

MAKO AIRTEK 1900520060

MAKO AIRTEK Controller for Atlas Copco Control Panel MK5 Gateway 1900520060 User Manual

Model: 1900520060

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of the MAKO AIRTEK Controller, model 1900520060. This controller is designed as a direct replacement for Atlas Copco Control Panel MK5 Gateway systems, ensuring compatibility and reliable performance. Please read this manual thoroughly before attempting any installation or operation.

2. SAFETY INFORMATION

WARNING: Failure to follow these safety instructions may result in electric shock, fire, or serious injury.

- Always disconnect power to the Atlas Copco Control Panel MK5 Gateway system before installation or maintenance.
- Installation should only be performed by qualified personnel.
- Ensure the power supply matches the controller's specifications (24V DC).
- Do not expose the controller to moisture, extreme temperatures, or corrosive environments.
- Do not attempt to modify or repair the controller yourself. Contact qualified service personnel.

3. PRODUCT OVERVIEW

The MAKO AIRTEK Controller 1900520060 is a robust replacement unit for Atlas Copco MK5 Gateway control panels. It features a black casing, operates on 24V DC, and includes an LCD/LED display for clear status indication. Its design ensures 100% compatibility with the original manufacturing standards.



Figure 3.1: Front view of the MAKO AIRTEK Controller 1900520060. This image shows the compact black casing and the integrated display area.



Figure 3.2: Side view of the MAKO AIRTEK Controller, illustrating potential connection points.

4. SETUP AND INSTALLATION

This controller is a direct replacement part. Proper installation requires careful attention to existing wiring and mounting points.

4.1 Pre-installation Steps

1. **Power Disconnection:** Ensure the main power supply to the Atlas Copco Control Panel MK5 Gateway is completely disconnected and locked out.
2. **Documentation:** Take photographs of the existing controller's wiring and mounting for reference. Note all connections.
3. **Programming Requirement:** It is crucial to send the nameplate information of your machine to the supplier for proper programming of the new controller before installation. This ensures correct functionality and compatibility.

4.2 Installation Procedure

1. Carefully remove the old controller from its mounting.
2. Disconnect all wiring from the old controller, referencing your documentation.
3. Mount the new MAKO AIRTEK Controller 1900520060 in the same location as the old unit, ensuring a secure fit.
4. Connect all wiring to the new controller, matching the connections precisely as documented from the old unit. Double-check all connections for tightness and correct polarity.
5. Once all connections are secure, restore power to the system.
6. Verify the controller powers on and the display functions correctly.

5. OPERATING INSTRUCTIONS

The MAKO AIRTEK Controller 1900520060 functions as a direct replacement, meaning its operational interface and behavior are designed to mimic the original Atlas Copco MK5 Gateway controller. Specific operational details will depend on the configuration of your Atlas Copco system.

- **Power On:** Upon restoring power, the controller should initiate its startup sequence, displaying system status on the LCD/LED screen.
- **Display:** Monitor the LCD/LED display for operational parameters, error codes, or status messages relevant to your Atlas Copco system.
- **Interaction:** Any buttons or interface elements on the controller will function as per the original Atlas Copco MK5 Gateway system's design. Refer to your primary Atlas Copco system manual for detailed operational procedures.

6. MAINTENANCE

Regular maintenance helps ensure the longevity and reliable operation of your MAKO AIRTEK Controller.

- **Cleaning:** Periodically clean the exterior of the controller with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Inspection:** Annually inspect all wiring connections for tightness and signs of wear or corrosion.
- **Environment:** Ensure the operating environment remains within specified temperature and humidity ranges (e.g., 0°C operating temperature as indicated in product details).

7. TROUBLESHOOTING

This section addresses common issues you might encounter with the controller.

Problem	Possible Cause	Solution
Controller does not power on.	No power supply; incorrect wiring; faulty unit.	Check main power supply. Verify all wiring connections. If problem persists, contact support.
Display is blank or shows incorrect information.	Wiring issue; programming error; display fault.	Re-check display connections. Ensure controller was programmed correctly for your machine. Contact support if issue continues.
System not responding to controller inputs.	Incorrect programming; communication error; faulty input mechanism.	Confirm programming matches your machine's nameplate. Check communication cables. Refer to your Atlas Copco system manual.

For issues not listed here, or if solutions do not resolve the problem, please contact MAKO AIRTEK customer support.

8. SPECIFICATIONS

Feature	Detail
Model Number	1900520060
Brand	MAKO AIRTEK
Compatibility	Atlas Copco Control Panel MK5 Gateway
Voltage	24 Volts (DC)
Display Type	LCD or LED
Color	Black
Operating Temperature	0°C (as per product details)

9. WARRANTY AND SUPPORT

MAKO AIRTEK stands behind the quality of its products. For warranty information, please refer to your purchase documentation or contact MAKO AIRTEK customer service directly. Ensure you have your product model number (1900520060) and purchase date available when contacting support.

Contact Information: For technical support or inquiries, please refer to the contact details provided at the point of purchase or visit the official MAKO AIRTEK website.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question