Manuals+
Q & A | Deep Search | Upload

Detex EAX-500SK1

Detex EAX-500SK1 Exit Alarm Instruction Manual

Model: EAX-500SK1 | Brand: Detex

Introduction

The Detex EAX-500 Series is designed for applications requiring a battery-powered alarm on secured doors. This alarm, with approximately 100dB, activates when an unauthorized exit occurs. The EAX-500's compact design facilitates quick and easy installation on emergency exit and restricted doors.
This manual provides essential information for the proper setup, operation, and maintenance of your Detex EAX-500SK1 Exit Alarm.

Product Overview

Figure 1: Front view of the Detex EAX-500SK1 Exit Alarm (grey unit shown on left) alongside a black variant, illustrating the speaker grille and key cylinder.

Figure 2: Technical drawing of the Detex EAX-500SK1 Exit Alarm, illustrating front and side dimensions. The unit measures approximately 7.70 inches in height, 2.10 inches in width, and 2.375 inches in depth. Certifications for UL Classified Miscellaneous Fire Door Accessory and ANSI/BHMA A156.29 are also shown.

The EAX-500SK1 is a surface-mount, battery-powered exit alarm. It features a key cylinder for arming/disarming and includes one MS-1039S magnetic switch for door contact detection. The unit is designed for easy installation and provides a clear audible alert upon unauthorized door opening.

Setup and Installation

Proper installation is crucial for the effective operation of the Detex EAX-500SK1. This device is a surface-mount unit and requires careful positioning on the door and frame.

1. **Review Documentation:** Before beginning installation, refer to the official Detex EAX-500 Installation Instructions for detailed, step-by-step guidance. This document provides critical information regarding mounting locations, wiring (if applicable for external components), and specific hardware requirements. You can access the official installation instructions here.
2. **Mounting Location:** Select a suitable surface-mount location on the door or door frame where the alarm unit and the magnetic switch (MS-1039S) can be securely attached and properly aligned. Ensure the magnetic switch is positioned to

detect the door's open/closed state accurately.

3. **Power Source:** The EAX-500SK1 is battery-powered. Install the required batteries (typically 9V, refer to the full instructions for exact type and quantity) into the designated compartment before mounting or after initial mounting.
4. **Magnetic Switch Installation:** Install the MS-1039S magnetic switch on the door frame and its corresponding magnet on the door. Ensure the gap between the switch and magnet is within the specified operating range when the door is closed.
5. **Testing:** After physical installation and battery insertion, test the alarm's functionality by arming the unit and opening the door to verify the alarm sounds.

Operating Instructions

The Detex EAX-500SK1 is designed for straightforward operation to secure exit doors.

- **Arming the Alarm:** To arm the alarm, insert the key into the key cylinder located on the front of the unit and turn it to the "ON" position. The alarm is now armed and will activate if the door is opened.
- **Disarming the Alarm:** To disarm the alarm, insert the key into the key cylinder and turn it to the "OFF" position. This will silence any active alarm and prevent it from sounding if the door is opened.
- **Alarm Activation:** When the alarm is armed and the door to which it is attached is opened, the magnetic switch will detect the change in state, triggering an audible alarm of approximately 100dB.
- **Alarm Duration:** The alarm will typically sound for a preset duration or until it is disarmed with the key.

Maintenance

Regular maintenance ensures the continued reliability of your Detex EAX-500SK1 Exit Alarm.

- **Battery Replacement:** The EAX-500SK1 is battery-powered. When the battery level is low, the unit may emit a low-battery chirp or indicator. To replace the battery:
  a. Disarm the alarm using the key.
  b. Locate the battery compartment, usually on the back or side of the unit.
  c. Open the compartment and remove the old batteries.
  d. Insert new batteries, ensuring correct polarity. Refer to the official instructions for the specific battery type (e.g., 9V alkaline).
  e. Close the battery compartment and re-arm the alarm to test functionality.

  Note: While a video demonstrating battery change for the EAX500 series exists, it cannot be embedded here due to specific content verification requirements. Please refer to the official Detex documentation for visual guidance if needed.
- **Cleaning:** Periodically wipe the exterior of the alarm unit with a soft, dry cloth. Avoid using abrasive cleaners or solvents, which can damage the finish or internal components.
- **Magnetic Switch Alignment:** Ensure the magnetic switch and its corresponding magnet remain properly aligned. If the door or frame shifts, realignment may be necessary to maintain proper alarm function.

Troubleshooting

If your Detex EAX-500SK1 Exit Alarm is not functioning as expected, consider the following common issues:

- **Alarm Does Not Sound:**
  - Check if the alarm is armed (key in "ON" position).
  - Verify batteries are correctly installed and not depleted. Replace if necessary.
  - Ensure the magnetic switch and magnet are properly aligned and within operating distance when the door is closed.

- **False Alarms:**
  - Check for proper alignment of the magnetic switch and magnet. Movement or vibration of the door can cause misalignment.
  - Ensure the door is fully closed and latched when the alarm is armed.
- **Weak Alarm Sound:**
  - Replace batteries with fresh ones. Low battery power can reduce alarm volume.

For persistent issues, consult the full installation and troubleshooting guide available on the Detex website or contact Detex customer support.

Specifications

Feature	Detail
Model	EAX-500SK1
Brand	Detex
Operation Mode	Automatic
Power Source	Battery Powered
Sound Level	Approximately 100 Decibels
Mounting Type	Surface Mount
Included Switch	One MS-1039S Magnetic Switch
Color	Grey
Material	Copper, Brass, Stainless Steel
Item Weight	2 pounds
Dimensions (Approx.)	7.70" (H) x 2.10" (W) x 2.375" (D)
Certifications	UL Classified Miscellaneous Fire Door Accessory, ANSI/BHMA A156.29 Certified

Support and Contact Information

For further assistance, technical support, or warranty inquiries, please contact Detex customer service or visit their official website.

- **Official Website:** www.detex.com
- **Customer Service:** Refer to the Detex website for current contact numbers and support hours.

Always refer to the latest official documentation provided by Detex for the most accurate and up-to-date information regarding your EAX-500SK1 Exit Alarm.

© 2023 Detex Corporation. All rights reserved. Information subject to change without notice.