆ When leaving from Bed sensor pad, alarm signals and the Transmitter lamp lights up for 2 seconds.



(Option)

Item number	Name	Price (tax incl.)	Size(mm)
EPB01	Bed sensor pad	\$	665X100
EPB04-R		\$	755X180
EPB04-W		\$	760X380
EPB04-SW		\$	765X510
EPB02		\$	665X100 (x2)

\* In order to connect twin pads, Y-connector is needed. (\$xxxxxx)

# How to connect various sensors

## 3. Nurse Call buttons



NC-100  
Nurse call button

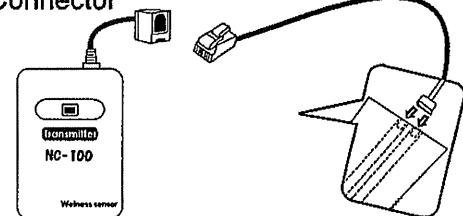
- ◆ When grasping Nurse call button, or by placing your hand or elbow and the button is pushed, the alarm signals and red lamp lights.

\*Included item: strap

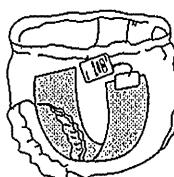
## 4. Wetness sensor

Put Wetness sensor tape into sensor's clamper and connect to NC-100 transmitter.

Connector



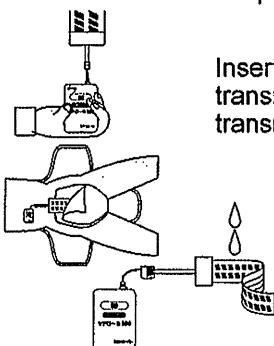
- ◆ When a sensor tape is moistened due to urination, the alarm signals to inform.



Directed sensor system: Place inside the diaper

### Sensor tape

It is 3 layered with non-woven fabric/aluminum/non-woven fabric. It is very soft; patient can not even feel that sensor tape is inside the diaper.

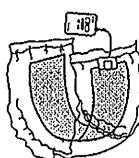


Insert the diaper clamper into transmitter's connector while transmitter is being installed.

Set the sensor tape inside the diaper.  
When the sensor tape is moistened, transmitter sends out a signal to the receiver.

### Sanitary pad

It is a sanitary pad that is installed by sensor tape.



Insert the diaper clamper into transmitter's connector.

### Specification

Size: [width]210×[length]490mm  
Absorbent: 400cc  
Material: Surface: Polyolefin non-woven fabric  
Absorbent: cotton pulp/high polymer  
absorbent material/absorbent paper  
Waterproof: Polyolefin film  
Elastic: Polyurethane  
Electrode: aluminum

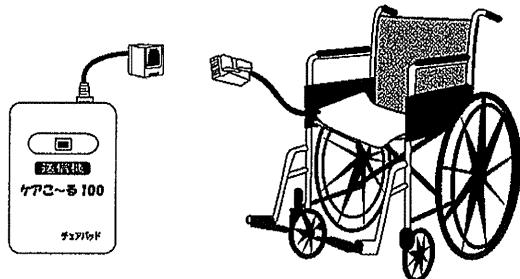
### Accessories and expendable price list

Item name	Contents	Item number	Price	Item Number	Set price
Sensor tape set	Sensor tape 100, clamper 1	CT-100		NC100W-CT-100	
Economy sensor tape set	Sensor tape 400, clamper 4	CT-400		NC100W-CT-400	
Sanitary pad set	Sanitary pad 192, clamper1	CIP-192		NC100W-CIP-192	

## How to connect various sensors

### 5. Chair Sensor Pad

Connect Chair sensor pad's transmitter and Chair sensor pad.



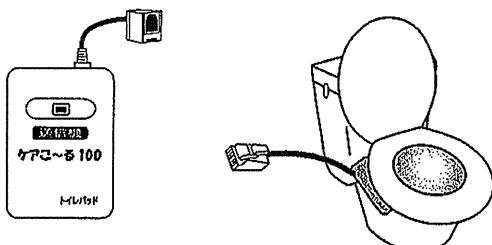
- ◆ Just by lifting yourself a little, alarm signals and transmit lamp lights. It is easier to move around inside the room.

Chair pad/Price list/Specification

Item name	Item number	Price	Size (mm)	Weight(g)	cord length(mm)
Chair sensor pad	EPC-W		250 x 380 x 6	120	840

### 6. Toilet sensor pad

Connect Toilet sensor pad's transmitter to Toilet sensor pad.



- ◆ Place the Toilet sensor pad on top of/underneath the toilet seat. When a patient gets up from the toilet seat, alarm signals and transmit lamp lights for 2 seconds.

Toilet sensor pad/Price list/Specification

Item Name	Item number	Price (tax incl.)	size(mm)	
Toilet sensor pad	EPT06-2		135x70	Top type
Toilet sensor pad	EPT06-3		185x40	Under type

\*Please choose Top type(to place on the toilet seat) or Under type(place underneath the toilet seat).

## Troubleshooting

Problem	Cause	Solution
<b>■ Transmitter</b>		
When a Transmitter lamp does not light when a sensor is ON	A type of a transmitter does not match a sensor	Use from correct combination of a sensor and transmitter.
	A sensor is defective	Change a sensor
	Low battery	Contact service center
<b>■ Receiver</b>		
When a Power lamp does not turn ON inspite of a power switch is ON	An adapter is not connected accurately	Connect an adapter accurately
When a Call lamp does not turn on in spite of Transmitter lamp blinks.	An ID of a receiver does not match transmitter	Contact service center
	An electric wave does not reach to receiver	Remove obstacle between transmitter and receiver Shorten a distance between transmitter and receiver
When a Nurse Call does not alarm in spite of a Call lamp turns on	A Nurse Call connector comes off	Connect a Nurse Call connector

## Specification

Item	Specification		Remark
Electric wave form	ASK		
Frequency	303.8MHz		feeble wireless
Aerial electricity	up to 500µV/m		
Oscillation system	PLL synthesizer		
Antenna	built-in		
Operating temperature	+10~+40°C		without condensation
Operating humidity	Up to 80%RH		
Power supply	Receiver	AC120V 20mA	usage of AC adapter
	Transmitter	DC3V	CR2032 built-in battery
		5 years battery life	according to the normal condition
Size	Receiver	68Wx100Dx26H (mm)	
	Transmitter	51Wx71Dx13H (mm)	
Weight	Receiver	100 g	
	Transmitter	40 g	

## M E M O

## FCC Statement (United States Only)

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 which the receiver is connected.

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

**Warning:** Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**Model Number: NC-100**

This device complies with Part 15 of the FCC 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.

**Wireless Nurse Call**

**J. T. Posey Company**

**5635 Peck Road,**

**Arcadia, CA 91006-0020 USA**

**Phone: 1-800-7673933**

## Warranty and Disclaimer

1. NC-100 has the warranty of one year from the date of purchase.
2. If any defects covered by this Warranty appear within the above stated one year period, we will, at its option, repair or replace the product without charge for parts or labor.
3. Even during the period of warranty, we are not responsible for the following:
  - a. If it is not used as instructed by this manual
  - b. If the label containing the shipping date or serial number has been intentionally altered, defaced, or removed.
  - c. If it is improperly service or other causes not arising out of defects in material or workmanship.
  - d. Damage caused by disasters, such as fire, earthquake, flood, lightning, or other cause by a natural disaster. Also, by unusual voltage, an unspecified power source (voltage and frequency).
  - e. If it is caused by unreasonable use, neglect, misuse or abuse.
  - f. Service other than by our company or units in use in violation of instructions furnished by our company.
4. This warranty is valid only in the U.S.A.

Item Number	NC-100	
Serial Number		
One year warranty from the date of purchase		
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Customer Information		

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