Note: For operation of the units, refer to the N-8000 series operating instructions.

1. GENERAL DESCRIPTION
The RS-142 is a switch board to be connected to the 2-Core Shielded Substation Interface Unit. You can make desired switch panels to meet intended purposes by combining the RS-142 with the separately prepared operation panel having 2 switches to be used as call buttons. The RS-142 features handset conversations by using the RS-141 indoor-use Option Handset in combination.

2. CONNECTIONS
2.1. When the Option Handset Is Not Used

Substation interface unit

3P removable terminal plug (supplied with the Substation interface unit)

2-core shielded cable

High-impedance speaker (Impedance: 600 Ω or more)

Switch for Call button 1*

Switch for Call button 2*

Note
Cut out the unused Wire (purple) to avoid short-circuiting.
2.3. When the Option Handset Is Used in Combination

Substation interface unit

- 3P removable terminal plug (supplied with the Substation interface unit)
- High-impedance speaker (Impedance: 600 Ω or more)
- 2-core shielded cable

**Note**
Cut out unused wires to avoid short-circuiting.
3. INSTALLATION

3.1. Switch Board Installation

3.1.1. Dimensional diagram

Note
When using the PA paging function, keep the switch panel as far away from the PA paging speaker as possible to avoid acoustic feedback.

3.1.2. When Making the Switch Panel to Be Combined with an Electrical Box

Put the RS-142 in the YC-801 Flush-mount box mounted in the wall. Then, connect the cables from RS-142 to the switches mounted on the operation panel separately prepared.
3.2. Option Handset Installation

Mount the option handset to an electrical box mounted in the wall.

The RS-141 comes with 2 types of screws: M4 x 25 and UNC No. 6-32 x 18.
For the electrical box provided with unified threads, use the UNC No. 6-32 x 18.

4. SPECIFICATIONS

<table>
<thead>
<tr>
<th>Call Button Wiring</th>
<th>4 cables (for 2 momentary switches)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wiring</td>
<td>2-core shielded cable</td>
</tr>
<tr>
<td>Transmission Range</td>
<td>500 m/ø0.5 mm (AWG24), 800 m/ø0.65 mm (AWG22), 1300 m/ø0.9 mm (AWG19)</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>0 to +40°C</td>
</tr>
<tr>
<td>Weight</td>
<td>30 g</td>
</tr>
</tbody>
</table>