NURSE CALL SYSTEM

Provides reliable communication and enhances the quality of care.

Features

Communication with patients

- Individual communication with patients is possible by using the bedside handheld sub station.
- Call history can be traced and analysed by PC.

Call log software

- List and search from call history
- Search results can be printed out or exported into CSV-format files.

List and search from call history

- Date
- Call time
- Reset answer time

Call history can be searched by date, call time, sub station number, etc.

Name/Remarks

- Seiji Yokoi, diabetes, check hourly
- Taylor Wyatt, pneumonia, check daily
- Isolation room, NO ENTRY

Additional information can be freely entered in the "Name/Remarks" field.
COMMUNICATION SYSTEM

Used in a wide range of environments such as highway toll gates and schools.

Features

Sub stations for indoors & outdoors

- Large button allows easy operation. Communication is enabled by a single push of the button.
- Flush mount sub station is weather- and vandalism-resistant.
- The call indicator on the sub stations provides visual indication of call status. Lit while being called, off during communication.

Broadcast

- **Broadcast to all stations**
  Broadcasting to all sub stations is possible. Push the **ALL CALL** button. Then start broadcasting by using the handset or pressing the **TALK** button. A pretone is heard at all the sub stations before the broadcast.

- **Group broadcasts to selected stations**
  Broadcasts limited to selected stations are possible. Push the station selector button(s) for the target sub station(s). The call-in indicator(s) for the selected station(s) blink(s) in green. Group broadcasts can be made to up to 5 sub stations.
**Nurse Call, Communication System**

### Features
- Can be used as a nurse call system for providing calls from patient rooms and bathrooms to a nurse station.
- PC connection makes it possible to check call history. (NI-SOFT required)
- Single bed communication: Communication system using a speaker and a microphone at every bed.
- Multiple-user communication: Communication system using a ceiling speaker and a microphone for communication with the entire room.
- When a call is received, the indicator blinks to notify where the call is made from.
- Lighted lamps in corridor enable nurses to notice calls easily and respond to the patient quickly.
- Can also be used in challenging conditions and noisy environments.
- Can be utilized to broadcast announcements to selected stations or all stations.

### Using the system at the master station

#### Answering with handset
Lift the handset and talk with the caller.

#### Answering in open voice mode
Push and hold TALK to begin talking with the caller. Release TALK to listen.

#### When receiving two or more calls*1
Push the station selector button to select the desired call.**
Then, talk with the caller by using the handset or pressing the TALK button.

*1: Maximum of 10 calls can be received simultaneously.
**: If this step is skipped, the first-arrived call is automatically selected.

#### Calling a single sub station
Push a call selector button to call the desired sub station.
Then, talk with the caller by using the handset or pressing the TALK button.
Nurse Call, Communication System

**Features**

- Can be utilized to broadcast announcements to selected stations or entire room.
- Can also be used in challenging conditions and noisy environments.
- Call latching is made from.

When a call is received, the indicator blinks to notify where the call is made for.

- Multiple-user communication: Communication system using a speaker and a microphone at every bed.
- Single bed communication: Communication system using a handset or pressing the TALK button.

PC connection makes it possible to check call history.

**Wiring**

- **Corridor light, reset button**
  - NIR-4: Corridor light, single bed
  - NIR-4S: Corridor light, multiple beds

- **Bathroom call button**
  - NIR-7W: Bathroom call button
  - NIR-7HW: Bathroom call button with pull cord

- **Call extension speaker**
  - IER-2: Call extension

- **PC application**
  - NI-SOFT: Call log software

**Communication network**

- **NIR**:
  - NIR-4: Corridor light, single bed
  - NIR-4BZ: Corridor light with buzzer
  - NIR-42: Corridor light with reset button
  - NIR-31: Corridor light with nameplate, 1 name
  - NIR-32: Corridor light with nameplates, 2 names
  - NIR-34: Corridor light with nameplates, 4 names

- **NIR-HP**
  - NIR-HP: Corridor light
- **NI-SOFT**
  - RS-232C: Included
  - NI-LB: Ceiling microphone
  - NI-BA: Sub station, flush mount
  - NI-JA: Sub station, surface mount
  - NIR-1: Bathroom call button
  - NIR-2: Call reset button
- **PC application**
  - NI-SOFT: PC application

**NIM**

- NIM-80B: Master station, 60-call (special order product)
- NIM-60B: Master station, 40-call
- NIM-40B: Sub station
- NIM-20B: Sub station
- NIM-7BS: Bathroom call button
- NIM-8: Bathroom call button
- NIM-34: Bathroom call button with nameplates, 4 names
- NIM-42: Bathroom call button with nameplates, 2 names
- NIM-4: Bathroom call button with nameplates, 1 name

**Power supply**

- 1: IS-PU-S
- 2: IS-PU-UL
Nurse Call, Communication System

NIM Components

Master station

NIM-20B  Master station, 20-call
NIM-40B  Master station, 40-call

Features
- Two-way communication between master station and sub stations.
- When a call is received, the indicator blinks in red. Communication is indicated with green light.
- Broadcast to all stations by pushing ALL CALL button.
- When a call is received, the indicator blinks in red. Communication is indicated with green light.
- Broadcast to all stations by pushing ALL CALL button.
- Group broadcasts up to 5 selected stations.

Call button, wall jack

NI-8  Bedside call switch
NI-1  Wall jack for NI-8
NI-MB  Wall jack with microphone for NI-8
NI-7BS  Call latching wall jack for NI-8
NI-6  Call button

Specifications (NI-8)
Material  Plastic and Metal plug

Specifications (NI-1, NI-MB, NI-7BS, NI-6)
Power Source  Supplied from the master station
Mounting  Wall-(flush)-mount
Electrical box  1-gang box
Material  ABS plastic

Sub station

NI-RC  Bedside handheld sub station
NI-HP  Wall jack for NI-RC
NI-HPF  Wall jack with hanger for NI-RC
NI-BA  Sub station, surface mount
NI-JA  Sub station, flush mount

Features
- The handheld sub station is equipped with a microphone and speaker, enabling communication with individual users.
- The flush mount sub station is vandal-proof and weather-resistant.
- Surface and flush mount sub stations can also be used in noisy environments.

Specifications
Power source  Supplied from the master station
Communication  Handset: Voice-activated communication
Open voice: Push-to-talk (PTT)
Mounting  NI-RC, NI-HF: Wall (flush)-mount
NI-BA: Desktop use or wall (surface)-mount
NI-JA: Flush-mount
Electrical box  NI-HPF, NI-JA: 1-gang box
NI-HPF, NI-BA: 2-gang box
Material  NI-RC: Plastic and Metal plug
NI-HPF, NI-BA: Fire-retardant ABS plastic
NI-JA: Fire-retardant plastic, Chassis: Sheet steel SPCC
IP rating  NI-RC, NI-HPF: IP54
IK rating  NI-JA: IK07

Ceiling speaker

NI-LB  Ceiling speaker

Specifications
Power source  Supplied from the master station
Mounting  Flush-mount on the ceiling
Material  ABS plastic

Unit dimensions

Specifications
Power source  48 V DC (supplied by IS-PU-S, IS-PU-UL)
Communication  Handset: Voice-activated communication
Open voice: Push-to-talk (PTT)
Material  Panel: Fire-retardant plastic
Chassis: Sheet steel SPCC

Unit dimensions

Specifications
Power source  Supplied from the master station
Mounting  Wall-(flush)-mount
Electrical box  1-gang box
Material  ABS plastic

Unit dimensions

Specifications
Power source  Supplied from the master station
Mounting  Flush-mount on the ceiling
Material  ABS plastic
**Ceiling microphone**

- **NI-SB** Ceiling microphone

**Corridor light, reset button**

- **NIR-4** Corridor light, single bed
- **NIR-4S** Corridor light, multiple beds
- **NIR-2** Call reset button
- **NIR-4BZ** Corridor light with buzzer
- **NIR-42** Corridor light with reset button
- **NIR-31** Corridor light with nameplate, 1 name
- **NIR-32** Corridor light with nameplates, 2 names
- **NIR-34** Corridor light with nameplates, 4 names

**Bathroom call button**

- **NIR-7W** Bathroom call button
- **NIR-7HW** Bathroom call button with pull cord

**Specifications**

<table>
<thead>
<tr>
<th>Feature</th>
<th>NIR-4, NIR-4S, NIR-2, NIR-4BZ, NIR-42: Wall (flush)-mount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power source</td>
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<tr>
<td>Mounting</td>
<td>flush-mount on the ceiling</td>
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<tr>
<td>Electrical box</td>
<td>Nir-4, NIR-4S, NIR-2, NIR-4BZ, NIR-42: 1-gang box</td>
</tr>
<tr>
<td></td>
<td>Nir-4BZ, NIR-42, NIR-31, NIR-32, 2-gang box</td>
</tr>
<tr>
<td></td>
<td>Nir-34 3-gang box</td>
</tr>
<tr>
<td>Material</td>
<td>Nir-4, NIR-4S, NIR-4BZ, NIR-42: Fire-retardant ABS plastic</td>
</tr>
<tr>
<td></td>
<td>Nir-2: ABS plastic</td>
</tr>
<tr>
<td></td>
<td>Nir-31, NIR-32, NIR-34: SPCC</td>
</tr>
</tbody>
</table>

**Unit dimensions**

- **NI-SB**

**Features**

- Call indicated by red light.
- Reset a call by pushing the reset button. (NIR-42, NIR-31, NIR-32, NIR-34)
- Buzzer-equipped corridor light notify calls with buzzer sound. (NIR-4BZ)
- Easy identification of patients or areas by using the corridor lights with nameplates. (NIR-31, NIR-32, NIR-34)

**PC application**

- **NI-SOFT** Call log software

**System requirements for PC**

- **Operating System (OS)**
  - Windows 7 Home Premium / Professional / Ultimate (Service Pack1, 32/64bit)
  - Windows 8.1 / Pro (32/64bit)
  - Windows 10 Home / Pro (32/64bit)
- **Processor** 2.7 GHz or higher
- **System memory (RAM)** 2 GB RAM or higher
- **Hard drive** 100 MB or more (Additional space is needed during installation)*1
  - RS232C port installed on the PC or an add-in board
  - CD-R readable drive
  - A PC operable 24 hours a day
  - Display: 1024 (W) x 768 (H) or higher, 16-bit color or higher
  - Font: Arial
  - Run-time: Microsoft® .NET Framework 4.5

**Specifications**

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<th>Feature</th>
<th>NIR-4, NIR-4S, NIR-2, NIR-4BZ, NIR-42: Wall (flush)-mount</th>
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**Unit dimensions**

- **NI-SB**

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*1: If the software is to be installed onto a drive other than C:drive, both the C:drive and the installation drive each require 50 MB or more of memory.
Nurse Call, Communication System

Wiring

- Wire color identifications:
  - Brown (BR)
  - Red (RD)
  - Orange (OG)
  - Yellow (YL)
  - Green (GR)
  - Blue (BL)
  - Gray (GY)
  - White (WT)
  - Black (BK)

Special order product:
- NIM-40B
- NIM-20B
- NIM-60B*
- NIM-80B*

- Two power supplies are necessary for NIM-60B and NIM-80B.
- Do not connect two power supplies in parallel.

- Up to 3 bathroom call buttons can be connected to a single channel line.

- Connect to each of the color-coded wires.
- (6 wall jacks can be connected in total.)

- PC (Third party product) + NI-SOFT

Speaker etc. (3W/20Ω third party product)
- RS232C cable (included with NI-SOFT)

- System capacity:
  - The number of sub stations is subject to the type of master station.

- Master station - sub station:
  - Ø0.65mm (22 AWG)
  - Ø0.9mm (18 AWG)
  - Maximum distance:
    - Master station - power supply: 130m (425')
    - Master station - call extension speaker: 200m (650')
    - 10m (33')
    - 50m (165')

- Model:
  - NIM-20B
  - NIM-40B
  - NIM-60B*
  - NIM-80B*

- Model Qty:
  - 1
  - 1
  - 1
  - 1
  - 20
  - 40
  - 60
  - 80

- Power supply:
  - 1
  - 1
  - 2
  - 2
  - 1
  - 1
  - 1
  - 1

- Other components:
  - IER-2
  - IS-PU-S or IS-PU-UL
  - CALL
  - LE
  - DB
  - AT
  - YAZ
  - TD
  - IMU
  - TC
  - MC
  - NIM
  - NHX

* Special order product.
Wire color identifications
- BR: Brown  GR: Green
- RD: Red  BL: Blue
- OG: Orange  GY: Gray
- YL: Yellow  WT: White
- BK: Black

System capacity
The number of sub stations is subject to the type of master station.

<table>
<thead>
<tr>
<th>Master station</th>
<th>Sub station (Qty)</th>
<th>Power supply (Qty)</th>
<th>Personal computer (Qty)</th>
</tr>
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<tbody>
<tr>
<td>NIM-20B</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>NIM-40B</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>NIM-60B*</td>
<td>1</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>NIM-80B*</td>
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* Special order product.

Wiring distance

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<td>Master station - call extension speaker (IER-2), speaker etc.</td>
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