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› Kingavon BB-DC102 Motion Sensor Alarm User Manual

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1. INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of your Kingavon BB-DC102 Motion Sensor Alarm. This device is designed to detect motion and activate an alarm, serving as a deterrent for unauthorized entry. Please read this manual thoroughly before using the product to ensure proper function and safety.

2. SAFETY INFORMATION

- Keep the device away from water and excessive moisture.
- Do not attempt to open or repair the device yourself. Refer all servicing to qualified personnel.
- Ensure batteries are inserted with correct polarity. Incorrect insertion can cause damage.
- Replace all batteries at the same time; do not mix old and new batteries.
- Dispose of used batteries according to local regulations.
- This device is intended for indoor use only.

3. PACKAGE CONTENTS

Verify that all items listed below are present in your package:

- 1 x Kingavon BB-DC102 Motion Sensor Alarm Unit
- 2 x Remote Control Key-rings (with 3 x AG13 button cell batteries pre-installed)
- 1 x Wall Mount Bracket
- Instruction Manual

4. SETUP

4.1. Battery Installation (Main Unit)

1. Locate the battery compartment on the back of the main alarm unit.
2. Open the battery compartment cover.
3. Insert 4 x AA batteries (not supplied) into the compartment, ensuring correct polarity (+/-).
4. Close the battery compartment cover securely.
5. Alternatively, a 6V DC power adaptor (not supplied) can be used. Connect the adaptor to the DC input port on the unit.

4.2. Remote Control Batteries

The two remote control key-rings come with 3 x AG13 button cell batteries pre-installed. No action is required for initial setup.

4.3. Mounting the Alarm Unit

The alarm unit can be wall-mounted for optimal motion detection.

1. Choose a suitable location for the alarm unit, ensuring it covers the desired area for motion detection. The unit has a 5-meter detection range.
2. Use the provided wall mount bracket as a template to mark drilling points on the wall.
3. Drill holes and insert appropriate wall plugs (if necessary).
4. Secure the wall mount bracket to the wall using screws.
5. Attach the main alarm unit to the wall mount bracket. Ensure it is securely fastened and positioned to cover the intended area.





Image 1: Kingavon BB-DC102 Motion Sensor Alarm main unit and remote controls. This image shows the compact design of the alarm unit and the two included remote key-rings, illustrating the components involved in the setup.

5. OPERATING INSTRUCTIONS

5.1. Arming the Alarm

To arm the alarm unit:

- Press the **ARM** button on one of the remote control key-rings.
- The alarm unit will emit a short beep, and the **RED** LED indicator will flash, signifying that the alarm is armed and ready to detect motion.

5.2. Disarming the Alarm

To disarm the alarm unit:

- Press the **DISARM** button on one of the remote control key-rings.
- The alarm unit will emit a short beep, and the **GREEN** LED indicator will illuminate, signifying that the alarm is disarmed.

5.3. Motion Detection

When the alarm is armed and motion is detected within its 5-meter range, the alarm will sound. The PIR sensor detects movement within its field of view.

- Ensure the sensor is not obstructed by furniture or other objects.
- Avoid placing the unit near heat sources or direct sunlight, which can cause false alarms.

6. MAINTENANCE

6.1. Battery Replacement (Main Unit)

When the alarm unit's performance degrades or the LED indicators become dim, it is time to replace the batteries.

1. Disarm the alarm unit.
2. Open the battery compartment on the back of the unit.
3. Remove the old 4 x AA batteries.
4. Insert new 4 x AA alkaline batteries, observing correct polarity.
5. Close the battery compartment cover.
6. Test the alarm unit to ensure proper function.

6.2. Battery Replacement (Remote Control)

If the remote control range decreases or it becomes unresponsive, replace its batteries.

1. Locate the small screw on the back of the remote control.
2. Unscrew it and carefully open the remote casing.
3. Remove the old 3 x AG13 button cell batteries.
4. Insert new 3 x AG13 button cell batteries, observing correct polarity.
5. Close the casing and secure it with the screw.

6.3. Cleaning

Wipe the alarm unit and remote controls with a soft, dry cloth. Do not use abrasive cleaners or solvents, as these can damage the surface.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Alarm does not arm/disarm.	<ul style="list-style-type: none"> Remote control batteries are low or dead. Main unit batteries are low or dead. Remote control is out of range (5m). 	<ul style="list-style-type: none"> Replace remote control batteries (3 x AG13). Replace main unit batteries (4 x AA). Move closer to the main unit.
Alarm triggers falsely.	<ul style="list-style-type: none"> Unit placed near heat sources (vents, direct sunlight). Movement of curtains or pets. 	<ul style="list-style-type: none"> Relocate the unit away from heat sources. Adjust placement to avoid detecting non-human movement.
Alarm does not sound when motion is detected.	<ul style="list-style-type: none"> Alarm is not armed. Main unit batteries are dead. Sensor is obstructed. 	<ul style="list-style-type: none"> Ensure the alarm is armed using the remote control. Replace main unit batteries (4 x AA). Clear any obstructions from the sensor's view.

8. SPECIFICATIONS

Model Number	BB-DC102
Brand	Kingavon
Power Source (Main Unit)	4 x AA Batteries (not supplied) or 6V DC Adaptor (not supplied)
Power Source (Remote Control)	3 x AG13 Button Cell Batteries (supplied)
Maximum Range	5 Meters (PIR sensor)
Mounting Type	Wall Mount
Item Weight	0.26 Pounds
Color	Red

9. WARRANTY AND SUPPORT

Kingavon products are manufactured to high standards and undergo strict quality control. For information regarding warranty coverage, technical support, or service, please refer to the documentation provided with your purchase or contact your retailer. Please retain your proof of purchase for warranty claims.

