

## Pilipane GL09PLUS

# Pilipane GL09PLUS GSM 8-Channel Alarm Unit Instruction Manual

Model: GL09PLUS

## INTRODUCTION

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The Pilipane GL09PLUS is an advanced 8-channel GSM alarm unit designed for effective remote monitoring and security alerts. It provides immediate SMS and call notifications for home security, warehouse surveillance, and various remote applications. This unit features easy configuration, remote control capabilities, and efficient low-power operation with real-time battery voltage monitoring.

This manual provides detailed instructions for the proper installation, operation, and maintenance of your GL09PLUS alarm unit to ensure optimal performance and reliability.

## SETUP

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Follow these steps to set up your Pilipane GL09PLUS GSM alarm unit:

- 1. Insert SIM Card:** Open the SIM card slot cover and carefully insert a 2G GSM SIM card. Ensure the SIM card is active and has sufficient credit for SMS and calls.
- 2. Connect Antenna:** Screw the provided GSM antenna into the "ANT" port on the unit. Ensure it is securely fastened for optimal signal reception.
- 3. Power Connection:** Connect the DC5-16V power supply to the designated power input terminals. The unit will power on automatically.
- 4. Connect Alarm Inputs:** Wire your sensors or alarm triggers to the 8 input channels. The input port can be configured as Normally Closed (NC) or Normally Open (NO) alarm mode using the DIP switches or software settings (refer to advanced configuration). When an input port is short-circuited with the ground wire, an alarm message will be sent.
- 5. Configure Alarm Numbers:** Send SMS commands to the unit's SIM card number to set up the alarm mobile phone numbers that will receive alerts and calls. Refer to the SMS command list for specific instructions.

- It can detect the battery voltage in real time with a low battery voltage alarm.
- When the input port is short-circuited with the ground wire an alarm message will be sent to the preset alarm mobile phone or call the set alarm number.
- 8-channel alarm detection users can set different content for each alarm message.
- The input port can be selected as NC or NO alarm mode.
- 1 alarm voltage output, can be connected to an alarm.
- Built-in GSM module GSM Net has no distance limit.
- DC5V-16V power input.



Image: Overview of the Pilipane GL09PLUS unit, highlighting the SIM card slot, antenna port, input terminals, and DC5-16V power input. This view helps identify key connection points for setup.

## OPERATION

The GL09PLUS offers flexible operation modes for comprehensive security monitoring:

- **SMS & Call Alerts:** Upon detection of an alarm event on any of the 8 channels, the unit will send immediate SMS alerts and make calls to the pre-configured phone numbers. This ensures prompt notification of security breaches.
- **8-Channel Alarm Detection:** Each of the 8 input channels can be customized with specific alarm messages. This allows for detailed identification of the triggered zone or event, providing precise information to the user.
- **Remote Control:** The system can be managed remotely using intuitive applications or simple SMS text messages. This includes arming/disarming the system, checking status, and modifying settings from any location.
- **Low Power Sleep Mode & Battery Monitoring:** The unit features an efficient low-power sleep mode, making it suitable for battery-powered applications. It continuously monitors battery voltage in real-time and sends a low battery alarm when necessary, ensuring uninterrupted operation.

- **Alarm Voltage Output:** The unit provides one alarm voltage output, which can be used to trigger external devices such as sirens or lights upon an alarm event.



Image: The Pilipane GL09PLUS unit shown in a typical installation environment, such as a warehouse, demonstrating its compact size and potential placement.

## MAINTENANCE

To ensure the longevity and reliable performance of your GL09PLUS alarm unit, consider the following maintenance guidelines:

- **Regular Cleaning:** Keep the unit free from dust and debris. Use a soft, dry cloth for cleaning. Avoid using liquid cleaners or solvents.
- **Power Supply Check:** Periodically verify that the power supply is stable and within the specified DC5-16V range.
- **SIM Card Status:** Ensure the SIM card remains active and has sufficient credit. Check for network connectivity issues if alerts are not being received.
- **Battery Monitoring:** If using an external battery, pay attention to low battery alerts and replace or recharge the battery as needed to prevent system downtime.

- **Environmental Conditions:** Ensure the unit is installed in a dry environment, away from extreme temperatures, direct sunlight, and high humidity.

## TROUBLESHOOTING

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If you encounter issues with your GL09PLUS unit, refer to the following common troubleshooting steps:

- **No SMS/Call Alerts:**
  - Check if the SIM card is properly inserted and active.
  - Verify that the SIM card has sufficient credit for SMS and calls.
  - Ensure the GSM antenna is securely connected and positioned for good signal reception.
  - Confirm that the alarm phone numbers are correctly configured via SMS commands.
  - Check the status of the input channels to ensure they are triggering correctly.
- **Unit Not Powering On:**
  - Verify the power supply connection and ensure it provides DC5-16V.
  - Check the power adapter and cable for any damage.
- **Input Not Triggering Alarm:**
  - Ensure the sensor is correctly wired to the input terminal.
  - Verify the input mode (NC/NO) setting matches your sensor type.
  - Test the sensor independently to confirm it is functioning.
- **Poor GSM Signal:**
  - Relocate the unit or adjust the antenna position for better signal reception.
  - Ensure there are no large metallic objects obstructing the signal path.

## SPECIFICATIONS

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Feature	Specification
Brand	Pilipane
Model Number	GL09PLUS
Input Voltage	DC5-16V
GSM Frequency	850/900/1800/1900 MHz
Alarm Channels	8
Connectivity Technology	Wireless (GSM)
Power Source	Battery Powered (with external DC input)
Compatible Devices	Smartphone
Alert Type	Audio and Motion (via connected sensors)
Manufacturer Part Number	Pilipanewt8ey943g7
ASIN	B0C9MN3CT9

## WARRANTY AND SUPPORT

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The Pilipane GL09PLUS GSM Alarm Unit is covered by the manufacturer's standard warranty. For specific warranty terms and conditions, please refer to the documentation included with your purchase or contact Pilipane customer support.

For technical assistance, troubleshooting beyond this manual, or any product-related inquiries, please contact Pilipane customer support through their official channels. You can often find contact information on the product packaging or the manufacturer's website.

## APPLICATIONS

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The Pilipane GL09PLUS GSM Alarm Unit is versatile and suitable for a wide range of security and monitoring applications, including but not limited to:

- **Home Security:** Protecting residential properties from intrusion.
- **Warehouse Monitoring:** Securing storage facilities and receiving alerts for unauthorized access.
- **Unattended Remote Stations:** Monitoring equipment and environments in remote locations without constant human presence.
- **Equipment Parameter Monitoring:** Tracking parameters such as oil pressure, air pressure, water pressure, and voltage, with alerts for deviations.
- **Safety Protection:** Integration with smoke, fire, water, and gas detection sensors for comprehensive safety.



Image: The GL09PLUS unit positioned near a garage door, illustrating its use in securing entry points for homes or small businesses.