

## PGST PA-92

# PGST Wireless Motion Detector Sensor User Manual

Model: PA-92

## 1. INTRODUCTION

The PGST Wireless Motion Detector Sensor (Model PA-92) is an integral component of the PGST Home Security System, designed to enhance the security of your premises by detecting unauthorized movement. This sensor provides reliable motion detection within its specified range and field of view, contributing to a comprehensive and effective security solution. It is essential to note that this motion sensor requires a compatible PGST alarm host for full functionality.



Image 1: Front view of the PGST Wireless Motion Detector Sensor.

## 2. PRODUCT FEATURES

- **All-Day Protection:** Designed to detect motion within a range of up to 25 feet.
- **Wide Field of View:** Offers a 110-degree field of view to cover a significant area.
- **Easy Installation:** Can be installed conveniently using the supplied bracket.
- **Compatibility:** Exclusively compatible with the PGST home security system and requires a PGST alarm host for operation.

## 3. PACKAGE CONTENTS

Please verify that all items are present and in good condition upon opening the package.

- 1 x PGST Wireless Motion Detector Sensor (Model PA-92)
- 1 x Mounting Bracket
- 1 x Lithium Ion Battery (pre-installed or included separately)
- Mounting Screws and Wall Plugs
- User Manual (this document)

## 4. SETUP AND INSTALLATION

Proper installation is crucial for optimal performance of the motion sensor.

## 4.1. Location Selection

- Install the motion sensor in a corner of the room for maximum coverage.
- Position the sensor at least 1.5 meters (approximately 5 feet) off the ground. This height helps ensure effective detection and minimizes false alarms from pets or small objects.
- Avoid placing the sensor directly facing windows, heat sources (e.g., radiators, vents), or areas with direct sunlight, as these can interfere with detection.

## 4.2. Mounting the Sensor

1. Identify the desired mounting location based on the guidelines above.
2. Use the supplied mounting bracket as a template to mark the screw holes on the wall.
3. Drill pilot holes if necessary, and insert wall plugs if mounting into drywall or masonry.
4. Secure the mounting bracket to the wall using the provided screws.
5. Attach the motion sensor to the mounted bracket, ensuring it clicks securely into place.

## 4.3. Battery Installation (if not pre-installed)

The sensor requires one Lithium Ion battery (included).

1. Open the battery compartment cover, usually located on the back or side of the sensor.
2. Insert the Lithium Ion battery, observing the correct polarity (+ and -).
3. Close the battery compartment cover securely.

## 4.4. Pairing with PGST Alarm Host

This motion sensor must be paired with a compatible PGST alarm host. Refer to your PGST alarm host's user manual for specific instructions on how to add new wireless sensors. Generally, this involves putting the alarm host into pairing mode and then triggering the motion sensor to register it with the system.

# 5. OPERATING INSTRUCTIONS

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Once installed and paired, the motion sensor operates automatically as part of your PGST alarm system.

- **Detection:** When the alarm system is armed, the motion sensor will detect movement within its 25-foot range and 110-degree field of view.
- **Alarm Trigger:** Upon detecting motion, the sensor will transmit a signal to the PGST alarm host, which will then trigger the alarm according to your system's settings (e.g., sounding a siren, sending notifications).
- **Indicator Light:** The sensor may have an indicator light that flashes briefly upon detection or during pairing mode. Refer to your alarm host manual for specific sensor indicator behaviors.

# 6. MAINTENANCE

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Regular maintenance ensures the longevity and reliable operation of your motion sensor.

- **Cleaning:** Periodically wipe the sensor's lens and casing with a soft, dry cloth to remove dust and debris. Do not use abrasive cleaners or solvents.
- **Battery Replacement:** The sensor is powered by a Lithium Ion battery. When the battery level is low, your PGST alarm host may indicate a low battery warning for the sensor. Replace the battery promptly to ensure continuous protection. Use only the specified battery type.

- **Testing:** Regularly test the motion sensor by arming your system and walking into the sensor's detection area to confirm it triggers the alarm.

## 7. TROUBLESHOOTING

If you encounter issues with your motion sensor, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
Sensor not detecting motion.	<ul style="list-style-type: none"><li>◦ Low battery.</li><li>◦ Incorrect placement.</li><li>◦ Not paired with alarm host.</li><li>◦ Obstruction in detection path.</li></ul>	<ul style="list-style-type: none"><li>◦ Replace battery.</li><li>◦ Relocate sensor to a corner, 1.5m high.</li><li>◦ Re-pair sensor with alarm host.</li><li>◦ Clear any objects blocking the sensor's view.</li></ul>
False alarms.	<ul style="list-style-type: none"><li>◦ Sensor facing window or heat source.</li><li>◦ Pets or small objects in detection area.</li><li>◦ Loose mounting.</li></ul>	<ul style="list-style-type: none"><li>◦ Adjust sensor angle or relocate.</li><li>◦ Ensure pets cannot trigger sensor; consider pet-immune sensors if available.</li><li>◦ Securely mount the sensor.</li></ul>
Sensor not communicating with alarm host.	<ul style="list-style-type: none"><li>◦ Out of range.</li><li>◦ Interference.</li><li>◦ Low battery.</li></ul>	<ul style="list-style-type: none"><li>◦ Move sensor closer to alarm host or use a signal repeater.</li><li>◦ Check for strong wireless interference sources.</li><li>◦ Replace battery.</li></ul>

## 8. SPECIFICATIONS

Attribute	Detail
Brand	PGST
Model Number	PA-92
Color	White
Power Source	Battery Powered
Battery Type	1 Lithium Ion battery (included)
Maximum Detection Range	25 Feet (approx. 7.6 meters)
Field of View	110 degrees
Mounting Type	Protruding (Screw-In)
Material	Plastic
Item Weight	2.39 ounces (approx. 67.7 grams)
Product Dimensions (L x W x H)	1.4 x 1.2 x 1.22 inches (approx. 3.56 x 3.05 x 3.1 cm)
Recommended Uses	Indoor
Compatible Devices	PGST alarm system (requires PGST alarm host)

## 9. SAFETY INFORMATION

- Do not attempt to disassemble or modify the sensor. This may void the warranty and cause damage.
- Keep the device away from water and excessive humidity.
- Ensure proper battery disposal according to local regulations.
- This device is for indoor use only.

## 10. WARRANTY AND SUPPORT

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For warranty information and technical support, please refer to the documentation provided with your PGST alarm host or visit the official PGST website. PGST is committed to providing reliable security solutions and customer satisfaction.



Image 2: PGST Brand Logo.



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Documents - PGST – PA-92

no relevant documents