

Detex EA-500 Series Exit Alarm Battery-Powered Surface-Mount

Function and Operation

The Detex EA-500 Series Exit Alarm's surface-mount, slim-line design blends with architectural decor and is easy to install using ordinary tools. This low-cost, self-contained door alarm employs a 95-decibel, directional piezo horn to warn of unauthorized use of a door.

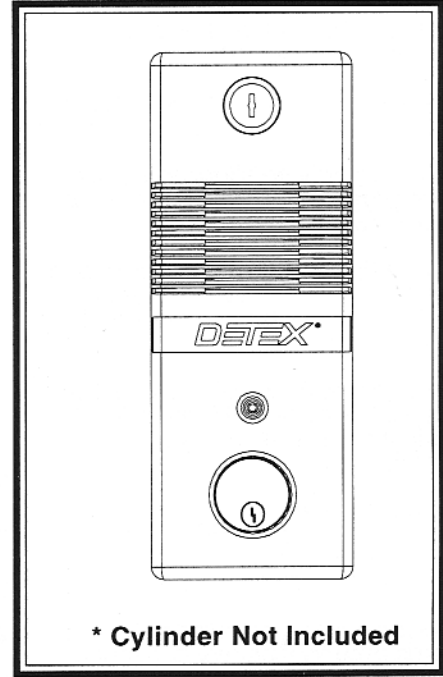
The alarm triggers by reliable magnetic switching, either internally or externally by separate Detex MS-2049 door switches. This is a non-hand unit. The internal magnetic activation switch can be positioned to the left or right side of the alarm. Any movement of the door opens the switch contacts, setting off the alarm.

Authorized persons with bypass key can temporarily disarm the unit allowing them to open and close the

door within a pre-set time and not sound the alarm. Authorized passage is accomplished by (1) turning the control key 90° and (2) immediately turning it back. The time delay can be adjusted from 5 to 30 seconds to allow sufficient time to exit. Bypass can also be accomplished by using a remote switch or a Detex access control product to disarm the alarm momentarily.

OKC (Outside Key Control) option lets user enter the protected door from the outside without triggering the alarm. It also provides the ability to reset the alarm from the outside. An extra switch assembly is required (Detex part # EA-523).

In-swinging door applications can be accomplished by using the Detex MS-2049SI magnetic switch.



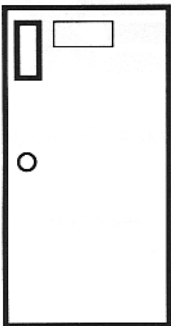
* Cylinder Not Included

Applications

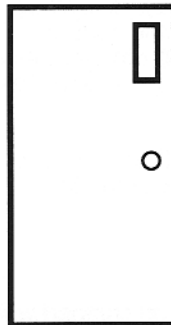
The EA-500 Series Exit Alarm provides protection for a wide variety of doorways, particularly emergency exits and internal security doors. In addition, it adapts easily to narrow stile doors and frames.

The EA-500 features a non-handed design. Sensors can be configured inside or outside the case; internal knockouts facilitate mounting. The EA-500 is designed for use with inswinging or outswinging, left or right hand, doors. The inswinging

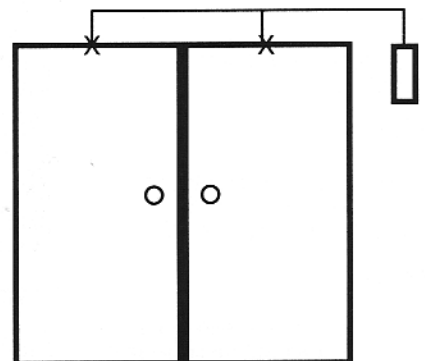
door application requires the Detex MS-2049SI. Depending on type of door, alarms can be mounted on latch side of door. For double door applications, one alarm can monitor both doors with 2 Detex MS-2049 switches wired in series. A 90° Detent feature is included.



Left-side mounting



Right-side mounting



Door switch actuated

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Security features

Case and internal mounted piezo horn resist tampering.

Threaded lock on cover protects mounting screws and electrical system.

Alarm can only be silenced by use of the proper control key or remote bypass switch.

State-of-the-art electronic closed loop circuit operation - alarm will sound any time the wires to the external sensor are cut.

Piezo horn with directional characteristics blasts over 95 decibels of sound if door is used without authorization.

Low battery alert detector causes alarm to "chirp" and LED to blink (in a manner similar to smoke alarms) whenever the battery needs replacing.

Reverse battery protection safeguards circuitry if battery is inserted incorrectly.

Re-arming within a few seconds after authorized use is automatic and does not depend on the user remembering to do it.

Alarm is triggered by reliable magnetic switching.

Adjustable time delay (5-30 seconds) allows sufficient time to exit.

90° Detent prevents the removal of the control key when the unit is in the disarmed position.

Option

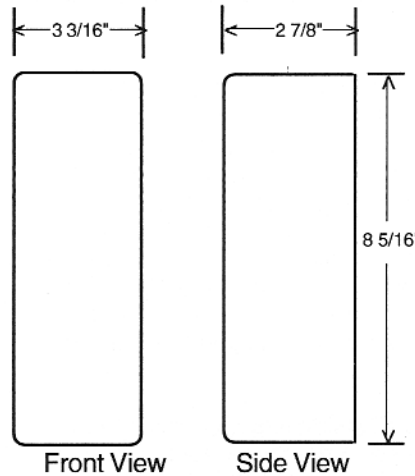
Outside key control and remote bypass capability.

Durability

The EA-500 Alarm should last the life of the building, where properly installed and used as intended.

Warning Signs

Red and white pressure-sensitive sign reading "Emergency Exit/Alarm Will Sound" supplied with each unit. Spanish, French and French Canadian signs also available.



Physical Specifications

Dimensions: 3 3/16" Wide x 2 7/8" Deep x 8 5/16" Long
Shipping weight: 2 lbs.

Accessories

Lock cylinders, door switches, outside key control and access control products are available from Detex. Call or write for more details.

Door Switches

Uses reliable magnetic switching for activation. Unit may be set off by any switch which opens its contacts when it senses door movement. For high security the Detex MS-2049 magnet switch (surface or mortise mount) may be used.

Cylinders

Unit accepts most 5-pin rim cylinders with flat tailpieces as the control cylinder. If a 6 or 7 pin rim cylinder is used, a spacer is required (Detex part # ECL-1595)

All cylinders on a multiple order are also keyed alike, unless clearly specified otherwise.

Packaging

Each unit is packed and shipped with sensor kit, all necessary installation instructions, mounting templates, mounting screws, one 9V alkaline battery, warning sign for door, and operating instructions.

Power

Standard 9V long-life alkaline battery.

What to Specify

1. Model Number (EA-500)
2. Quantity of each model
3. If cylinders on multiple order are not to be keyed alike, please state so clearly.
4. 1 ea. 5 Pin Rim Cylinder
***Cylinder not included
Must be ordered separately**
5. If a 6 or 7 Pin Rim Cylinder is used a spacer is required (Detex part # ECL-1595).

Detex Warranty

Comes with Detex's standard one year limited warranty. The EA-500 Series Exit Alarm is warranted to be free of defects in material and workmanship when properly installed, used and maintained according to instructions. We will, for a period of one year from the date of purchase, repair or replace any part which, upon our examination, proves to be defective under normal use. This does not apply to batteries or to damage from battery leakage. This warranty will be honored only upon presentation of proof that the product covered thereby was purchased directly from an authorized Detex Distributor. **WE SHALL NOT BE LIABLE FOR ANY DIRECT, INCIDENTAL OR CONSEQUENTIAL LOSS OR DAMAGE ARISING OUT OF THE FAILURE OF THIS DEVICE.**

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