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ECCO 575

ECCO 575 Back Up Alarm User Manual

Model: 575 | Brand: ECCO

1. PRODUCT OVERVIEW

The ECCO 575 Back Up Alarm is a compact and reliable warning solution designed to enhance safety during vehicle reversing operations. It features a durable, glass-filled nylon housing with epoxy-encapsulated electronics, providing excellent protection against moisture, dust, and vibration. This alarm is part of ECCO's popular 500 Series, known for its cost-effectiveness and adherence to SAE certifications.



Image: The ECCO 575 Back Up Alarm, showcasing its compact design and wiring for installation.

2. KEY FEATURES

- **High Sound Output:** Produces a powerful 107 dB sound level, ensuring clear audibility in noisy environments.
- **Wide Voltage Compatibility:** Operates efficiently on 12 to 24 VDC systems.
- **Durable Construction:** Features a glass-filled nylon housing and epoxy-encapsulated electronics for superior protection against dust, moisture, and vibration.
- **Compact Design:** With dimensions of 2.8" H x 4.0" W x 1.6" D, it is one of ECCO's most compact alarms, suitable for various mounting locations.
- **Universal Mounting:** Designed for easy and versatile installation.
- **Certified Reliability:** Meets SAE J994 Type B (AMECA), UL, CE, and e standards, ensuring quality and performance.

Video: Official product video for the ECCO 575 Back Up Alarm, demonstrating its compact size, universal mounting bracket, epoxy-sealed construction for durability, and the loud 107 dB warning sound.

3. SPECIFICATIONS

Attribute	Detail
Model Number	575
Sound Level	107 dB
Voltage	12-24 VDC
Current Drawn	0.3A
Housing Material	Fiberglass Reinforced Nylon
Dimensions (H x W x D)	2.8" x 4.0" x 1.6"
Item Weight	12 ounces
Mounting	Universal
Standards	SAE J994 Type B (AMECA), UL, CE, e
Included Components	1 back up alarm, instructions
Country of Origin	Vietnam

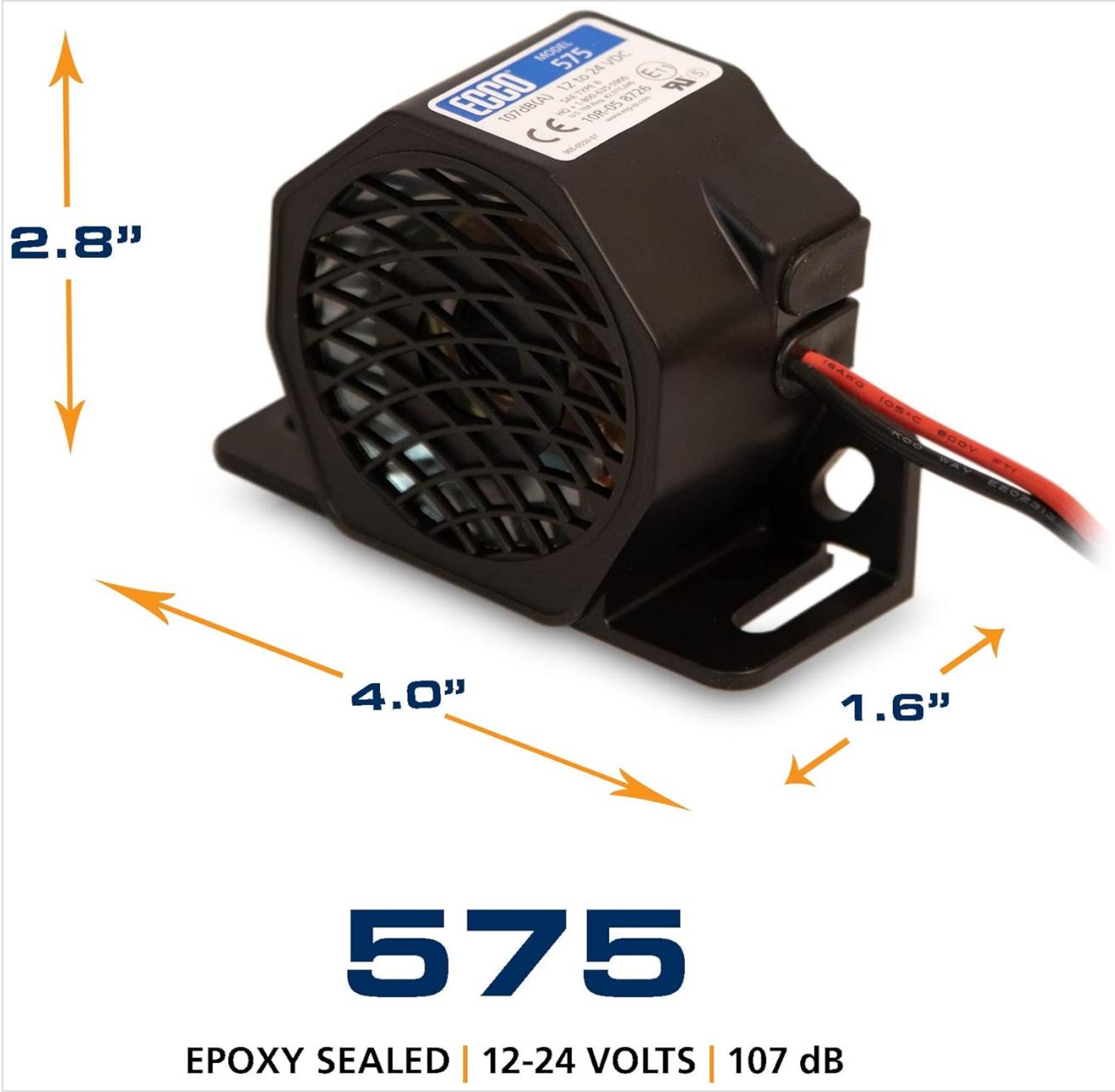


Image: Detailed dimensions of the ECCO 575 Back Up Alarm, highlighting its compact size.

4. INSTALLATION

The ECCO 575 Back Up Alarm is designed for straightforward installation. It features a universal mounting bracket for flexible placement on your vehicle. Ensure the mounting surface is secure and free from obstructions.

Wiring Instructions:

- 1. Identify Power Source:** Connect the alarm to a 12-24 VDC power source that is activated when the vehicle is in reverse gear. This is typically the vehicle's reverse light circuit.
- 2. Connect Wires:**
 - Connect the **Red** wire from the alarm to the positive (+) terminal of the reverse light circuit.
 - Connect the **Black** wire from the alarm to a suitable ground (-) point on the vehicle chassis.
- 3. Secure Connections:** Ensure all electrical connections are secure and properly insulated to prevent short

circuits and corrosion.

4. **Test Functionality:** After installation, engage the vehicle's reverse gear (with the engine running and parking brake applied, if safe) to verify the alarm sounds correctly.

For optimal performance and safety, it is recommended to have installation performed by a qualified professional if you are unfamiliar with vehicle electrical systems.

5. OPERATION

The ECCO 575 Back Up Alarm is designed for automatic operation. Once properly installed and wired to the vehicle's reverse light circuit, the alarm will activate automatically whenever the vehicle is shifted into reverse gear.

- The alarm emits a continuous "beep-beep-beep" sound pattern at 107 dB to alert pedestrians and other vehicle operators that the vehicle is backing up.
- Ensure the alarm is not obstructed by debris or vehicle components, which could muffle the sound.
- Always exercise caution and check surroundings visually when backing up, even with the alarm active.



Image: A large vehicle backing up, illustrating a typical scenario where the ECCO 575 Back Up Alarm provides crucial safety warnings.

6. MAINTENANCE

The ECCO 575 Back Up Alarm is designed for minimal maintenance due to its robust construction and epoxy-sealed electronics. However, regular checks can ensure its continued optimal performance:

- **Visual Inspection:** Periodically inspect the alarm for any physical damage, cracks in the housing, or loose mounting.
- **Cleanliness:** Keep the speaker grille free from dirt, mud, ice, or other debris that could obstruct sound output. Use a soft cloth and mild detergent if cleaning is necessary.
- **Wiring Check:** Ensure all wiring connections remain secure and free from corrosion. Damaged or frayed wires should be repaired or replaced immediately.

- **Functionality Test:** Regularly test the alarm by engaging reverse gear to confirm it is sounding clearly and consistently.

7. TROUBLESHOOTING

If your ECCO 575 Back Up Alarm is not functioning as expected, consider the following troubleshooting steps:

Problem	Possible Cause	Solution
Alarm does not sound.	No power to the alarm; loose or corroded wiring; faulty reverse switch; damaged alarm unit.	Check power supply to the reverse light circuit. Inspect all wiring connections for tightness and corrosion. Test the vehicle's reverse switch. If all else fails, the alarm unit may need replacement.
Alarm sounds too quiet or distorted.	Obstructed speaker grille; low voltage; internal damage.	Clear any debris from the speaker grille. Verify the voltage supply is within the 12-24 VDC range. If the issue persists, the alarm may be damaged.
Alarm sounds continuously (not just in reverse).	Incorrect wiring; short circuit in the reverse light circuit.	Re-check wiring connections to ensure the alarm is only connected to the reverse light circuit. Inspect the reverse light circuit for any short circuits.

If you are unable to resolve the issue after following these steps, please contact ECCO customer support or a certified automotive technician.

8. WARRANTY AND SUPPORT

The ECCO 575 Back Up Alarm comes with a **2-year manufacturer's warranty**. This warranty covers defects in materials and workmanship under normal use and service.

For warranty claims, technical assistance, or any product-related inquiries, please contact ECCO customer support through their official website or the retailer where the product was purchased. Please have your product model number (575) and proof of purchase available when contacting support.

For more information about ECCO products and safety solutions, visit the official ECCO website: www.eccoesg.com