

Detex Corporation is a world-class manufacturer and distributor of products that protect people, secure property, and assure the life safety and security objectives of our customers. We will create the highest customer value in our worldwide markets while obtaining the highest possible return for our other stockholders.

The leadership role Detex Corporation enjoys in the safety and security hardware industry began with the inventive genius of early watchlock pioneer Abraham A. Newman.

Newman revolutionized watchman security in 1902 when he introduced the first portable watchlock to receive unqualified approval by insurance-rating organizations. Overnight, the innovative "Newman" made all previous watchlocks obsolete. The "Newman" watchlock became one of the principle products offered by Detex when the company was founded in 1923. Since then, Detex security innovations have expanded from watchlocks to safety and security hardware, to innovations in electronic watchtour systems.

Detex remained principally a manufacturer and distributor of Watchman's Clock Systems until 1963, when it first introduced a new line of security hardware products and entered the builders hardware field. These products are designed primarily for use in the control of exits and entries in industrial, commercial, institutional, and educational buildings. As a result of this broadening of interests the word 'WATCHCLOCK' was removed from the company name in 1964, and DETEX CORPORATION became the official corporate designation.

Detex manufactures and markets a comprehensive line of security products respected worldwide for trustworthy operation. Our products include:

- Access control systems ranging from affordable card readers and keypad access units to programmable combination card/keypad units.
- Security hardware, including exit control locks, exit alarms, control switches, and battery eliminators.
- Watchtour products that encompass everything from virtually maintenance-free mechanical watchlocks to dependable, state-of-the-art, computer-based watchtour systems.

Reflecting our full commitment to manufacturing security devices of the highest quality, Detex stands behind its products with a one-year warranty and five-year warranty on the ECL-230D. We also support all our products with a highly trained, nationwide team of field-service representatives.

In addition to distributing our complete range of products throughout the United States, DETEX is actively involved in international markets through a network of distributors and representatives in 48 different countries.

In February 1991, Detex made a commitment to Total Quality Management. The Board of Directors and every employee in the company completed an educational and action program to ensure that each and every process within the company is quality and customer oriented. This culminated in the company achieving ISO9002 certification in 1998.

Today, we proudly acknowledge the contribution of enthusiastic and loyal personnel in the research, development, engineering, manufacturing, and service areas, as well as in sales and general management. It is significant that many employees have been with the company 18 years or more, thus forming a continuity of effort over the years which has elevated DETEX CORPORATION to a position of leadership in the security industry today.



Top Notch Distributors, Inc.

Serving North America

Pennsylvania
800-233-4210
Fax: 800-854-4146

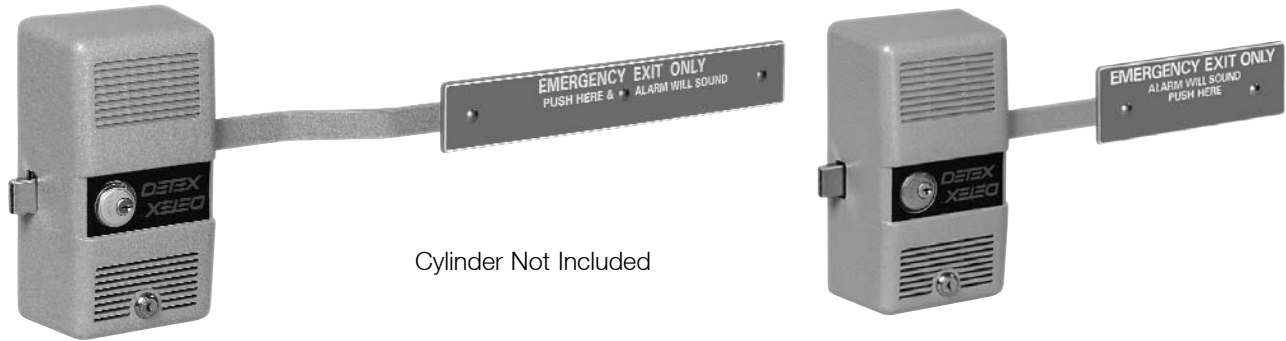
Missouri
800-211-4607
Fax: 800-211-4608

Nevada
800-722-4210
Fax: 800-248-3620

Texas
866-693-6903
Fax: 866-693-6904

www.topnotch.bz • sales@topnotch.bz

Exit Control Lock



Cylinder Not Included

DETEX ECL-230D

Functions and Operations:

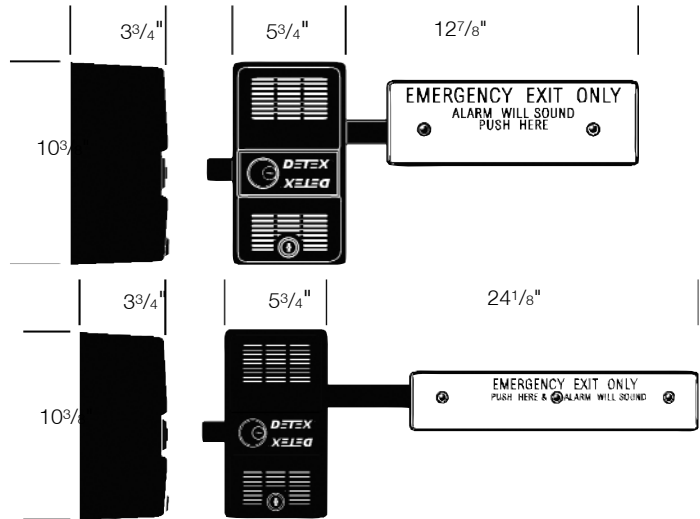
The Detex **ECL-230D** Exit Control Lock is a UL-listed emergency egress system designed to comply with California State Fire Marshall Title 19 Public Safety Provisions for Emergency Exit and Panic Hardware.

The **ECL-230D** is a single-point deadbolt-locking device that deters unauthorized entrance from the outside while allowing emergency egress from the inside. It provides inside and outside key control bypass capability. In the event of unauthorized use of an exit door, the **ECL-230D** will sound a high decibel alarm and can be reset only with a special control key. This commands attention even in high-noise environments.

Operation of the **ECL-230D** is straightforward. Authorized use of the control key in the lock cylinder, inside and outside, permits unlocking the door without sounding the alarm. Locking the deadbolt mechanism always arms the alarm system. When an unauthorized exit occurs, the alarm sounds. The unit is reset by relocking the door (Key control).

Features:

- Rugged, attack-resistant housing with corrosion-resistant alloy lock body — mountable on either left-side or right-side of the door.
- Proven **ECL-230** durability and reliability that includes single point, saw-resistant, deadbolt locking with inside/outside key control bypass capability.
- High-decibel, electro-magnetic horns that command attention even in high-noise environments.



Physical Specifications:

Die-cast aluminum alloy housing with Detex Gray Vein 3 finish.

Lock Case Dimensions:

10³/₈" (263.51 mm) high x 5³/₄" (146.05 mm) wide x 3³/₄" (95.25 mm) deep

Push Plate and Bar Dimensions:

Short Bar - **ECL-230D**: 3¹/₈" (79.37 mm) high x 12⁷/₈" (327.02 mm) wide.

Long Bar - **ECL-230-PH**: 2¹/₂" (63.5 mm) high x 24¹/₈" (612.75 mm) wide.



This Exit Device meets ADA Requirements.



U.L. Listed Exit Device.

Serving North America

Pennsylvania
800-233-4210
Fax: 800-854-4146

Missouri
800-211-4607
Fax: 800-211-4608

Nevada
800-722-4210
Fax: 800-248-3620

Texas
866-693-6903
Fax: 866-693-6904

Vertical Rod Assemblies



VRA-143B

For Use with **ECL-230** Only

A Vertical Rod Assembly (VRA) is used with Detex **ECL-230 Series** exit control hardware to provide exit control security on outswinging pairs of doors. In addition, it may be used on single door applications to provide two-point, top and bottom latching with **ECL-230 Series**.

The primary use for VRA is on pairs of doors in receiving rooms, docks, stock rooms, department stores, grocery stores, discount stores, warehouses and factories.

Benefits:

- Inside locking only.
- Surface applied — no mortise required.
- Automatically released when the **ECL-230** device is activated.
- Two-point locking for added security.
- Can be used for a single-door application to provide two-point latching.

Product Features:

- Heavy-duty, $\frac{3}{8}$ " diameter bolts.
- **VRA-143B** secures a pair of doors with two **ECL-230 Series** locks, allowing outside access on the active door.
- Non-handed.
- Sizes accommodate 80" and 120" doors. 84" standard size.

Operation:

- The top and bottom bolts of the VRA are extended by turning its inside "T" handle and throwing the deadbolt of the **ECL-230 SERIES** exit control hardware.
- The **ECL-230 SERIES** automatically releases both VRA bolts when activated.



Top Notch Distributors, Inc.

Serving North America

Pennsylvania
800-233-4210
Fax: 800-854-4146

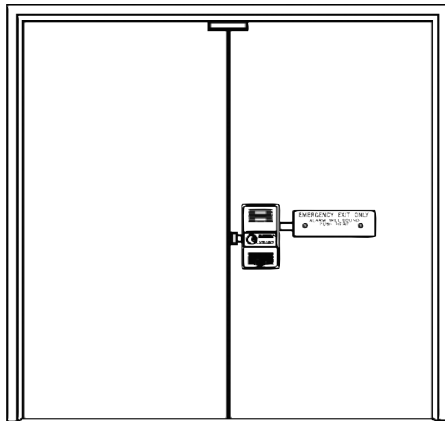
Missouri
800-211-4607
Fax: 800-211-4608

Nevada
800-722-4210
Fax: 800-248-3620

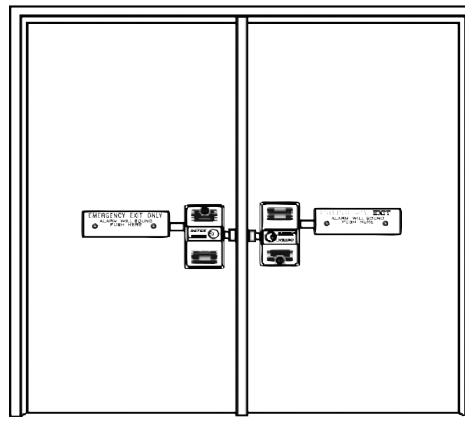
Texas
866-693-6903
Fax: 866-693-6904

www.topnotch.bz • sales@topnotch.bz

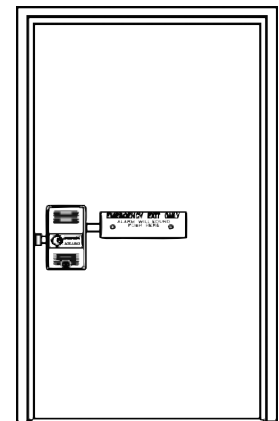
Exit Control Lock



DOUBLE DOORS



**DOUBLE DOORS
with REMOVABLE MULLION**



SINGLE DOORS

Installation:

- The **ECL-230D** can be mounted on the latch side of a right- or left-hand door.

Optional Accessories:

- Remote signal capability with Remote Lead Kit or Electric Keeper/Switch.
- Exit bar captions available in Italian, Chinese, Spanish, French Canadian, French, Dutch, or German.
- The Detex **ECL-230D** can be converted to AC operation with the optional **BE-961-1** or **BE-961-2** Battery Eliminator or **ECL-1580K** 6VDC Battery Replacement Unit.

Power Specifications:

Battery: Internal 9VDC lantern-type
RIP Relay: SPDT contact 1A @ 28 VDC

What to Specify:

1. Model **ECL-230D**
 2. Quantity
 3. One each five pin Rim Cylinder
- * Cylinder (RC-65) not included — must be ordered separately

Detex Warranty:

Comes with Detex's five-year limited warranty. The **ECL-230D** Exit Control Lock 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 five years 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 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.

Serving North America

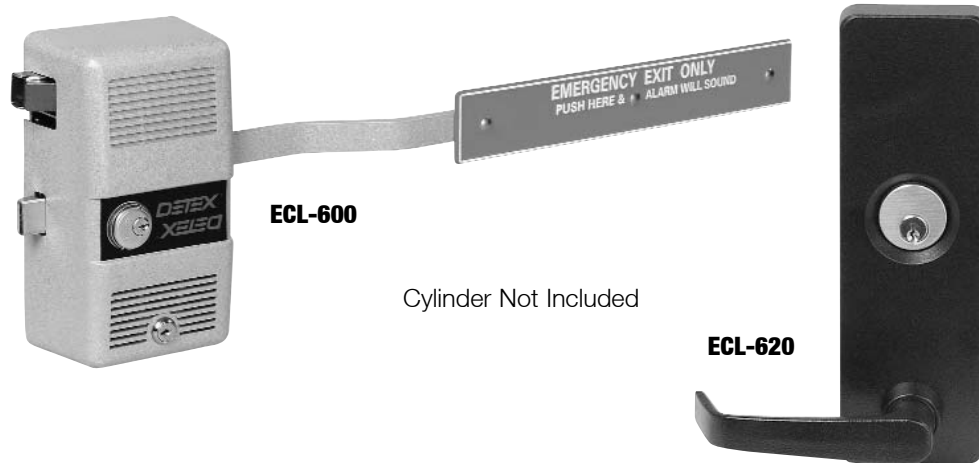
Pennsylvania
800-233-4210
Fax: 800-854-4146

Missouri
800-211-4607
Fax: 800-211-4608

Nevada
800-722-4210
Fax: 800-248-3620

Texas
866-693-6903
Fax: 866-693-6904

Exit Control Lock



DETEX ECL-600 Fire Exit

The Detex **ECL-600** Fire Exit Control Lock is a Warnock Hersey - listed fire exit emergency egress system designed to comply with California State Fire Marshall Title 19 Public Safety Provisions for Emergency Exit and Panic Hardware.

The **ECL-600** is a deadbolt -locking device that deters unauthorized entrance from the outside while allowing emergency egress from the inside. It provides inside and outside key control bypass capability. In the event of unauthorized use of an exit door, the **ECL-600** will sound a high decibel alarm and can be reset only with a special control key. This commands attention even in high-noise environments.

Operation of the **ECL-600** is straight forward. Authorized use of the control key in the lock cylinder, inside and outside, permits unlocking the door without sounding the alarm. Locking the deadbolt mechanism always arms the alarm system. When an unauthorized exit occurs, the alarm sounds. The unit is reset by relocking the door (Key control).

Features:

- Rugged, attack-resistant housing with corrosion-resistant alloy lock body — mountable on either left-side or right-side of the door.
- Proven **ECL600** durability and reliability that includes single point, saw-resistant, deadbolt locking with inside/outside key control bypass capability.
- High-decibel, electro-magnetic horns that command attention even in high-noise environments.

Physical Specifications:

Die-cast aluminum alloy housing with Detex Gray Vein 3 finish.

Lock Case Dimensions:

10³/₈" (263.51 mm) high x 5³/₄" (146.05 mm) wide x 3³/₄" (95.25 mm) deep

Push Plate and Bar Dimension:

2¹/₂" (63.5 mm) high x 24¹/₈" (612.75 mm) wide.



This Exit Device meets ADA Requirements.



Fire Exit Hardware Grade 2

Serving North America

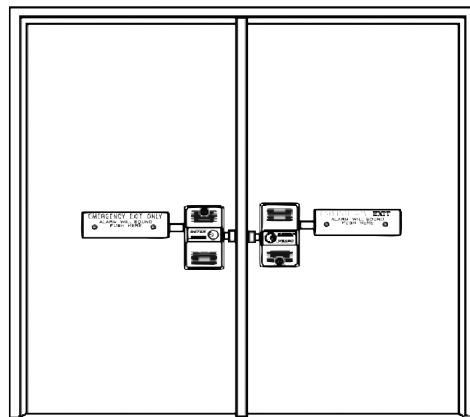
Pennsylvania
800-233-4210
Fax: 800-854-4146

Missouri
800-211-4607
Fax: 800-211-4608

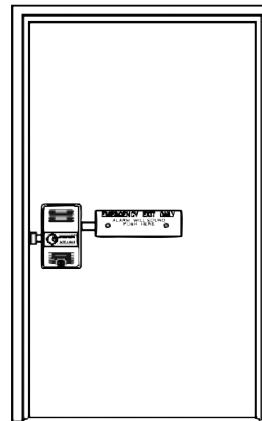
Nevada
800-722-4210
Fax: 800-248-3620

Texas
866-693-6903
Fax: 866-693-6904

Exit Control Lock



**DOUBLE DOORS
with REMOVABLE MULLION**



SINGLE DOORS

Installation:

- The **ECL-600** can be mounted on the latch side of a right- or left-hand door.

Optional Accessories:

- Can be converted to hardwire AC operation with the optional Battery Eliminator (**BE-961 Series**).
- Exit bar captions available in Italian, Chinese, Spanish, French Canadian, French, or German.
- **ECL-620** outside lever trim, rim cylinder not included

Power Specifications:

Battery: 9V Standard
Remote Signal: Dry Contact

What to Specify:

1. Model **ECL-600**
 2. Quantity
 3. One each five pin Rim Cylinder
- * Cylinder (RC-65) not included — must be ordered separately

Detex Warranty:

Comes with Detex's one-year limited warranty. The **ECL-600 Fire Exit Hardware** 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 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.

Serving North America

Pennsylvania
800-233-4210
Fax: 800-854-4146

Missouri
800-211-4607
Fax: 800-211-4608

Nevada
800-722-4210
Fax: 800-248-3620

Texas
866-693-6903
Fax: 866-693-6904

Exit Alarm Battery-Powered Surface Mount

DETEX

Detex EA-500

Functions and Operations:

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 by separate **MS-2049** door switches. The internal magnetic activation switch can be positioned to the top, 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 which temporarily disarms the unit may use the door without inconvenience.

Authorized passage is accomplished by (1) turning the control key 90° and (2) immediately turning it back. After this, the door can be used without setting off the alarm; time delay can be adjusted from 5 to 30 seconds to allow sufficient time to exit. This also functions as a "door-propped-open" alarm. 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.

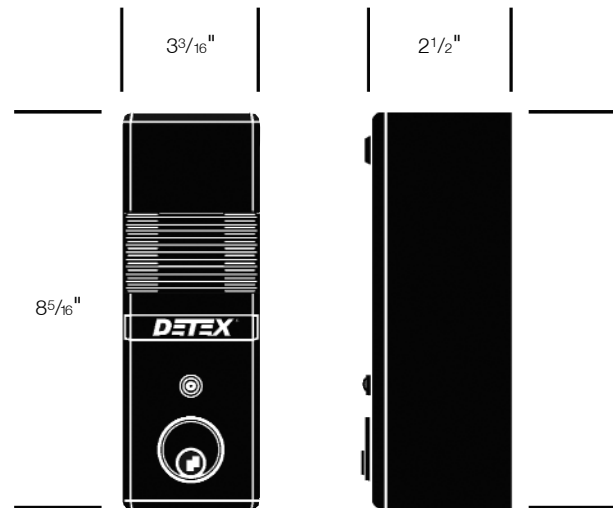
In-swinging door applications can be accomplished by using the **MS-2049SI** magnetic switch.

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 to 30 seconds) allows sufficient time to exit.



*Cylinder not included.



Physical Specifications:

Dimensions: 3³/₁₆" (80.96 mm) wide x 2¹/₂" (63.5 mm) deep x 8⁵/₁₆" (211.14 mm) long.



Top Notch Distributors, Inc.

Serving North America

Pennsylvania
800-233-4210
Fax: 800-854-4146

Missouri
800-211-4607
Fax: 800-211-4608

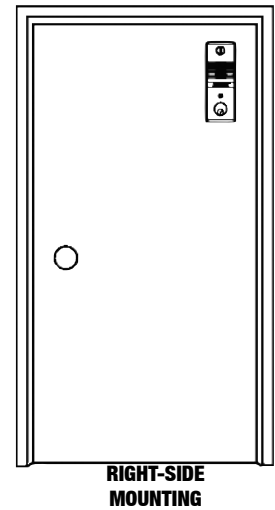
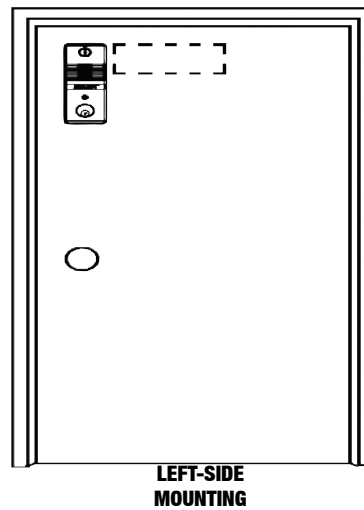
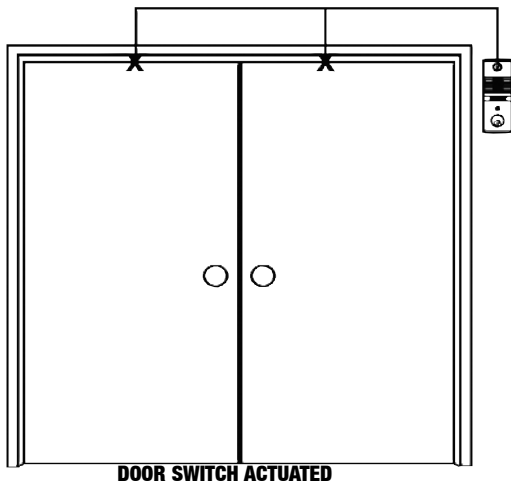
Nevada
800-722-4210
Fax: 800-248-3620

Texas
866-693-6903
Fax: 866-693-6904

www.topnotch.bz • sales@topnotch.bz

Exit Alarm Battery-Powered Surface Mount

DETEX



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 in-swinging or out-swinging, left- or right-hand doors. The in-swinging door application requires the **MS-2049SI**. Depending on type of door, alarms can be mounted on latch or hinge side of door. For double-door applications, one alarm can monitor both doors with **2MS-2049** switches wired in series.

Option:

Outside key control capability 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.

Accessories:

Lock cylinders, door switches, outside key control, and access control products are available from Detex.

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 **MS-2049** magnet switch (surface or mortise mount) may be used.

Cylinders:

Unit accepts most five-pin rim cylinders with flat tailpieces as the control cylinder. If a six or seven-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 9VDC 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. One each five-pin rim cylinder
* Cylinder (**RC-65**) not included — must be ordered separately.
5. If a six- or seven-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.**



Top Notch Distributors, Inc.

Serving North America

Pennsylvania
800-233-4210
Fax: 800-854-4146

Missouri
800-211-4607
Fax: 800-211-4608

Nevada
800-722-4210
Fax: 800-248-3620

Texas
866-693-6903
Fax: 866-693-6904

www.topnotch.bz • sales@topnotch.bz

Magnetic Switch for Mortise Installation

DETEX



No. MS-2049F

Functions and Operations:

These mortised switches are designed primarily to serve as sensing devices:

- when connected to a Detex Remote Indicating Panel (RIP): to detect the opening of a door or window
- to assure that a protected door is securely under surveillance
- to serve as a trigger for a wall-mounted Detex Exit Alarm
- to signal that a door has been inadvertently left open
- and to be used as a direct switch to set off many kinds of audible or visual alarms

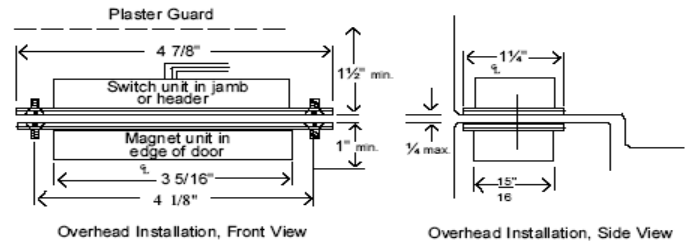
General Use:

This switch will give full life expectancy when used as a trigger for Detex Exit Alarms or with Detex Remote Indicating Panels.

For general use involving power transmission (or heavy inductive/capacitive loads), the switch should control a relay device rather than be connected directly to the load.

Features:

- Mortise installation — physically inaccessible while door is closed.
- Potted components assure protection against shock and moisture.
- Wide range of alarm and signal applications.
- Life expectancy of reed switches rated by manufacturer for over one million operations, under resistive load.
- Concealed wiring with color-coded, 12" long leads.
- Minimizes false signals caused by loosely closed doors.
- Make or break circuit applications.
Form "C" switch.
- For use on steel, aluminum or wood doors and frames.
- Installs in ANSI-sized cut-out in both door edge and jamb.



Physical Specifications:

Face plate: 4⁷/₈" (124 mm) long x 1¹/₄" (32 mm) wide x 1¹/₁₆" (1.6 mm) thick.

Switch body: 3⁵/₁₆" (85 mm) long x 1⁵/₁₆" (24 mm) wide x 3³/₄" (19 mm) deep.



Top Notch Distributors, Inc.

Serving North America

Pennsylvania
800-233-4210
Fax: 800-854-4146

Missouri
800-211-4607
Fax: 800-211-4608

Nevada
800-722-4210
Fax: 800-248-3620

Texas
866-693-6903
Fax: 866-693-6904

www.topnotch.bz • sales@topnotch.bz

Magnetic Switch for Mortise Installation



Applications:

In overhead mounting (the preferred method), the switch contacts are housed in the door frame, separate from the actuating magnet which is mortised into the top edge of the door. Latch-stile mounting is also acceptable.

Installation:

Due to its magnetic circuit design, this switch is safe against false signals caused by slight misalignment of switch-and-magnet installation. Unit will go into its surveillance mode when within 1/4" of full door closure and will switch mode when opening of door moves magnet less than 1".

Units install face to face on the same center line. Gap of up to 1/4" between faces acceptable. Misalignment of centerlines up to 1/8" in any direction acceptable. May be mounted in stiles as narrow as 1 3/8".

Shipped with set of four #8-32 flat-head mounting screws.

Installation instruction sheet INS-2049F/PM shipped with each set.

Electrical Specifications:

Not to be used in any system employing more than 24 volts.

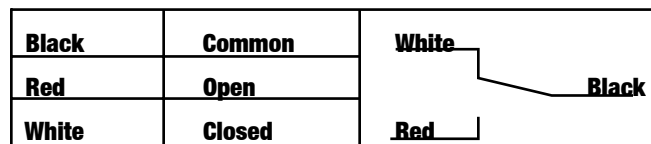
MAXIMUM CONTACT RATINGS: 24 Volts at .5 amp.

SWITCH: Single pole, double throw (SPDT).

Wiring:

Color-coded leads 12" long.

To be protected in conduit brought directly to switch body (threaded) or by running inside of frame.



Note: Shown with switch activated by magnet.

Materials:

Body: Zinc (die cast).

Face Plate: Anodized aluminum (brushed and clear).

What to Specify:

- Model No. **MS-2049F**
- Quantity

Detex Warranty:

Comes with Detex's one-year limited warranty. The Magnetic Switch 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.

© Copyright, Detex Corporation, 1993.

Serving North America

Pennsylvania
800-233-4210
Fax: 800-854-4146

Missouri
800-211-4607
Fax: 800-211-4608

Nevada
800-722-4210
Fax: 800-248-3620

Texas
866-693-6903
Fax: 866-693-6904

Magnetic Switch for Surface Installation

DETEx



No. MS-2049S

Functions and Operations:

These magnetic switches are designed primarily to serve as sensing devices:

- when connected to a Detex Remote Indicating Panel (RIP); to detect the opening of a door or window
- to assure that a protected door is securely under surveillance
- to serve as a trigger for a wall-mounted Detex Exit Alarm
- to signal that a door has been inadvertently left open
- and to be used as a direct switch to set off many kinds of audible or visual alarms

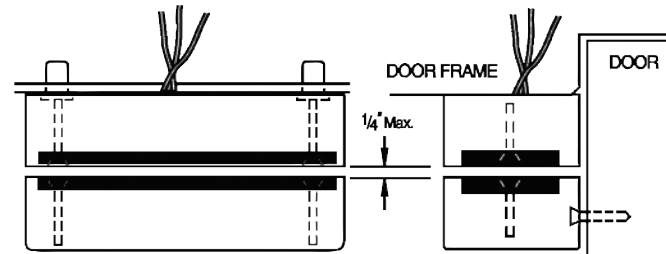
General Use:

This switch will give full life expectancy when used as a trigger for Detex Exit Alarms or with Detex Remote Indicating Panels.

For general use involving power switching in excess of rated values or with inductive or capacitive loads, the switch should control a relay device, appropriately matched to the control circuit and load power requirements.

Features:

- Tamper protection — mounting and cover screws physically inaccessible while door is closed.
- Potted components assure protection against shock and moisture.
- Wide range of alarm and signal applications.
- Life expectancy of reed switches rated by manufacturer for over one million operations, under resistive load.
- Concealed wiring with color-coded, 12" long leads.



- Minimizes false signals caused by loosely closed doors.
- Make or break circuit applications.
- For use on steel, aluminum or wood doors and frames.
- Durable housing of high-impact ABS thermoplastic, a U.L.-listed material used in the manufacture of telephones, auto bodies, etc.

Physical Specifications:

Switch Housing: $5\frac{3}{16}$ " (131.76 mm) long x $1\frac{17}{32}$ " (30.16 mm) wide x $\frac{7}{8}$ " (22.23 mm) deep.

Magnet Housing: $5\frac{3}{16}$ " (131.76 mm) long x $1\frac{17}{32}$ " (30.16 mm) wide x $1\frac{5}{32}$ " (29.37 mm) deep.



Top Notch Distributors, Inc.

Serving North America

Pennsylvania
800-233-4210
Fax: 800-854-4146

Missouri
800-211-4607
Fax: 800-211-4608

Nevada
800-722-4210
Fax: 800-248-3620

Texas
866-693-6903
Fax: 866-693-6904

www.topnotch.bz • sales@topnotch.bz

Magnetic Switch for Surface Installation



Applications:

In overhead mounting (the preferred method), the switch contacts are installed on the door frame, separate from the actuating magnet, which is mounted at the top edge of the door. Latch-stile mounting is also acceptable.

Installation:

- Due to its magnetic circuit design, this switch is safe against false signals caused by slight misalignment of switch-and-magnet installation. Unit will go into its surveillance mode when within 1/4" of full door closure and will switch mode when opening of door moves magnet less than 1".
- Units install face to face on the same centerline. Gap of up to 1/4" between faces acceptable. Misalignment of centerlines up to 1/8" in any direction acceptable.
- Shipped with set of four #10 one-inch flat-head Type-A tapping screws.
- Installation instruction sheet INS-2049S/PM shipped with each set.

Electrical Specifications:

Not to be used in any system employing more than 24 volts.

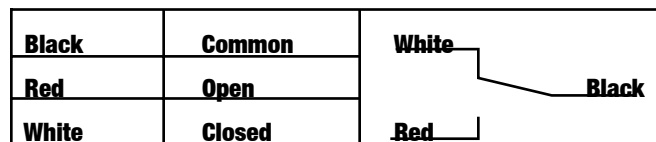
MAXIMUM CONTACT RATINGS: 24 Volts at .5 amp.

SWITCH: Single pole, double throw (SPDT).

Wiring:

Color-coded leads, 12" long.

To be protected in conduit brought directly to switch body (threaded) or by running inside of frame.



Note: Shown with switch activated by magnet.

Materials:

Housing: Grey Cyclac® plastic face plate: anodized aluminum (brushed and clear).

Cyclac® is a registered trademark of Borg-Warner Corp.

What to Specify:

- Model No. **MS-2049S**
- Quantity

Detex Warranty:

Comes with Detex's one-year limited warranty. The Magnetic Switch 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.

© Copyright, Detex Corporation, 1993.



Top Notch Distributors, Inc.

Serving North America

Pennsylvania
800-233-4210
Fax: 800-854-4146

Missouri
800-211-4607
Fax: 800-211-4608

Nevada
800-722-4210
Fax: 800-248-3620

Texas
866-693-6903
Fax: 866-693-6904

www.topnotch.bz • sales@topnotch.bz

Exit Alarms AC-Powered Surface or Flush Mount

DETEX

EA-2500 Series

Function and Operations:

The Detex **EA-2500 SERIES** Exit Alarm's slim-line design blends with architectural decor and is easy to install using ordinary tools. This surface or flush mount alarm is low in cost and self contained. It employs a 95-decibel directional piezo horn to warn of unauthorized use of a door.

The alarm triggers by reliable magnetic switching. Any movement of the door transfers or opens the separate switch contacts, setting off the alarm.

Authorized persons with a bypass key, which temporarily disarms the unit, may use the door without inconvenience. Authorized passage is accomplished by (1) turning the control key 90° and (2) immediately turning it back. After this, the door can be used without setting off the alarm; 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. In addition to its on-site alarm, the **EA-2500** has provisions for transmitting a signal to a remote indicating panel or other signaling device. In-swinging door applications can be accomplished by using the **MS-2049SI** magnetic switch.

Security Features:

- Internal Tamper Switch will alarm if unit is opened without first placing unit into bypass mode with key.
- Stand-by battery back-up (9-Volt alkaline battery) is standard with each unit — no extra cost. Unit automatically switches to battery back-up whenever there is a loss of AC power.
- Durable cast aluminum case and internal mounted piezo horns 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 reset bypass switch.
- State-of-the-art electronic closed loop circuit operation. Alarm will sound any time the wires to the external sensor are cut.
- Line input transient suppression protects circuitry against unexpected external voltage spikes. Filtered sensor input minimizes false alarms due to transients such as lighting and those caused by electrical appliances and door-strike inductive spikes.
- Piezo horn with directional characteristics, blasts 95 decibels of sound if door is used without authorization.
- Re-arming within a few seconds, after authorized use, is automatic and does not depend on the user remembering to do it.

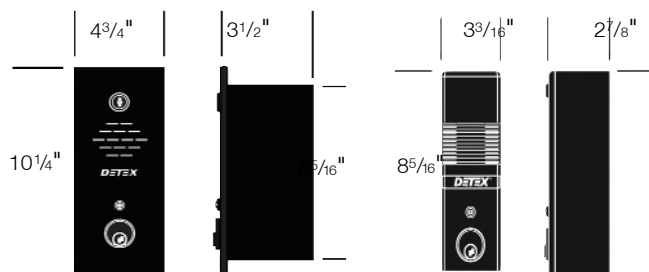


FLUSH-MOUNT ALARM



SURFACE-MOUNT ALARM

*Cylinder not included.



- Retrofit kit is available to mount flush unit to fit existing wall cutouts for old-style, flush-mounted **2500 SERIES** alarm.
- Adjustable time delay (5-30 seconds) allows sufficient time to exit.
- Alarm is triggered by reliable magnetic switching.

Physical Specifications:

Dimensions:

Surface: 3³/₁₆" (80.96 mm) wide x 2⁷/₈" (73.03 mm) deep x 8⁵/₁₆" (211.14 mm) long.

Flush: 4³/₄" (120.65 mm) wide x 3¹/₂" (88.90 mm) deep x 10¹/₄" (260.34 mm) long.



Top Notch Distributors, Inc.

Serving North America

Pennsylvania
800-233-4210
Fax: 800-854-4146

Missouri
800-211-4607
Fax: 800-211-4608

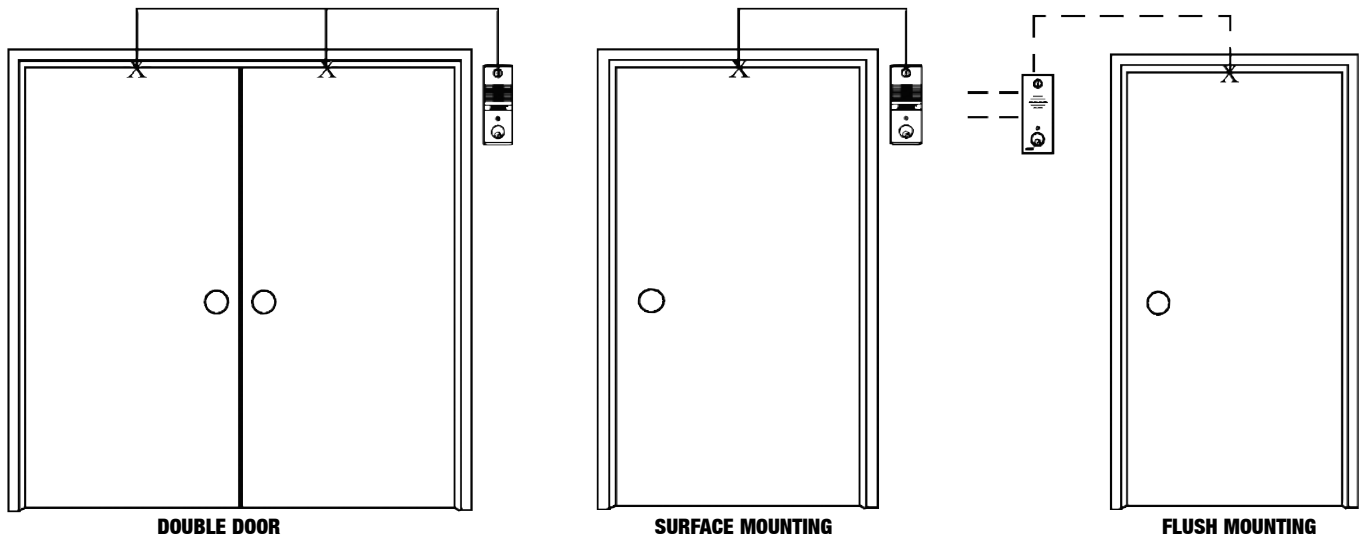
Nevada
800-722-4210
Fax: 800-248-3620

Texas
866-693-6903
Fax: 866-693-6904

www.topnotch.bz • sales@topnotch.bz

Exit Alarms AC-Powered Surface or Flush Mount

DETEX



Applications:

The **EA-2500 SERIES** Exit Alarm provides protection for a wide variety of doorways, particularly Emergency Exits and internal security doors. All **EA-2500** alarms feature a non-handed design. On double doors, one switch is mounted on each leaf.

The **EA-2500 SERIES** Exit Alarm provides the additional feature of utilizing the alarm as a call bell and also will allow the alarm to be shunted for an infinite time period for situations that require the door to remain open longer than the standard 5 to 30 seconds. The unit has remote bypass and remote signal capabilities, as well as 90° detent and alarm by-pass/auto rearm features.

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 **MS-2049** magnetic switch, (surface or mortise mount), may be used.

Cylinders:

Unit accepts most five-pin rim cylinders with flat tailpieces as the control cylinder. If a six or seven pin rim cylinder is used, a spacer is required.

Packaging:

Each unit is packed and shipped with all necessary installation instructions, mounting templates, mounting screws, one nine-volt lead acid back-up battery, warning sign for door, and operating instructions. (Transformer not included.)

Power:

12 volt AC at 20VA draws 3.5 watts power. Transformer not included. Line input transient suppression protects circuitry against unexpected external voltage spikes — standard with each unit at no extra cost.

Warning Signs:

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

Accessories:

Lock cylinders, door switches, remote indicating panels, wall cut-out retrofit kits, outside key control, and access control products are available from Detex.

What to Specify:

1. Model number.
2. Surface or flush mount.
3. Quantity of each model.
4. If cylinders on multiple order are not to be keyed alike, please state so clearly.
5. **MS-2049** magnetic switch — specify flush or surface
6. Transformer (**PP-5152-3**).
7. One ea. five-pin rim cylinder.
* Cylinder (**RC-65**) not included — must be ordered separately.

Detex Warranty:

Comes with Detex’s one-year limited warranty. The **EA-2500 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.



Serving North America

Pennsylvania
800-233-4210
Fax: 800-854-4146

Missouri
800-211-4607
Fax: 800-211-4608

Nevada
800-722-4210
Fax: 800-248-3620

Texas
866-693-6903
Fax: 866-693-6904

Battery-Powered Relatching Exit Control Hardware

DETEx



 This Exit Device meets ADA Requirements.

 U.L. Listed Exit Device.

V40xEB

Function and Operation:

Battery-powered **V40xEB** relatching bolt automatically relocks the device when the door closes. Compact, aesthetically pleasing design and the reliability and instantaneous response of microprocessor-based control are important benefits of this new Detex exit control hardware.

Battery-powered models are designed to protect doors from unauthorized entry while allowing emergency exit from the inside. Unauthorized use sounds a high-decibel directional alarm that is audible, even in high noise-level environments. The LED turns red, allowing for a visual indication of a violation as well. A special control key resets the alarm.

Physical Specifications:

Body: 2³/₈" (60 mm) wide x 8¹/₂" (216 mm) high.

Bar lengths: 36" — fits 34" to 36" doors. 48" — fits 40" to 48" doors. Optional mounting configurations available for other door widths. Consult factory.

Features:

- Stainless steel self-latching bolt.
- Angled end cap to deflect damage.
- Tamper-resistant housing protects electronics, battery and internal hardware, preventing manipulation.
- Bright signage deters theft and reduces false alarms.
- Cylinder dogging standard. (Can also be ordered less dogging.)
- State-of-the-art electronics for reliable security and instantaneous alarm.
- Tamper-resistant security switching electronically monitors latch bolt.

- Approximately 100-decibel alarm.
- Adjustable re-arming feature for variable time re-arm.
- Visual and audible arming indicators.
- **V40xEB** powered by standard, nine-volt battery.
- Low-battery alert.
- Delayed arming feature for arming after door closes.
- Red flashing LED alert when not armed.

Installation:

Patents-pending design for perfect alignment with door and frame, without paper template. Fast, easy, trouble-free installation. Secure installation prevents costly mistakes and enhances security.

Finishes:

Base plates available in brushed aluminum and black (BK) anodized finishes. Push pad in solid black (BLK) or red with white lettering. (Also available in green with white lettering in several languages.)

Power Specifications:

Powered by a: 9V battery.

Detex Warranty:

Detex Value Series Panic Hardware, when properly installed, used and maintained, is warranted to be free of defects in material and workmanship. We will, for a period of three years from the date of purchase, repair or replace any part which, upon our examination, proves to be defective, under normal use. Electrical component, when properly installed, used and maintained, are warranted to be free of defects in material and workmanship for a period of one year. 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 PANIC HARDWARE TO OPERATE.



Top Notch Distributors, Inc.

Serving North America

Pennsylvania
800-233-4210
Fax: 800-854-4146

Missouri
800-211-4607
Fax: 800-211-4608

Nevada
800-722-4210
Fax: 800-248-3620

Texas
866-693-6903
Fax: 866-693-6904

www.topnotch.bz • sales@topnotch.bz

Relatching Fire & Panic Hardware

MODEL NO.	DESCRIPTION	DOOR SIZE
V40 x EB (See Notes 1, 4, 6, 8)	Battery-Powered Exit Alarm Panic Hardware (9VDC)	For 36" door For 48" door
V40 x EB x W (See Notes 1, 4, 6, 8)	Battery-Powered Weatherized Exit Alarm Panic Hardware	For 36" door
V40 x EH x R (See Notes 1, 3, 5, 6, 8)	Hardwired Exit Alarm Panic Hardware (12VAC) with Remote Signaling Function	For 36" door

PACKAGE INCLUDES:

1. Red push pad with white lettering.
2. Black push pad without lettering.
3. 12VAC transformer and nine volt backup battery.
4. 9V battery.
5. Flex conduit surface loop.
6. Cylinder dogging (CD).
7. Hex dogging (HD).
8. Mortise cylinder required, but not included. For Detex mortise cylinder see "Cylinders & Accessories". All devices include standard 99 surface strike. Substitute 98, semi-mortise strike, at no extra charge. Warning signs and push pad signage available in various languages. Contact Detex for details. See catalog for complete list of hardware included with each panic device.

Delayed Egress Magnetic Locking Fire & Panic Hardware



V40xEM

Electronic Delayed Egress Panic Hardware includes 1500 lb. Magnetic Lock, Transformer, flex conduit and Code-Compliant Door Sign (**ECL-395** English-15 Second-Red). Will fit a 36" or 48" door.

Product Features:

- Stainless steel self-latching bolt.
- Angled end cap to deflect damage.
- Delayed arming feature.
- Field selectable manual rearming of auto-rearming.
- Latch bolt monitoring.
- Approximately 100-dB alarm.
- Powered by standard 24-volt AC power (transformer included) with nine-volt battery backup.

- Low battery alert.
- Remote bypass capability.
- Remote signal (relay version).
- Available in several configurations, with different strikes, outside trims, security options, signage and finishes.
- Optional keystone: key removal only when armed.

Operation:

- Alarm is armed or disarmed by key. A mortise cylinder with standard cam is required (sold separately).
- Unauthorized users can exit by pushing the exit bar. A 100dB alarm will sound to alert others.

Serving North America

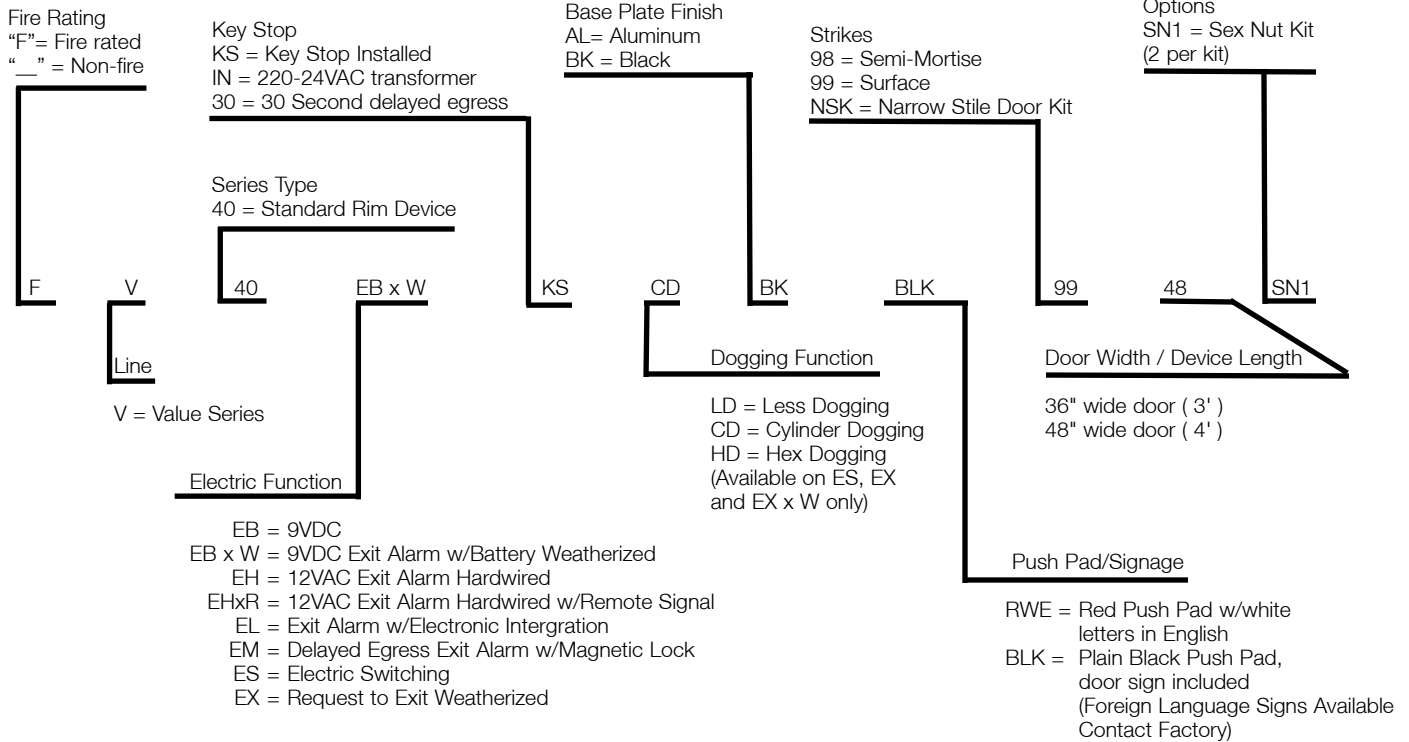
Pennsylvania
800-233-4210
Fax: 800-854-4146

Missouri
800-211-4607
Fax: 800-211-4608

Nevada
800-722-4210
Fax: 800-248-3620

Texas
866-693-6903
Fax: 866-693-6904

How to Order Value Series



- "BK" Suffix for black finish on the base plate extrusion.
- "BLK" Black (711) push pad includes door sign warning (designate BLK push pad finish).
- "F" Three-hour fire-rated device (must be less dogging & designate prefix F to order fire rated).
- "IN" 220-24 VAC Transformer (used with the **V40xEM** only).
- "KS" Suffix for key stop feature installed at factory.
- "30" 30-second delayed egress (for **V40xEM** only).

Serving North America

Pennsylvania
 800-233-4210
 Fax: 800-854-4146

Missouri
 800-211-4607
 Fax: 800-211-4608

Nevada
 800-722-4210
 Fax: 800-248-3620

Texas
 866-693-6903
 Fax: 866-693-6904

Mullion

For ECL-230 SERIES, ECL-600 and VALUE SERIES.

F90KR Fire-Rated Keyed Removable Mullion. Available in 7'. Also can special order 8'.

A durable, low-cost keyed removable mullion designed for use on standard and fire-rated pairs of doors in schools, universities, hospitals, factories, warehouses, or anywhere occasional use of full width of double door opening is required.

Easy installation — no drilling of the tube. Provides a solid mounting for panic device strikes. Removes easily with 1/4 turn of key — no screws to remove. Snaps back into place without use of key. Removes in seconds, reinstalls in seconds.

Product Features:

- 2" x 3", 11 gauge steel for strength and durability.
- Operates by one standard rim cylinder (not provided).
- Relatching.
- Listed for three-hour fire-rated pairs of doors up to 8'0" x 8'0" and non-fire rated pairs of doors up to 8'0" x 10'0".
- WHI labeled for use with other manufacturer's fire exit hardware.

Operation:

- Once doors are open, the mullion is released by key. A standard rim cylinder is required (sold separately).
- Returning the mullion to its installed position does not require a key.



Exit Alarm Accessories:

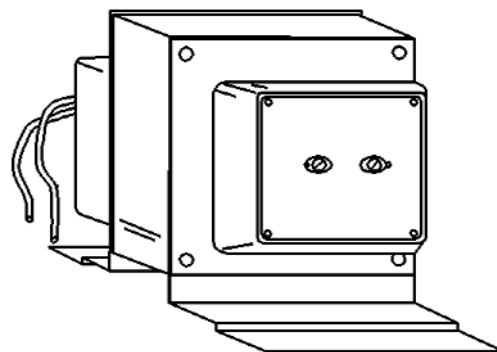
EA-523 Outside Key Control Kit

(For **EA-500** Only)

Power Sources:

PP-5152-2 Transformer, 24 VAC 40 VA

PP-5152-3 Transformer, 12 VAC 25 VA



Serving North America

Pennsylvania
800-233-4210
Fax: 800-854-4146

Missouri
800-211-4607
Fax: 800-211-4608

Nevada
800-722-4210
Fax: 800-248-3620

Texas
866-693-6903
Fax: 866-693-6904