The IS-SS-2RA is a stainless steel flush mount door station with standard and emergency call buttons. The unit is equipped with ADA compliant lettering and Braille signage for both the standard and emergency buttons. A call status indicator is included to meet ADA rescue assistance requirements. The IS-SS-2RA must be programmed as a video door station and must connect to the IS-CCU or IS-SCU control units.

**INSTRUCTIONS:**

**NAMES & FUNCTIONS:**

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

**FEATURES:**

- Audio communication with calling area
- Two call buttons: Standard and Emergency
- ADA compliant lettering and Braille signage
- LED call status indicator
- CCTV input (Analog NTSC 1Vpp)
- Red mushroom button for emergency call
- Two programmable relay outputs for activation of external systems/devices
- Name placard
- Stainless steel faceplate with tamper resistant screws

**PACKAGE CONTENTS:**

- Vandal-resistant Door Station
- Semi-flush backbox & tamper-resistant screws
- Security Driver
- Blank name placard
- 4-pin connector for CCTV
- 2-pin connector for external reset

**INSTALLATION:**

- For flush mounting, cut a hole in the wall and use supplied back box. Box dimensions are: 11-1/16” H x 5-7/8” W x 1-3/4” D
- For surface mounting, use the SBX-ISDVFRA surface mount box. This box can mount to a standard 1-gang box or to any flat surface.
**WIRING DIAGRAM:**

* Connect to the IS-CCU or IS-SCU and program as a video door station, even if no CCTV camera is connected. If a CCTV camera is not connected, the video screen on the IS-MV will illuminate during communication with station. This is not a malfunction. Aiphone recommends the IS-SS-2RA-R station be used if no CCTV camera input is required.

**RELAY BOARD WIRING AND SETTINGS:**

- **CCTV Input**
- **CCTV Output**
- **Configuration Switch**
- **Relay 1 Output**
- **N/O, COM, N/C**
- **Relay 2 Output**
- **N/O, COM, N/C**
- **2-pin connector**
- **4-pin connector**
- ***75Ω termination for CCTV output**
- **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>YES</td>
<td>NO</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>N/A</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 emergency call and remains on during communication. Relay 2 requires reset.

<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>YES</td>
<td>NO</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>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>

* Connect to the IS-CCU or IS-SCU and program as a video door station, even if no CCTV camera is connected. If a CCTV camera is not connected, the video screen on the IS-MV will illuminate during communication with station. This is not a malfunction. Aiphone recommends the IS-SS-2RA-R station be used if no CCTV camera input is required.

**SPECIFICATIONS:**

- **Terminations:** RJ45 jack for audio/video
- **Relay rating:** 24V AC/DC 0.5A on Door station, 24V AC/DC 1.0A on relay board
- **Camera Input:** Analog NTSC 1Vpp
- **Operating Temp:** 14° ~ 140°F / -10° ~ 60°C
- **Wiring Distance:** 980' with Cat5e/6 cable
- **Dimensions:** 11-3/4” H x 7” W
  w/SBX-ISDVFRA: 11-11/16” H x 7-1/16” W x 2-13/16” D (top), 1-13/16” 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.

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