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COMMAX DP-SS

COMMAX DP-SS Intercom Audio Phone User Manual

Model: DP-SS

1. INTRODUCTION

The COMMAX DP-SS is an indoor audio intercom unit designed exclusively for use with COMMAX multi-unit door stations. This unit facilitates two-way audio communication with visitors at the door station and includes a function for door release. It is important to note that the DP-SS is an audio-only intercom and is not a telephone; it does not have a telephone jack and is not compatible with intercom systems from other brands.

This manual provides detailed instructions for the installation, operation, and maintenance of your DP-SS intercom unit.

2. PRODUCT OVERVIEW



Figure 2.1: Front view of the DP-SS intercom unit. This image shows the sleek white design of the unit with its handset resting in the cradle, connected by a coiled cord.



Figure 2.2: Top-down view of the DP-SS unit with the handset removed. This view highlights the speaker grille, microphone, and the prominent door release button on the base unit.



Figure 2.3: Rear view of the DP-SS unit. This image displays the back panel, including the terminal block for wiring connections and a label detailing the model number and basic wiring information.

3. COMPATIBILITY

The COMMAX DP-SS intercom unit is designed to be compatible exclusively with specific COMMAX audio intercom multi-apartment systems and door stations. It is not compatible with other brands or non-audio COMMAX systems.

- **Compatible Door Stations:** DR-nKM, DR-nKS, DR-nAM, DR-nAS, DR-nUM (where 'n' denotes the number of

buttons, e.g., DR-4UM, DR-6UM, DR-8UM, DR-12AM).

- **Compatible Multi-Apartment Systems:** DR-nAM, DR-nKM, DR-nUM, DR-4UM, DR-6UM, DR-8UM, DR-12AM.

DP-SS is only compatible with Commax Audio Intercom lobby panels:



DR-nKM



DR-nAM



DR-nUM

$n = 2, 4, 6, 8, 12, \dots$

Figure 3.1: Examples of compatible COMMAX audio intercom lobby panels. This image illustrates the various door station models that can be used with the DP-SS unit.

4. INSTALLATION AND SETUP

4.1. Mounting

The DP-SS unit is designed for surface mounting. Ensure the mounting location is secure and allows for proper wiring access.

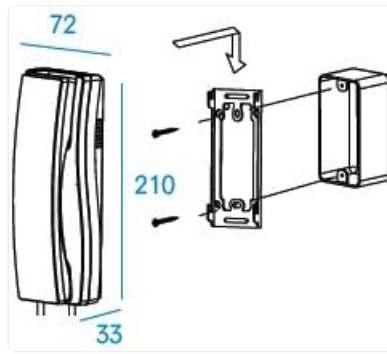


Figure 4.1: Mounting dimensions and procedure. This diagram provides visual guidance for installing the DP-SS unit on a wall surface, including key dimensions in millimeters.

1. Secure the mounting bracket to the wall using appropriate screws.
2. Connect the necessary wiring before attaching the unit to the bracket.
3. Carefully align and attach the DP-SS unit to the mounted bracket.

4.2. Wiring

The DP-SS unit requires a 4-wire connection to the door unit and a 2-wire connection for the door lock mechanism. Power is supplied via DC12V/500mA.

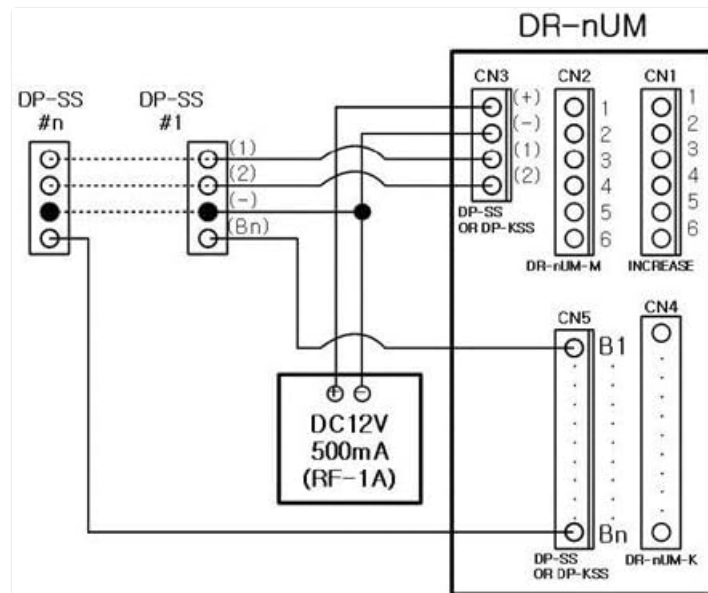


Figure 4.2: Wiring diagram for DP-SS. This diagram illustrates the connections between the DP-SS unit, the COMMAX door station (e.g., DR-nUM), and the DC12V power supply, including terminals for door lock control.

1. Identify the 4 wires from the door unit and connect them to the corresponding terminals on the DP-SS.
2. Connect the 2 wires for the electric door lock to the designated terminals.
3. Ensure the DC12V/500mA power source is correctly connected.
4. Verify all connections are secure before applying power.

5. OPERATION

5.1. Receiving a Call

1. When a visitor presses the call button on the outdoor door station, the DP-SS unit will ring.
2. Lift the handset to answer the call and establish two-way audio communication with the visitor.

5.2. Door Release

1. During an active conversation with a visitor, press the circular door release button located on the base unit of the DP-SS.
2. This action will activate the electric door lock, allowing the visitor to enter.

5.3. Ending a Call

1. To end the conversation, simply place the handset back into its cradle.

6. MAINTENANCE

The COMMAX DP-SS intercom unit requires minimal maintenance to ensure optimal performance.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Avoid using abrasive cleaners, solvents, or strong chemicals, as these can damage the surface.
- **Environmental Conditions:** Ensure the unit is operated within the specified temperature range of 0°C to 50°C (32°F to 122°F). Avoid exposing the unit to excessive moisture, direct sunlight, or extreme temperatures.
- **Wiring Inspection:** Periodically check the wiring connections at the back of the unit to ensure they remain secure and free from corrosion. Only perform this check when power to the unit is disconnected.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your DP-SS intercom unit.

Problem	Possible Cause	Solution
No audio during a call.	Loose or incorrect wiring; faulty handset; issue with door station.	<ul style="list-style-type: none">• Check all wiring connections at the back of the DP-SS unit and the door station.• Ensure the handset is properly seated in its cradle and lifted correctly.• Verify the door station is functioning correctly.
Door release button not working.	Incorrect wiring for door lock; faulty door lock mechanism; unit not in active call.	<ul style="list-style-type: none">• Confirm the 2-wire connection for the door lock is correct and secure.• Ensure the door lock mechanism itself is operational.• The door release function only works during an active conversation with the door station.
Unit not ringing when call button is pressed.	No power; incorrect wiring; faulty door station call button.	<ul style="list-style-type: none">• Check if the unit is receiving power (DC12V/500mA).• Inspect the 4-wire connection between the DP-SS and the door station.• Test the call button on the door station.

If the problem persists after attempting these solutions, please contact COMMAX customer support or a qualified technician.

8. SPECIFICATIONS

Model	DP-SS
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Power Source	DC12V / 500mA
Mounting Type	Surface mounted type
Wiring	4 wires (to door unit) and 2 wires (for door lock)
Dimensions (with handset)	70mm (W) x 210mm (H) x 80mm (D)
Distance (Max)	100m (0.65Φ standard)
Operating Temperature	0°C ~ 50°C (32°F ~ 122°F)
Product Dimensions (L x W x H)	10.5 x 4.5 x 2.5 inches
Item Weight	4.2 ounces (120 Grams)
Material	Plastic
Manufacturer	Commax
Country of Origin	Korea, Republic of

9. WARRANTY AND SUPPORT

9.1. Return Policy

This product is subject to a 30-day return policy from the date of purchase. Please refer to your retailer's specific return guidelines for details on refunds or replacements.

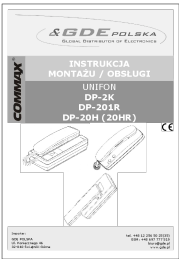
9.2. Customer Support






For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact your product vendor or COMMAX customer support. Contact information can typically be found on the product packaging or the vendor's website. When contacting support, please have your product model number (DP-SS) and purchase details ready.

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This manual is for informational purposes only. Specifications are subject to change without notice.

Related Documents - DP-SS

	<p>COMMAX DP-2K, DP-201R, DP-20H/20HR Intercom System: Installation and Operation Manual</p> <p>Installation and operation manual for COMMAX DP-2K, DP-201R, DP-20H, and DP-20HR audio intercom systems. Includes safety warnings, component descriptions, connection diagrams, technical specifications, compatibility information, WEEE disposal guidelines, and EU Declaration of Conformity.</p>
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	<p>COMMAX DR-nUM / DR-nUS Door Station User Manual</p> <p>User manual for the COMMAX DR-nUM and DR-nUS door stations, covering introduction, safety precautions, overview, operation methods, wiring, part lists, and specifications.</p>
	<p>COMMAX DP-LA01M, LA01S Door Phone User Manual</p> <p>User manual for COMMAX DP-LA01M and DP-LA01S door phones, covering warnings, overview, operation, wiring, and specifications. Includes information for the COMMAX DR-2K panel.</p>
	<p>COMMAX Door Phone DR-201D User Manual</p> <p>User manual for the COMMAX Door Phone DR-201D, detailing specifications, wiring, installation, and operation.</p>
	<p>Instrukcja Montażu i Obsługi: Unifon COMMAX DP-2K, DP-201R, DP-20H oraz Stacja Bramowa DR-2K</p> <p>Szczegółowa instrukcja montażu i obsługi dla systemów domofonowych COMMAX, obejmująca modele unifonów DP-2K, DP-201R, DP-20H oraz stacji bramowej DR-2K. Zawiera informacje techniczne, schematy podłączenia i deklaracje zgodności.</p>
	<p>Katalog Wideodomofonów i Systemów Bezpieczeństwa COMMAX</p> <p>Poznaj pełną ofertę wideodomofonów, domofonów i systemów bezpieczeństwa Smart Home marki COMMAX. Katalog zawiera szczegółowe opisy produktów, specyfikacje techniczne i rozwiązania dla domu i firmy.</p>