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SCS Sentinel PAF0007

SCS Sentinel Audio Intercom System User Manual

Model: PAF0007 - Wired Audio Intercom for 2 Housings

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your SCS Sentinel Audio Intercom System, model PAF0007. This system is designed to provide secure and convenient audio communication and access control for two separate housing units.

Please read this manual thoroughly before installation and operation to ensure proper functioning and to prevent damage to the unit.

2. PACKAGE CONTENTS

Verify that all components are present in the package:

- 2 x Internal Audio Handsets
- 1 x Outdoor Street Plate with Protective Visor
- 2 x AC Adapters
- Mounting Screws
- User Manual (this document)



Figure 1: Overview of the SCS Sentinel Audio Intercom System components.

3. PRODUCT FEATURES

- **Wired Connection:** Requires only 2 wires to connect the street plate to each handset, simplifying installation.
- **Two-Housing Support:** Designed for mini-collective use with one entrance and two separate housing units.
- **Door Opening Function:** Allows for remote door opening (requires optional 12V electric lock or trigger).
- **Outdoor Street Plate:** Features an aluminum facade, protective visor, microphone, speaker, and two backlit call buttons with name tags. IP44 protection rating for weather resistance.
- **Indoor Handsets:** Two high-performance audio handsets with adjustable ringer volume (2 levels) and 16 melodies. Each handset includes a button for door access.
- **Operating Distance:** Up to 100 meters.

4. SETUP AND INSTALLATION

4.1. Safety Precautions

- Ensure power is disconnected before beginning any wiring.
- Follow all local electrical codes and regulations.
- Do not expose components to excessive moisture or extreme temperatures.

4.2. Installation Steps

1. Mounting the Outdoor Street Plate:

Choose a suitable location near your entrance, protected from direct heavy rain if possible, though the unit is IP44 rated. Use the provided screws to securely mount the street plate with its protective visor to the wall. Ensure the visor is positioned correctly to shield the unit from elements.



Figure 2: Outdoor Street Plate with Visor.



Figure 3: Example of Outdoor Street Plate Installation on a Gate.

2. **Mounting the Indoor Handsets:**

Select a convenient indoor location for each handset, typically near the main entrance of each housing unit. Mount the handsets securely to the wall using appropriate screws.



Figure 4: Indoor Handsets.

3. **Wiring Connections:**

Connect the outdoor street plate to each indoor handset using a 2-wire cable. Ensure correct polarity if specified in the wiring diagram (refer to the diagram provided in the physical manual for precise connections). The maximum operating distance for the wiring is 100 meters.

If connecting an optional 12V electric lock or trigger, refer to its specific wiring instructions and connect it to the designated terminals on the street plate or handset as per the system's wiring diagram.

4. **Power Connection:**

Plug the provided AC adapters into a standard electrical outlet and connect them to the respective indoor handsets. Ensure the power supply is stable.

5. **OPERATING INSTRUCTIONS**

5.1. Receiving a Call

- When a visitor presses a call button on the outdoor street plate, the corresponding indoor handset will ring.
- Lift the handset to establish two-way audio communication with the visitor.



Figure 5: Operating the Indoor Handset.

5.2. Opening the Door/Gate

- During a conversation, press the designated door opening button on the indoor handset to activate the connected electric lock or trigger.
- The system supports door opening. Gate opening is not directly supported by this model without additional accessories.

5.3. Adjusting Ringer Volume and Melodies

- The indoor handsets feature a ringer volume adjustment with 2 levels. Locate the volume control switch or button on the side or bottom of the handset and adjust as desired.
- The system offers 16 melodies. Refer to the specific instructions for your handset model to cycle through and

select your preferred melody.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the surfaces of the indoor handsets and outdoor street plate. Do not use abrasive cleaners or solvents.
- **Outdoor Unit:** Periodically check the outdoor street plate for any debris or obstructions around the microphone, speaker, and call buttons. Ensure the protective visor is intact and securely fastened.
- **Wiring:** Inspect wiring connections periodically for any signs of wear or damage. Ensure all connections remain secure.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound from handset or street plate.	Loose wiring connection; Power adapter unplugged; Faulty component.	Check all 2-wire connections between the street plate and handsets. Ensure AC adapters are securely plugged in. If problem persists, contact support.
Handset not ringing.	Ringer volume set to minimum; Incorrect wiring; Faulty call button.	Increase ringer volume. Verify wiring connections. Test call button on street plate.
Door opening function not working.	Electric lock/trigger not connected or faulty; Incorrect wiring for door release.	Ensure the optional electric lock/trigger is correctly installed and wired. Check wiring diagram for door release connections.
Poor audio quality (static, low volume).	Interference; Damaged wiring; Obstruction on microphone/speaker.	Check for sources of electrical interference. Inspect wiring for damage. Clean microphone and speaker grilles on both units.

8. SPECIFICATIONS

- **Model:** PAF0007
- **System Type:** Wired Audio Intercom
- **Number of Housings:** 2
- **Wiring:** 2-wire connection
- **Max Operating Distance:** 100 meters
- **Outdoor Street Plate:**
 - Material: Aluminium facade
 - Protection Rating: IP44
 - Features: 2 backlit call buttons, name tag holders, protective visor
 - Dimensions: 107 x 216 x 69 mm (approx.)
- **Indoor Handsets:**
 - Ringer Volume: 2 levels
 - Melodies: 16

- Power Supply: AC Adapter (included)
- Dimensions: 98 x 214 x 40 mm (approx.)
- **Door Opening:** Yes (requires optional 12V electric lock or trigger)
- **Gate Opening:** No (direct support)
- **Total Weight:** 1.03 Kilograms (approx.)

9. WARRANTY AND SUPPORT

This SCS Sentinel Audio Intercom System (Model PAF0007) comes with a **2-year warranty** from the date of purchase.

The warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by improper installation, misuse, accidents, unauthorized repairs, or acts of nature.

For technical assistance, troubleshooting, or warranty claims, please contact SCS Sentinel customer service. Refer to the contact information provided with your product packaging or visit the official SCS Sentinel website.