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Dakota Alert DCMA-4000

Dakota Alert DCMA-4000 Wireless Driveway Motion Detector User Manual

Model: DCMA-4000 | Brand: Dakota Alert

1. INTRODUCTION

The Dakota Alert DCMA-4000 is a long-range wireless driveway motion detector designed to enhance property security by alerting users to movement in monitored areas. This system utilizes a passive infrared (PIR) sensor to detect people, large animals, or vehicles, transmitting a signal to a receiver up to one mile away. Its robust design ensures reliable operation in various outdoor conditions.

This manual provides comprehensive instructions for setting up, operating, and maintaining your DCMA-4000 system, along with troubleshooting tips and product specifications.

2. PRODUCT OVERVIEW

The DCMA-4000 system consists of a motion sensor (transmitter) and a receiver. The sensor is designed for outdoor use, while the receiver is typically placed indoors.

2.1. DCMA-4000 Motion Sensor (Transmitter)

This weatherproof sensor detects movement using passive infrared technology. It operates on a 9-volt battery, providing long-lasting performance without the need for solar panels. The sensor can detect movement up to 100 feet away and transmits a wireless signal up to one mile to the receiver.



Figure 1: Dakota Alert DCMA-4000 Motion Sensor. This is the outdoor unit that detects movement.

**DCR-4000
RE-4k Plus | PR-4000**

RECEIVERS

**DAKOTA ALERT 4000
SERIES DEVICES ARE
100% COMPATIBLE AND
EASILY EXPANDABLE**

You can pair up to 16 sensors with one receiver, or
an unlimited number of receivers with one sensor.

The background of the advertisement is a scenic photograph of a wooden cabin in a lush green field with tall pine trees under a cloudy sky. A wooden picnic table is visible in the foreground.

Figure 2: The DCMA-4000 Motion Sensor is designed to detect movement from people, large animals, and vehicles.

2.2. DCR-4000 Receiver

The DCR-4000 receiver is an indoor unit that receives signals from the motion sensor. It features multiple selectable

tunes and adjustable volume levels to alert you when motion is detected. It can be paired with up to 16 sensors, allowing for an expandable security system.



Figure 3: Dakota Alert DCR-4000 Receiver. This indoor unit provides audible alerts.



Figure 4: The DCMA-4000 sensor and DCR-4000 receiver working together for perimeter monitoring.

3. SETUP INSTRUCTIONS

3.1. Unboxing and Initial Inspection

Upon receiving your Dakota Alert DCMA-4000, carefully unbox all components and inspect for any damage. The package should include the DCMA-4000 motion sensor, DCR-4000 receiver, power adapter, and user guide.

Your browser does not support the video tag.

Video 1: Unboxing the Dakota Alert DCMA-4000. This video demonstrates the contents of the product package.

3.2. Installing the Sensor Battery

The DCMA-4000 motion sensor operates on one 9-volt battery (not included). To install:

1. Open the sensor casing.
2. Insert a fresh 9-volt battery, ensuring correct polarity.
3. Securely close the sensor casing.

3.3. Mounting the Motion Sensor

Mount the sensor outdoors in a location where it can effectively detect movement across your desired monitoring zone. Ensure it is positioned to avoid false alarms from small animals or swaying foliage. The sensor comes with a swivel mount bracket and a flat mount bracket for flexible installation.

24/7 MONITORING



The **Dakota Alert DCMA-4000** is a passive infrared (PIR) motion detector that detects moving people, large animals, and vehicles within the protected area.



Figure 5: The DCMA-4000 Motion Sensor mounted on a tree for optimal detection.

3.4. Powering the Receiver

Place the DCR-4000 receiver indoors, within range of the sensor. Connect the power adapter to the jack at the bottom of the receiver and plug it into a standard AC outlet.

3.5. Pairing Sensor(s) with Receiver

The DCMA-4000 uses code-learning technology for easy pairing. Follow these steps to pair your sensor(s) with the receiver:

1. Press and hold the MODE button on the receiver for 3 seconds until all blue LEDs flash and start blinking slowly. This indicates programming mode.
2. Press the volume button repeatedly until you find the desired tune you want to sound when a transmitter is activated.
3. Activate the transmitter (e.g., press its button or wave your hand over its motion sensor). The receiver will emit

a short beep to confirm the transmitter has been coded.

4. If coding more than one transmitter, repeat steps 2-3 for each additional transmitter.
5. After all transmitters are coded, press and hold the MODE button for 3 seconds until the LEDs stop flashing to exit programming mode.

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Video 2: Programming the DCR-4000 Receiver. This video demonstrates how to pair transmitters and select alert tunes.

4. OPERATING INSTRUCTIONS

Once set up, the DCMA-4000 system operates automatically. When the motion sensor detects movement, it sends a signal to the paired receiver, which then sounds the selected tune.

4.1. Adjusting Volume

The receiver's volume can be adjusted to your preference. Use the dedicated volume buttons on the receiver to increase or decrease the alert sound level.

4.2. Selecting Tunes

The DCR-4000 receiver offers 12 different tunes. During the pairing process (Section 3.5), you can cycle through these tunes using the volume button to select the one you prefer for each sensor.

4.3. Sensor Sensitivity

The motion sensor's detection range is up to 100 feet. Adjust the sensor's physical placement and angle to optimize detection and minimize false alarms. For specific sensitivity adjustments, refer to the detailed user guide included with your product.

5. MAINTENANCE

5.1. Battery Replacement

The DCMA-4000 sensor's 9-volt battery typically lasts for a year or more. Replace the battery when the sensor's performance degrades or if the receiver indicates a low battery status (refer to your receiver's specific indicators).

5.2. Weather Resistance

The DCMA-4000 sensor is designed to withstand various weather conditions, operating effectively from -30 to 110 degrees Fahrenheit. Ensure the sensor casing is always securely closed to maintain its weatherproof integrity. Periodically check the casing for any signs of damage or water intrusion.

BAD WEATHER DURABILITY



The **DCMA-4000** withstands unexpected weather conditions. You can mount it outdoors even during the winter. This wireless transmitter works fine both day and night, rain or shine, operating from -30 to 110 degrees Fahrenheit.

DA Dakota Alert, Inc.
WIRELESS SECURITY EQUIPMENT

Figure 6: The DCMA-4000 sensor is built for durability in various weather conditions.

6. TROUBLESHOOTING

6.1. No Alert from Receiver

- **Check Battery:** Ensure the sensor has a fresh 9-volt battery.
- **Power Supply:** Verify the receiver is properly plugged into an AC outlet.
- **Pairing:** Re-check the pairing process (Section 3.5) to ensure the sensor and receiver are correctly linked.
- **Range:** Confirm the sensor is within the one-mile wireless range of the receiver. Obstacles like dense foliage or terrain can affect range.

- **Speaker Function:** If the receiver blinks but produces no audio, the speaker may be faulty. Contact customer support for assistance.

6.2. False Alarms

- **Sensor Placement:** Adjust the sensor's position and angle to avoid detecting small animals, swaying branches, or direct sunlight.
- **Sensitivity:** Some models may have adjustable sensitivity settings (refer to the full user guide).

6.3. Water Inside Sensor Unit

If water is found inside the sensor unit, it indicates a breach in the weatherproof seal. Ensure the casing is properly sealed after battery changes. If the unit continues to experience water intrusion, it may be defective. Contact customer support.

7. SPECIFICATIONS

Feature	Detail
Brand	Dakota Alert
Model	DCMA-4000
Color	Olive, White
Power Source (Sensor)	1 x 9V battery (not included)
Power Source (Receiver)	AC adapter
Maximum Wireless Range	1 Mile (line of sight, actual range may vary)
Motion Detection Range	Up to 100 feet
Operating Temperature	-30 to 110 degrees Fahrenheit
Dimensions (L x W x H)	7.25 x 6 x 2.5 inches
Item Weight	1.3 Pounds
Compatible Devices	Dakota Alert 4000 Series sensors and receivers
Mounting Type	Wall Mount
Usage	Inside, Outside

8. WARRANTY AND SUPPORT

The Dakota Alert DCMA-4000 comes with a one-year warranty. For warranty claims, technical support, or any product-related inquiries, please contact Dakota Alert customer service. You can find contact information on the official Dakota Alert website or through your retailer.

Dakota Alert is a South Dakota-based company with over 30 years of experience in wireless alert systems, committed to providing reliable products.