THE IS-SS-RA-R IS A STAINLESS STEEL FLUSH MOUNT DOOR STATION WITH AN EMERGENCY CALL BUTTON. THE UNIT IS EQUIPPED WITH ADA COMPLIANT LETTERING AND BRAILLE SIGNAGE FOR THE EMERGENCY BUTTON. A CALL STATUS INDICATOR IS INCLUDED TO MEET ADA RESCUE ASSISTANCE REQUIREMENTS. THE IS-SS-RA-R MUST BE PROGRAMMED AS AN AUDIO DOOR STATION AND CAN CONNECT TO ANY CONTROL UNIT IN THE IS SYSTEM (IS-CCU, IS-SCU, OR IS-RCU).

NAMES & FUNCTIONS:

1. Microphone
2. Speaker
3. Name Placard
4. Call status indicator
5. Signage with Braille
6. Emergency button

FEATURES:

• Audio communication with calling area
• Emergency call button
• ADA compliant lettering and Braille signage
• LED call status indicator
• Two programmable relay outputs for activation of external systems/devices
• Name placard
• Stainless steel faceplate with tamper resistant screws

INSTALLATION:

• For flush mounting, cut a hole in the wall and use supplied back box. Box dimensions are: 10-1/2” H x 5-13/16” W x 1-3/4” D
• For surface mounting, use the SBX-IDVFRA surface mount box. This box can mount to a standard 1-gang box or to any flat surface.
## WIRING DIAGRAM:

```
IS-SS-RA-R
IS-MV
IS-CCU
IS-PU-UL
```

*IS-SS-RA-R can connect to any control unit (IS-CCU, IS-SCU, IS-RCU) Station must be programmed as an audio only station.

## RELAY BOARD WIRING AND SETTINGS:

### Default Configuration when shipped
- Relay 1 triggers on normal call, emergency call, and communication. Relay 1 remains on during communication.
- Relay 2 triggers on emergency call and remains on during communication.

<table>
<thead>
<tr>
<th>Trigger Source</th>
<th>RY1 Triggered?</th>
<th>RY1 Remains ON During Talking?</th>
<th>RY2 Triggered?</th>
<th>RY2 Remains ON During Talking?</th>
<th>RY2 Requires Reset?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Normal Call</td>
<td>YES</td>
<td>NO</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Emergency Call</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>NO</td>
</tr>
<tr>
<td>Talking</td>
<td>YES</td>
<td>YES</td>
<td>NO</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Door Release</td>
<td>NO</td>
<td>N/A</td>
<td>NO</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

### Optional Configuration
- Relay 1 triggers on normal call, emergency call, and communication. Relay 1 remains on during communication. Relay 2 triggers on an emergency call and remains on during communication. Relay 2 requires reset.

<table>
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<tr>
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<th>RY1 Remains ON During Talking?</th>
<th>RY2 Triggered?</th>
<th>RY2 Remains ON During Talking?</th>
<th>RY2 Requires Reset?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Normal Call</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>YES**</td>
</tr>
<tr>
<td>Emergency Call</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
</tr>
<tr>
<td>Talking</td>
<td>YES</td>
<td>YES</td>
<td>NO</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Door Release</td>
<td>NO</td>
<td>N/A</td>
<td>NO</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**Relay 2 External Reset**
Connect to N/O dry switch

Contact Technical Support if additional switch configurations are required.

## SPECIFICATIONS:

- **Terminations:** RJ45 jack for audio
- Screw terminals for door release and relay outputs
- **Relay rating:** 24V AC/DC 500mA on Door station, 24V AC/DC 1.0A on relay board
- **Operating Temp:** 14° ~ 140°F / -10° ~ 60°C
- **Wiring Distance:** 980' with Cat-5e/6 cable
- **Dimensions:** 11-3/4" H x 7" W
  - w/SBX-IDVFRA: 11-3/16" H x 7-1/16" W x 3-5/16" D (top), 2-5/16" D (bottom)

### FCC WARNING:
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.
2. This device must accept any interference that may cause undesired operation.
   - For proper regulatory compliance, the drain wire should be disconnected at the power supply end of the cable.
   - Changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.