

ECCO SA917N

ECCO SA917N Back Up Alarm User Manual

Model: SA917N | Brand: ECCO

1. INTRODUCTION

The ECCO SA917N Back Up Alarm is designed to enhance safety during vehicle reversing operations. This durable and compact alarm provides an audible warning to pedestrians and other vehicles, reducing the risk of accidents. Featuring a 'Smart Alarm' function, it automatically adjusts its sound level based on ambient noise, ensuring optimal audibility without being excessively loud in quiet environments.

2. PRODUCT FEATURES

- **Voltage:** Operates on 12 to 24VDC systems.
- **Color:** Classic black finish.
- **Mounting:** Designed for reverse speaker mounting for simple application.
- **Housing Material:** Constructed from durable Fiberglass Reinforced Nylon.
- **Current Drawn:** Efficient operation with a 0.4A current draw.
- **Diameter:** Compact size with a 3-1/10" diameter.
- **Smart Alarm Function:** Automatically adjusts sound output from 87dB(A) to 112dB(A) based on ambient noise levels.



This image displays the ECCO SA917N Back Up Alarm. It is a compact, black, horn-shaped device designed for vehicle safety. The front features a speaker covered by a grill, with a prominent blue label indicating 'ECCO SMART ALARM'. Two electrical wires, one red and one black, extend from the side for connection.

3. SETUP AND INSTALLATION

Proper installation is crucial for the optimal performance and safety of your ECCO SA917N Back Up Alarm. It is recommended that installation be performed by a qualified technician.

3.1 Mounting

- Select a mounting location at the rear of the vehicle that is protected from direct impact and excessive debris, yet allows for clear sound propagation.
- Ensure the mounting surface is flat and secure. The alarm is designed for reverse speaker mounting, meaning the speaker opening should face the direction of sound projection.
- Use appropriate fasteners (not included) to securely attach the alarm to the vehicle chassis or bumper. The Fiberglass Reinforced Nylon housing provides durability.

3.2 Wiring

- Identify the vehicle's reverse light circuit. This circuit typically provides power only when the vehicle is in reverse gear.
- Connect the red wire of the alarm to the positive (+) lead of the reverse light circuit.
- Connect the black wire of the alarm to a suitable vehicle ground (-).
- Ensure all connections are secure and insulated to prevent short circuits and corrosion.
- Verify the alarm operates correctly by engaging reverse gear.

4. OPERATION

The ECCO SA917N Back Up Alarm is designed for automatic operation. Once properly installed and wired to the vehicle's reverse light circuit, it will activate whenever the vehicle is shifted into reverse gear.

4.1 Smart Alarm Functionality

This model features a 'Smart Alarm' capability. This means the alarm's sound output is dynamic:

- In quiet environments, the alarm will operate at a lower sound level, typically around 87dB(A).
- As the ambient noise level around the vehicle increases (e.g., in busy traffic or construction sites), the alarm will automatically increase its sound output, up to a maximum of 112dB(A), to ensure it remains audible and effective.

This intelligent adjustment helps prevent unnecessary noise pollution while guaranteeing safety warnings are heard when needed most.

5. MAINTENANCE

The ECCO SA917N Back Up Alarm is built for durability and requires minimal maintenance. Regular inspection can help ensure its continued reliable operation.

- **Cleaning:** Periodically clean the exterior of the alarm with a damp cloth to remove dirt and debris. Avoid using harsh chemicals or abrasive cleaners.
- **Inspection:** Regularly check the mounting hardware for tightness and ensure the alarm is still securely attached. Inspect the wiring for any signs of wear, fraying, or corrosion.
- **Functionality Test:** Periodically test the alarm by engaging reverse gear to ensure it activates and produces sound.

6. TROUBLESHOOTING

If your ECCO SA917N Back Up Alarm is not functioning as expected, consider the following common issues and solutions:

Problem	Possible Cause	Solution
Alarm does not sound when in reverse.	No power to the alarm; loose or corroded wiring; faulty reverse light switch; alarm malfunction.	Check all wiring connections for security and continuity. Verify power is present at the alarm's red wire when in reverse. Inspect vehicle's reverse light switch. If all else fails, the alarm may need replacement.
Alarm is too quiet or not loud enough.	Ambient noise level is low (Smart Alarm feature); obstruction blocking sound; incorrect mounting.	Understand that the 'Smart Alarm' adjusts volume based on surroundings. Test in a noisy environment to see if volume increases. Ensure no physical obstructions are blocking the speaker. Verify correct mounting direction.
Alarm sounds continuously.	Incorrect wiring; short circuit in reverse light circuit.	Re-check wiring to ensure the alarm is only receiving power when reverse gear is engaged. Inspect the vehicle's reverse light circuit for any short circuits.

7. SPECIFICATIONS

Specification	Value
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Specification	Value
Model	SA917N
Brand	ECCO
Item Weight	1 pounds
Product Dimensions	5.75 x 4 x 3.5 inches
Voltage	12 to 24VDC
Current Drawn	0.4A
Noise Level (Smart Alarm)	87 dB(A) to 112 dB(A)
Housing Material	Fiberglass Reinforced Nylon
Diameter	3-1/10 inches
Manufacturer Part Number	SA917N

8. WARRANTY AND SUPPORT

For information regarding warranty coverage and technical support for your ECCO SA917N Back Up Alarm, please refer to the official ECCO website or contact their customer service directly. Keep your purchase receipt as proof of purchase for any warranty claims.

ECCO Contact Information: Please visit the official ECCO website for the most current contact details, including phone numbers and email addresses for customer support.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question