Life Safety
and
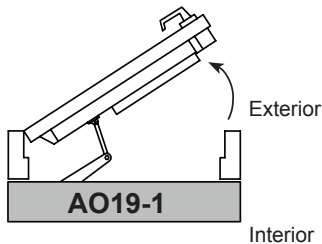# Security Door Hardware

DETEX CORPORATION
Automatic Operator
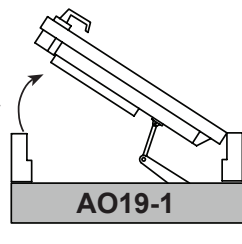**Select from list below and fax to 800-653-3839**
NOTE: Operator always mounted inside of building
Viewed from mounting side of door

Single Door	39.5"	Right Hand	Push	AL
Qty _____	45.5"	Left Hand	Push 11" + reveal	BZ
	52"		Pull	

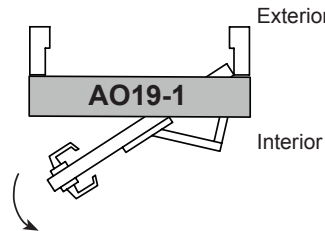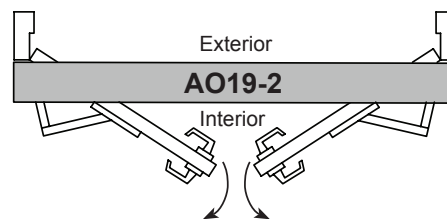## LH Push   ## RH Push   ## LH Pull   ## RH Pull

Exterior

AO19-1   AO19-1   AO19-1   AO19-1

Exterior   Exterior   Interior
Interior   Interior
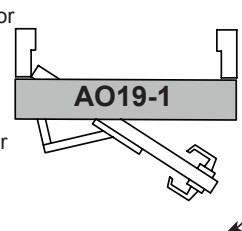
Double Door (Twin)	75.5"	Push	AL	Simultaneous
Qty _____	92"	Push 11" + reveal	BZ	Independent
	100"	Pull		

Double Door (Twin) Push   ## Double Door (Twin) Pull

Exterior   Exterior

AO19-2   AO19-2

Interior   Interior
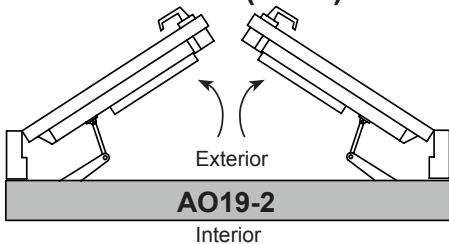
Double Egress (Dual) Door	75.5"	Right Hand	Push	AL	Simultaneous
Qty _____	92"	Left Hand	Pull	BZ	Independent
	100"				

Dual Egress Door RH   ## Dual Egress Door LH

Exterior   Exterior

AO19-3   AO19-3

Interior   Interior
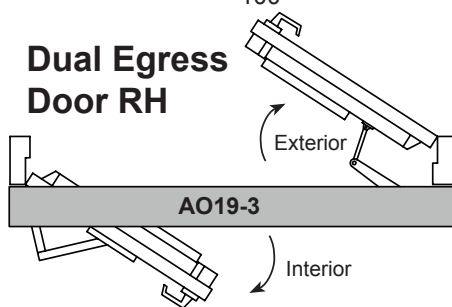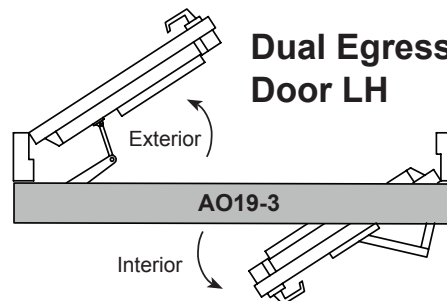
Distributor: _____   Date: _____

Ph # _____ Email: _____   PO # _____

Comments: _____

Model # _____ x (length) _____ x (push/pull/dual) _____ x (AL/BZ) _____

DETEX®
Where Trust is Built™
Life Safety and Security Door Hardware

AO19 SERIES®

AO19-1

Low Energy Automatic Door Operators for Single Doors

The AO19 Series Automatic Operator for single doors is an easy to install, heavy duty product for high use and high abuse low energy applications. The AO19 Series meets requirements for ANSI/BHMA A156.19 (American National Standard for Power Assist and Low Energy Power Operated Doors) and provides standard features that meet the requirements of the American Disabilities Act.

AO19-1 RH Push

Shown with 21 Series
Electric Latch
Retraction (ER)

Benefits

- Economical operator provides safe and easy access in medium to high-traffic and security areas

- Provides ADA compliant access to handicap applications

- Quiet operation

- Hanger plate allows quick installation

- Self-contained unit in an extruded case allows easy access for maintenance and adjustments

- Works with existing access control, locking and computer signal devices

- Reduced service calls due to heavy-duty construction

- 3-way low-voltage ON/OFF/HOLD switch for ease of service and setup

- 115VAC power plug-in mounted in header

- Easy manual use

Features

- Available in single, pair (twin) for independent, simultaneous and dual egress openings

- Power close applies a reverse power to aid in latch check position. Must be selected to activate.

- Single voltage source required to operate

- Adjustable delayed activation for sequenced vestibule doors

- Reverse on obstruction stalls a door during closing cycle and re-activates to open if an obstruction is sensed anytime before the latch position. Must be selected to activate.

- Adjustable closing speed

- Push & Go (Use for Handicap) activates when door is manually pushed to open. Must be selected to activate.

- Electric lock relay provides an adjustable delay before door opens to unlock an electric strike, maglock or other types of electric locks - prevents binding

Mechanical Options

- LH Push - Left Hand Push

- RH Push - Right Hand Push

- LH Pull - Left Hand Pull

- RH Pull - Right Hand Pull

- 39.5" - Fits above most 36" doors

- 45.5" - Fits above most 42" doors

- 52" - Fits above most 48" doors

DETEX®

Where Trust is Built ™

Life Safety and Security Door Hardware

Accessories

- 104792 - Wireless Button Package (includes 2 push plates, 2 mounting boxes and 1 receiver)

  Call for available activation options

- PB-2048-3 - Mushroom switch, hard-wired

- DS-3681-630 - Electric Strike, cylindrical

Technical Information

Power Requirements -
- 115VAC 60 HZ 3 amps

Motor
- 115VDC rectified
- 1/8 hp
- 60:1 gearbox

Module -
- Activation input terminals
- Form C lock switch terminals
- Safety lock-out built in
- 17 additional features standard on board

Enclosure -
- 7" h x 4 1/2" d
- Approximately 50 lbs
- Aluminum extrusion

- Push reveal depth up to 11" with standard arm. Extended arm available.
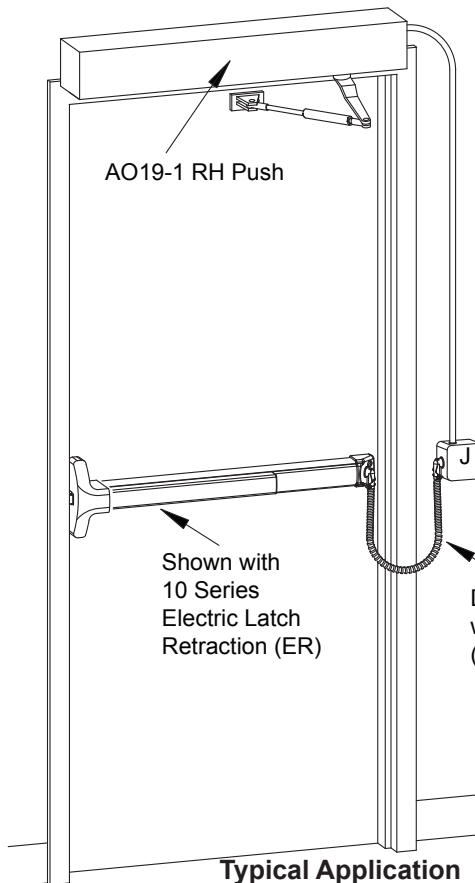
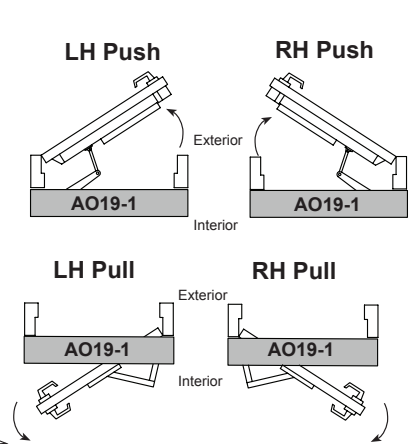- Pull reveal depth up to 5"

Finishes

- AL - 204-Ri Clear: Arch. Class II anodized coating, AA-M12C22A31

- BZ - 313-Ri Dark Bronze: Arch. Class II Anodized coating, AA-M12C22A32

Listings and Approvals

Cerified to ANSI/UL 325
Tested - ANSI 156.19

Meets ADA requirements

Certified to CAN/CSA 247-92

3-Hour Fire Listed

Detex Limited Warranty

3 Year Mechanical / 1 year Electrical Limited Manufacturers Warranty

Riser Diagram

AO19-1 RH Push

Shown with 10 Series Electric Latch Retraction (ER)

J-box (sold separatel

Detex flexible conduit with connections (optional)

Typical Application

Handing Diagram

LH Push   **RH Push**

Exterior

AO19-1   AO19-1

Interior

LH Pull   **RH Pull**

Exterior

AO19-1   AO19-1

Interior

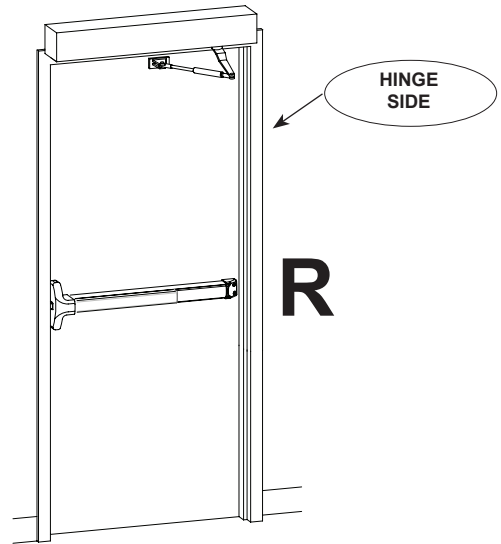*Where Trust is Built* ™

DETEX ®

Life Safety and Security Door Hardware

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FAX (830) 620-6711
(800) 653-3839
http://www.detex.com
USA Sales:
marketing@detex.com
International Sales:
export@detex.com

AO19-1 (Single Door)

HINGE SIDE

L

R

HINGE SIDE

LS Shown

RS Shown

LS

AO19-1
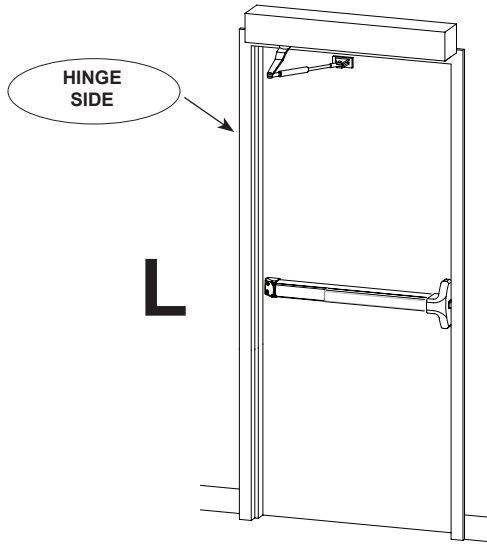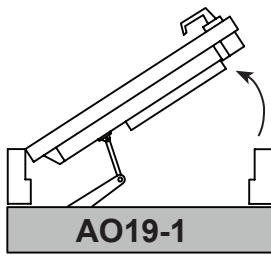
LEFT HAND PUSH OPERATOR
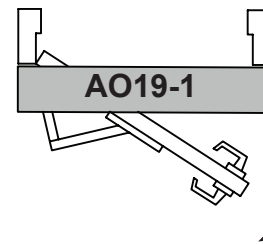
RS

AO19-1
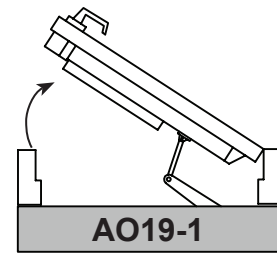
RIGHT HAND PUSH OPERATOR

LP

AO19-1
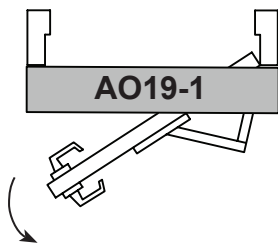
LEFT HAND PULL OPERATOR

RP

AO19-1

RIGHT HAND PULL OPERATOR

AO19 SERIES®

AO19-2
Low Energy Automatic Door Operators for Double Doors

The AO19 Series Automatic Operator for double doors is an easy to install, heavy duty product for high use and high abuse low energy applications. The AO19 Series meets requirements for ANSI/BHMA A156.19 (American National Standard for Power Assist and Low Energy Power Operated Doors) and provides standard features that meet the requirements of the American Disabilities Act.

← AO19-2 Push

Shown with 21 Series
Electric Latch
Retraction (ER)

Benefits

- Economical operator provides safe and easy access in medium to high-traffic and security areas

- Provides ADA compliant access to handicap applications

- Quiet operation

- Hanger plate allows quick installation

- Self-contained unit in an extruded case allows easy access for maintenance and adjustments

- Works with existing access control, locking and computer signal devices

- Reduced service calls due to heavy-duty construction

- 3-way low-voltage ON/OFF/HOLD switch for ease of service and setup

- 115VAC power plug-in mounted in header

- Easy manual use

Features

- Available in single, pair (twin) for independent, simultaneous and dual egress openings

- Reverse on obstruction stalls a door during closing cycle and re-activates to open if an obstruction is sensed anytime before the latch position. Must be selected to activate.

- Adjustable delayed activation for sequenced vestibule doors

- Single voltage source required to operate

- Electric lock relay provides an adjustable delay before door opens to unlock an electric strike, maglock or other types of electric locks - prevents binding

- Push & Go (Use for Handicap) activates when door is manually pushed to open. Must be selected to activate.

- Power close applies a reverse power to aid in latch check position. Must be selected to activate.

- Adjustable closing speed

Mechanical Options

- Push

- Pull

- 75.5" - Fits above most pairs of 36" doors

- 92" - Fits above most 44" pairs of doors

- 100" - Fits above most 48" pairs of doors

DETEX®
Where Trust is Built™
Life Safety and Security Door Hardware

Accessories

- 104792 - Wireless Button Package (includes 2 push plates, 2 mounting boxes, and 1 receiver)

  Call for available activation options

- PB-2048-3 - Mushroom switch, hard-wired

- DS-3681-630 - Electric Strike, cylindrical

Technical Information

Power Requirements -
- 115VAC 60 HZ 3 amps

Module -
- Activation input terminals
- Form C lock relay terminals
- Safety lock-out built in
- 17 additional features standard on board

Motor -
- 115VDC rectified
- 1/8 hp
- 60:1 gearbox

Enclosure -
- 7" h x 4 1/2" d
- Approximately 50 lbs
- Aluminum extrusion

- Push reveal depth up to 11" with standard arm. Extended arm available.
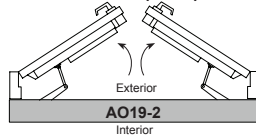
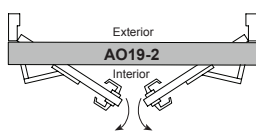- Pull reveal depth up to 5".

Finishes

- AL - 204-Ri Clear: Arch. Class II anodized coating, AA-M12C22A31

- BZ - 313-Ri Dark Bronze: Arch. Class II Anodized coating, AA-M12C22A32

Handing Diagram

Double Door (Twin) Push

Exterior

AO19-2

Interior

Double Door (Twin) Pull

Exterior

AO19-2

Interior

Listings and Approvals

Cerified to ANSI/UL 325
Tested - ANSI 156.19

Meets ADA requirements

Certified to CAN/CSA 247-92

3-Hour Fire Listed

Riser Diagram

AO19-2 Push

J-box (sold separately)

Shown with 21 Series Electric Latch Retraction (ER)

Detex flexible conduit with connections (optional)

Typical Application

Detex Limited Warranty

3 Year Mechanical / 1 year Electrical Limited Manufacturers Warranty

Where Trust is Built ™

DETEX®

Life Safety and Security Door Hardware

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New Braunfels, Texas 78130-3045 USA
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     (800) 729-3839
FAX (830) 620-6711
     (800) 653-3839
http://www.detex.com
USA Sales:
marketing@detex.com
International Sales:
export@detex.com

February 28, 2013

AO19-2 (Pair of Doors)

P

AO19-2 Push
Shown

J-box
(sold separately)

Detex flexible conduit
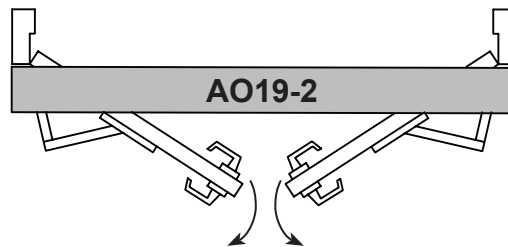with connections
(optional)

PS

AO19-2

Twin Push

PP

AO19-2

Twin Pull

AO19 SERIES®

AO19-3

Low Energy Automatic Door Operators for Double Egress Doors

The AO19 Series Automatic Operator for double egress doors is an easy to install, heavy duty product for high use and high abuse low energy applications. The AO19 Series meets requirements for ANSI/BHMA A156.19 (American National Standard for Power Assist and Low Energy Power Operated Doors) and provides standard features that meet the requirements of the American Disabilities Act.

AO19-3 Dual Egress

Shown with 21 Series
Electric Latch
Retraction (ER)

Benefits

- Economical operator provides safe and easy access in medium to high-traffic and security areas

- Provides ADA compliant access to handicap applications

- Quiet operation

- Hanger plate allows quick installation

- Self-contained unit in an extruded case allows easy access for maintenance and adjustments

- Works with existing access control, locking and computer signal devices

- Reduced service calls due to heavy-duty construction

- 3-way low-voltage ON/OFF/HOLD switch for ease of service and setup

- 115VAC power plug-in mounted in header

- Easy manual use

Features

- Available in single, pair (twin) for independent, simultaneous and dual egress openings

- Reverse on obstruction stalls a door during closing cycle and re-activates to open if an obstruction is sensed anytime before the latch position. Must be selected to activate.

- Adjustable delayed activation for sequenced vestibule doors

- Single voltage source required to operate

- Electric lock relay provides an adjustable delay before door opens to unlock an electric strike, maglock or other types of electric locks

- Push & Go (Use for Handicap) activates when door is manually pushed to open. Must be selected to activate.

- Power close applies a reverse power to aid in latch check position. Must be selected to activate.

- Adjustable closing speed

Mechanical Options

- RH Typical

- LH

- 75.5" - Fits above most pairs of 36" doors

- 92" - Fits above most 44" pairs of doors

- 100" - Fits above most 48" pairs of doors

Accessories

- 104792 - Wireless Button Package (includes 2 push plates, box and receiver)

  Call for available activation options

- PB-2048-3 - Mushroom switch, hard-wired

- DS-3681-630 - Electric Strike, cylindrical

- PT5 - Power Transfer

- EWH8-626 - Electric Hinge

Technical Information

Power Requirements -
- 115VAC 60 HZ 3 amps

Module -
- Activation input terminals
- Form C lock switch terminals
- Safety lock-out built in
- 17 additional features standard on board

Motor
- 115VDC rectified
- 1/8 hp
- 60:1 gearbox
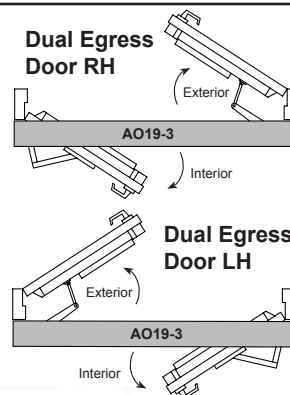
- Reveal depth up to 5"

Enclosure -
- 7" h x 4 1/2" d
- Approximately 50 lbs
- Aluminum extrusion

Finishes

- AL - 204-Ri Clear: Arch. Class II anodized coating, AA-M12C22A31

- BZ - 313-Ri Dark Bronze: Arch. Class II Anodized coating, AA-M12C22A32

Handing Diagram

Dual Egress Door RH

Exterior

AO19-3

Interior

Dual Egress Door LH

Exterior

AO19-3

Interior

Listings and Approvals

Cerified to ANSI/UL 325
Tested - ANSI 156.19

Meets ADA requirements

Certified to CAN/CSA 247-92

3-Hour Fire Listed

Riser Diagram

RH Dual Egress

Shown with 21 Series Electric Latch Retraction (ER)

J-box (sold separately)

Detex flexible conduit with connections (optional)

Typical Application

Detex Limited Warranty

3 Year Mechanical / 1 year Electrical Limited Manufacturers Warranty

Where Trust is Built™

DETEX®

Life Safety and Security Door Hardware

February 28, 2013

AO19-3 (Double Egress Doors)

RHDE

HINGES VISIBLE

AO19-3 RH Push (Shown)

J-box

Shown with 21 Series Electric Latch Retraction (ER)

Detex flexible conduit with connections (optional)

AO19-3

Right Hand Dual Egress Operator

LHDE

AO19-3 RH Push

HINGES VISIBLE

J-box

Detex flexible conduit with connections (optional)

Shown with 21 Series Electric Latch Retraction (ER)

AO19-3

Left Hand Dual Egress Operator

CLEARANCE
Overhead View

**PULL SIDE
or DOUBLE EGRESS**

PUSH SIDE

9"

WALL

8"

WALL

1 1/4"

7"

4 1/2"
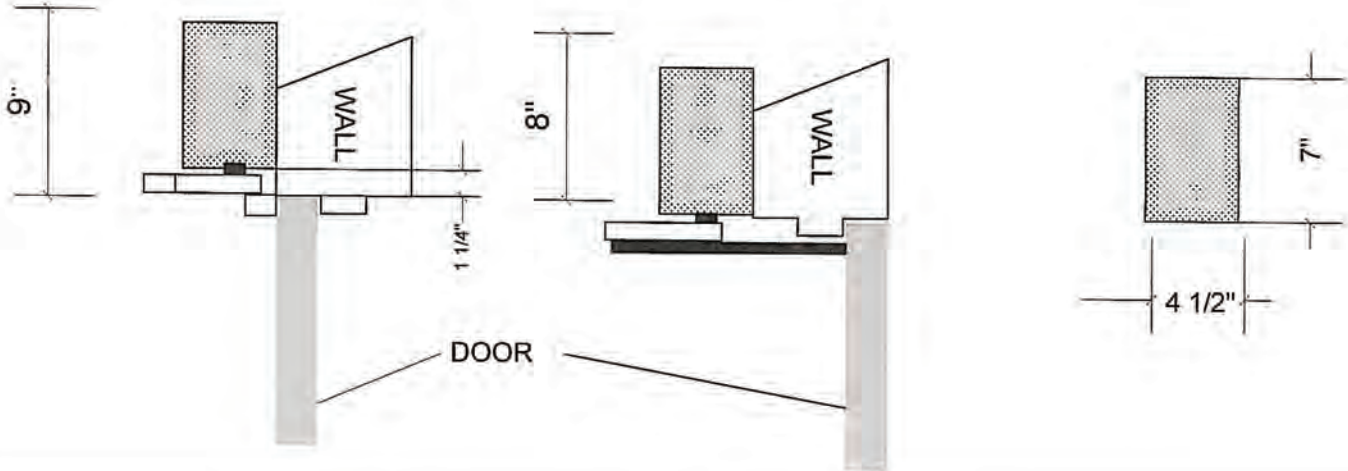
DOOR

For Fire Doors Only

*Fire Alarm Input
Contacts Open on Alarm*

120 VAC
1 Phase 15 Amp

Notes
1 Verify best entry point for 120AC.

Duplex outlet part of operator - location varies

3'-3 1/2"

4 1/2"
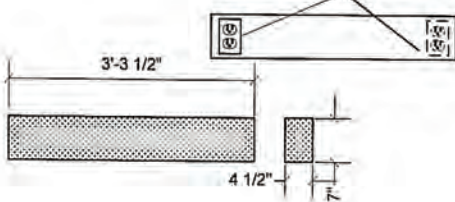
AO19
Operator

1" Clearance
Required

Filler &/or
Reinforcing
to fill void

FRAME
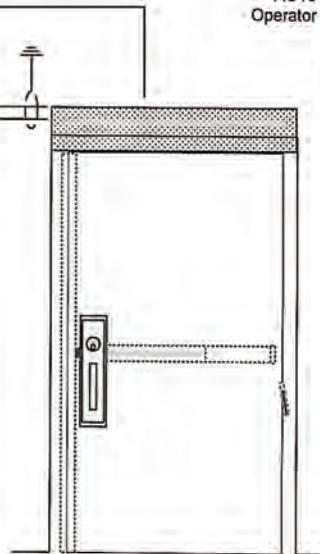
Notes
1 When the operator mounting is on the pull side and an adjacent wall is within 4" (101.6 mm) of the door frame, specify a parallel arm.
2. When installed on fire rated openings operator must be connected to fire alarm, preventing operator from functioning on fire alarm.
3 Maximum swing, wall permitting, 120 degree. Push side, maximum reveal 11 inches.
4. Maximum door weight - 200 pounds

11" MAX
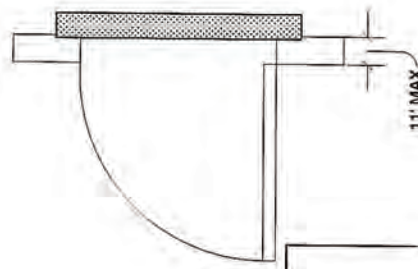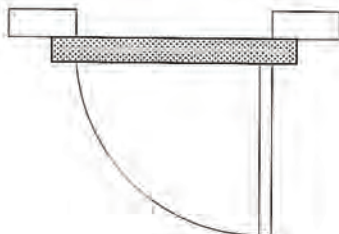
List of Accessories

4 1/2" Round Push Plate Switches

6" Round Push Plate Switches

4 1/2" Square Push Plate Switches

Jamb Mount Push Plate

Vestibule Push Plate

Keyswitch Push Plate Combination

Key Switch

Switch Posts

Hand-Held Transmitter

Transmitters

Multi-Mode Receivers

DH97 Presence Sensor

Swing Door Mounted Presence Sensor

Where Trust is Built™

DETEX®
Life Safety and Security Door Hardware

AO19 SERIES®

AO19 Activation Switches
4 1/2" Round Push Plate Switches

The 104742-X switches combine architectural quality finishes with industrial grade components to provide attractive and reliable automatic door activation.

-H   -HSS   -P

Benefits

• The 104742 Series push plate switches are designed to provide reliable activation of any automatic door.

• Designed as a universal switch, the 104742 Series fit single-gang electrical boxes with no adapters necessary.

• Durable finishes.

• Each unit is built utilizing heavy gauge stainless steel, aircraft quality rivets and screws.

• The most reliable microswitch in the industry.

Features

• The 104742 Series features 4" round face plates in either stainless steel or blue powder coated aluminum with etched and paint-filled legends.

• Includes tamper-resistant screws.

• 4" All Active Face Plate.

• H 4 1/2" Formed Stainless Steel Back Plate.

• A surface mount box is also available. 104738-1025

• Rubber "Bellows" increases weather protection (included).

• Fits single or 2-gang Electrical Box, 104738-1025 Surface Mount Box, or 104753-R4 Mounting Box With Transmitter.

Electrical Options

• Radio Control Versions Available

Accessories

• 104738-1025 mounting box

• 104752 Multi-Mode Receivers

• 104753-R4 Mounting Box with Transmitter

  • 104753-STX-R4

Where Trust is Built ™

DETEX®
Life Safety and Security Door Hardware

Technical Information

- 4" All Active Face Plate

- 4 1/2" Formed Stainless Steel Back Plate

- UL Listed Momentary Switch, SPDT, 15 Amp @ 125V AC

- Rubber "Bellows" increases weather protection (included)

Riser Diagram

INCLUDED **Rubber Bellows**

Insert rubber bellows over spring on exterior switches for weather tight fit!

COM

N.C.   N.O.

MICRO-SWITCH

Listings and Approvals

American National Standards Institute (ANSI)

Building Hardware Manufacturers Association (BHMA) - ANSI/BHMA A156.10 & A156.19

UL Approved Switches

Warranty

1 Year Mechanical Limited Manufacturers Warranty

Dimensions

4 1/2"

PRESS TO OPERATE DOOR

5/8"

4"

4 1/2"

3/4"

Where Trust is Built™

DETEX®

Life Safety and Security Door Hardware

Detex Corporation
302 Detex Drive
New Braunfels, TX 78130
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(800) 729-3839
FX (830) 620-6711
(800) 653-3839
http://www.detex.com
USA Sales:
marketing@detex.com
International Sales:
export@detex.com

January 2, 2013

AO19 SERIES®

AO19 Activation Switches
6" Round Push Plate Switches

The 104743-X switches combine architectural quality finishes with industrial grade components to provide attractive and reliable automatic door activation.

-H   -HSS   -P

Benefits

• The 104743 Series push plate switches are designed to provide reliable activation of any automatic door.

• Designed as a universal switch, the 104743 Series fit single-gang electrical boxes with no adapters necessary.

• Durable finishes.

• Each unit is built utilizing heavy gauge stainless steel, aircraft quality rivets and screws.

• The most reliable microswitch in the industry.

Features

• The 104742 Series features 5 1/2" round face plates in either stainless steel or blue powder coated aluminum with etched and paint-filled legends.

• Includes tamper-resistant screws.

• 5 1/2" All Active Face Plate.

• H 6" Formed Stainless Steel Back Plate.

• A surface mount box is also available. 104738-1030

• Rubber "Bellows" increases weather protection (included).

• Fits single or 2-gang Electrical Box, 104738-1030 Surface Mount Box, or 104753-R6 Mounting Box With Transmitter.

Electrical Options
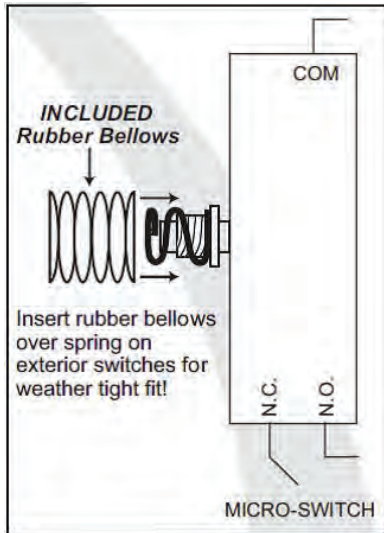
• Radio Control Versions Available

Accessories

• 104738-1030 mounting box

• 104752-RXM Multi-Mode Receivers

• 104753-R6 Mounting Box with Transmitter

• 104753-STX-R6 Mounting Box with Sequencing Transmitter

Where Trust is Built ™

DETEX®
Life Safety and Security Door Hardware

Technical Information

- 5 1/2" All Active Face Plate

- 6" Formed Stainless Steel Back Plate

- UL Listed Momentary Switch, SPDT, 15 Amp @ 125V AC

- Rubber "Bellows" increases weather protection (included)

Riser Diagram

INCLUDED Rubber Bellows

Insert rubber bellows over spring on exterior switches for weather tight fit!

COM

N.C. N.O.

MICRO-SWITCH

Listings and Approvals

American National Standards Institute (ANSI)
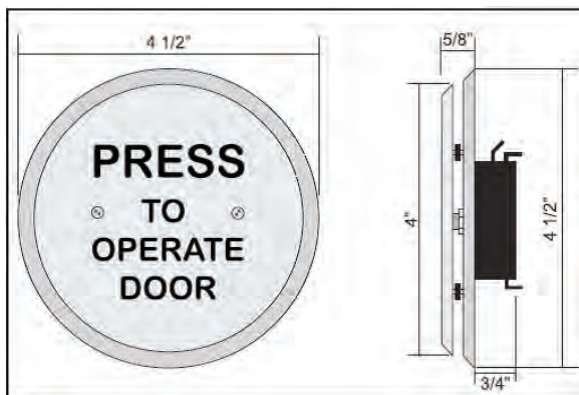
Building Hardware Manufacturers Association (BHMA) - ANSI/BHMA A156.10 & A156.19

UL Approved Switches

Warranty

1 Year Mechanical Limited Manufacturers Warranty

Dimensions

6"

PRESS TO OPERATE DOOR

5/8"

5 1/2"

6"

3/4"

DETEX
Where Trust is Built™
Life Safety and Security Door Hardware

Detex Corporation
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New Braunfels, TX 78130
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(800) 729-3839
FX (830) 620-6711
(800) 653-3839
http://www.detex.com
USA Sales:
marketing@detex.com
International Sales:
export@detex.com

AO19 SERIES®

AO19 Activation Switches
4 1/2" Square Push Plate Switches

The 104755-X switches combine architectural quality finishes with industrial grade components to provide attractive and reliable automatic door activation.

104755	-H	-HSS	-W	-WSS	-P

Benefits

• The 104755 Series push plate switches are designed to provide reliable activation of any automatic door.

• Designed as a universal switch, the 104755 Series fit single-gang or 2-gang electrical boxes with no adapters necessary.

• Durable finishes.

• Each unit is built utilizing heavy gauge stainless steel, aircraft quality rivets and screws.

• The most reliable microswitch in the industry.

Features

• The 104755 Series features 4" square face plates in either stainless steel or blue powder coated aluminum with etched and paint-filled legends.

• Includes tamper-resistant screws.

• 4" x 4" All Active Face Plate.

• H 4 1/2" x 4 1/2" Formed Stainless Steel Back Plate.

• A surface mount box is also available. 104738-1020

• Rubber "Bellows" increases weather protection (included).

• Fits single or 2-gang Electrical Box or #104738-1015 Surface Mount Box.

Electrical Options

• Radio Control Versions Available

Accessories

• 104738-1015 mounting box

• 104792 Complete Wireless Button Package

• 104738-1020 Mounting Box

• 104752-RXM Multi-Mode Receivers

• 104753 Mounting Box with Transmitter

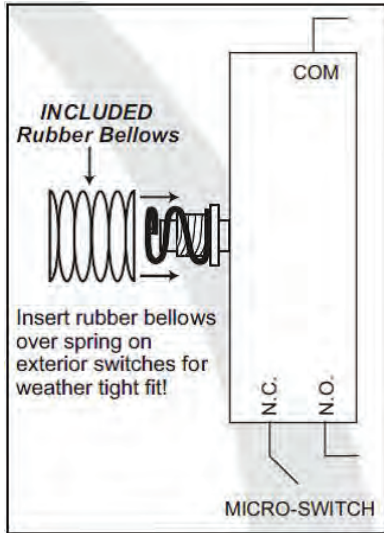• 104786-X Wireless Vestibule Sequencing Package

DETEX®
Where Trust is Built ™
Life Safety and Security Door Hardware

Technical Information

- 4" x 4" All Active Face Plate

- 4 1/2" x 4 1/2" Formed Stainless Steel Back Plate

- UL Listed Momentary Switch, SPDT, 15 Amp @ 125V AC

- Rubber "Bellows" increases weather protection (included)

Riser Diagram
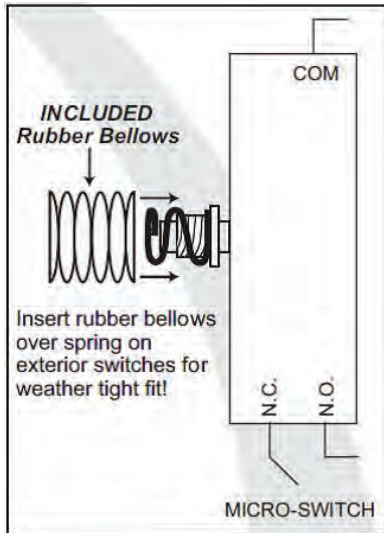
Listings and Approvals

American National Standards Institute (ANSI)

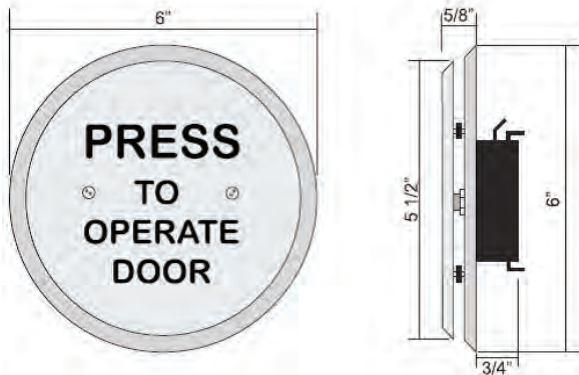Building Hardware Manufacturers Association (BHMA) - ANSI/BHMA A156.10 & A156.19

UL Approved Switches

Warranty

1 Year Mechanical Limited Manufacturers Warranty

Dimensions

Where Trust is Built™

DETEX®

Life Safety and Security Door Hardware

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FX (830) 620-6711
(800) 653-3839
http://www.detex.com
USA Sales:
marketing@detex.com
International Sales:
export@detex.com

January 3, 2013

AO19 SERIES®

AO19 Activation Switches
Jamb Mount Push Plate

The 104739-X Jamb Mount switches combine architectural quality finishes with industrial grade components to provide attractive and reliable automatic door activation.

-H   -P   -HSS   -W   -WSS
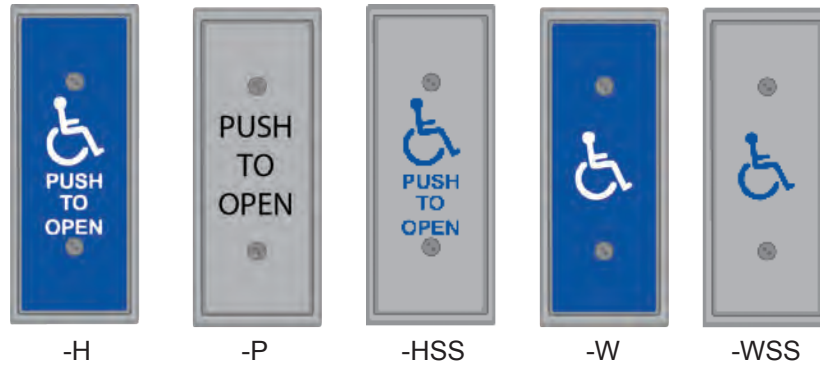
Benefits

- The 104739 Series push plate switches are designed to provide reliable activation of any automatic door.

- Each unit is built utilizing heavy gauge stainless steel, aircraft quality rivets and screws.

- Designed as a universal switch, the 104739 Series fits 1 3/4" Frame or 104738-1010, 104753-J Surface Mount Box with no adapters necessary.

- Durable finishes.

- The most reliable switch in the industry.

Features

- The 104739 Series features 1 1/2" x 4 1/2" face plates in either stainless steel or blue powder coated aluminum with etched and paint-filled legends.

- Includes tamper-resistant screws.

- 1 1/2" x 4 1/2" All Active Face Plate.

- 1 11/16" x 4 1/2" Formed Stainless Steel Back Plate.

- Rubber "Bellows" Increases Weather Protection (included).

Electrical Options

- Radio Control Versions Available

Accessories

- 104738-1010 mounting box

- 104752 CP-RX Receivers

- 104753-STX-J Mounting Box with Transmitter
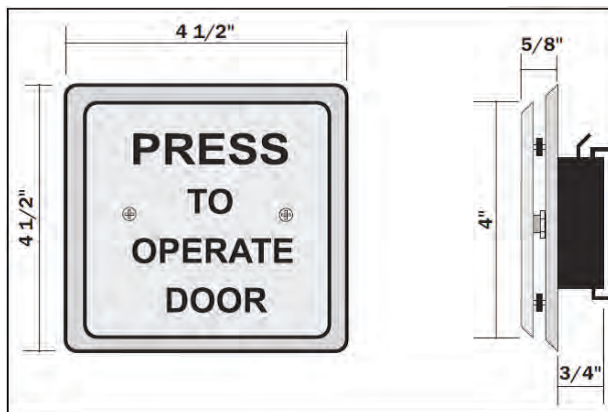
Where Trust is Built ™

DETEX®
Life Safety and Security Door Hardware

Technical Information

- 1 1/2"x 4 1/2" All Active Face Plate

- 1 11/16" x 4 1/2" Formed Stainless
  Steel Back Plate

- UL Listed Momentary Switch,
  SPDT, Mom., 15 Amp @ 125V AC

- Rubber "Bellows" Increases
  Weather Protection (included)

Riser Diagram

COM

INCLUDED Rubber Bellows

Insert rubber bellows over spring on exterior switches for weather tight fit!

N.C.   N.O.

MICRO-SWITCH

Listings and Approvals

cETLus LISTED — American National Standards Institute (ANSI)

BHMA CERTIFIED — Building Hardware Manufacturers Association (BHMA) - ANSI/BHMA A156.10 & A156.19

UL — UL Approved Switches

Warranty

1 Year Mechanical Limited Manufacturers Warranty

Dimensions

1 11/16"   5/8"

PUSH TO OPEN

4 1/2"   4 1/4"   4 1/2"

1 1/2"   3/4"

Where Trust is Built™

DETEX®

Life Safety and Security Door Hardware

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USA Sales:
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International Sales:
export@detex.com

January 3, 2013

AO19 SERIES®
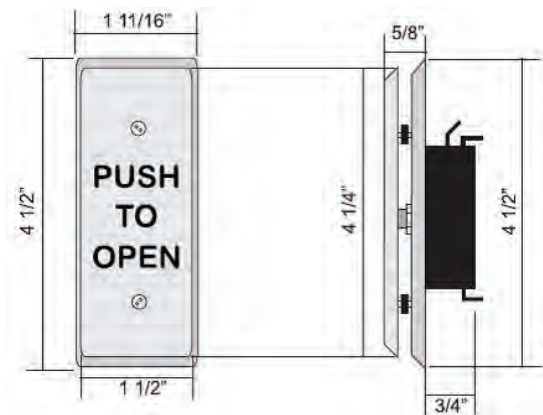
AO19 Activation Switches
Vestibule Push Plate

The 104744-X Vestibule switches combine architectural quality finishes with industrial grade components to provide attractive and reliable automatic door activation.

-H
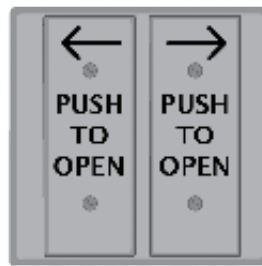
-P

-HSS

Benefits

• The 104744 Series push plate switches are designed to provide reliable activation of any automatic door.

• Designed as a universal switch, the 104744 Series fits 2-gang Electrical Box or Surface Mount Box 104738-1015, 104753-V with no adapters necessary.

• Durable finishes.

• Each unit is built utilizing heavy gauge stainless steel, aircraft quality rivets and screws.

• The most reliable microswitch in the industry.

Features

• The 104744 Series features 2 1 1/2" x 4 1/2" face plates in either stainless steel or blue powder coated aluminum with etched and paint filled legends.

• Includes tamper-resistant screws.

• 2 1 1/2" x 4 1/2" All Active Face Plates

• 4 1/2" x 4 1/2" Formed Stainless Steel Back Plate.

• Rubber "Bellows" increases weather protection (included).

Electrical Options

• Radio Control Versions Available

Accessories
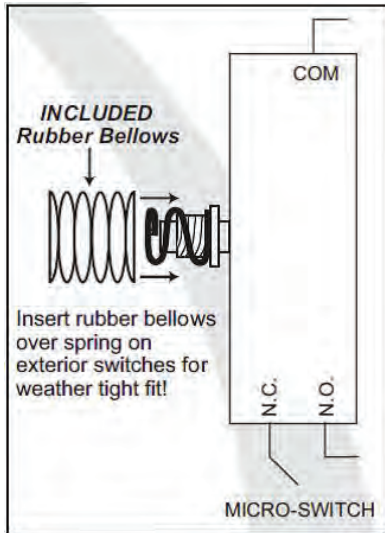
• 104738-1015 mounting box

• 104752 CP-RX Receivers

• 104753-V Mounting Box with Dual Transmitter

Where Trust is Built™

DETEX®
Life Safety and Security Door Hardware

Technical Information

- 2 1/2" x 4 1/2" All Active Face Plate.

- 4 1/2" x 4 1/2" Formed Stainless Steel Back Plate

- UL Listed Momentary Switch, SPDT, 15 Amp @ 125V AC

- Rubber "Bellows" increases weather protection (included)

Riser Diagram

INCLUDED
Rubber Bellows

Insert rubber bellows over spring on exterior switches for weather tight fit!

COM

N.C.   N.O.

MICRO-SWITCH

Listings and Approvals

American National Standards Institute (ANSI)

Building Hardware Manufacturers Association (BHMA) - ANSI/BHMA A156.10 & A156.19

UL Approved Switches

Warranty

1 Year Mechanical Limited Manufacturers Warranty

Dimensions

4 1/2"

4 1/2"   4 1/4"

← PUSH TO OPEN

→ PUSH TO OPEN

1 1/2"   1 1/2"

5/8"

4 1/2"   4 1/4"

3/4"

Where Trust is Built™

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International Sales:
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AO19 SERIES®

AO19 Activation Switches
Keyswitch

When used with automatic doors, the 105369 Series keyswitches can be used to turn an operator or any activation device on and off. The 105369 keyswitches are a simple way to provide secure activation of any automatic door.

Benefits

- The 105369 fits Single-gang, 2-gange Electrical Boxes or Surface Mount Box #104738-1015 and #104738-1035.

- The 105369 Series keyswitches are available with a maintained (105369-1) or momentary (105369-2) contact switch.

Features

- The heavy duty switch bracket features a switch activator dead stop which prevents the key cylinder from damaging a single switch.

- Pluggable wiring harness.

- Operates with 1 1/8" to 1 1/4" mortise cylinder with Adams-Rite cam (available separately)

- Available in narrow style: 105369-3 maintained, 105369-4 momentary.

- Available in single gang style: 105369-5 maintained, 105369-6 momentary.

Electrical Options

- Radio Control Versions Available

Accessories

- 104738-1015 mounting box

- 104738-1035 2" Deep Mounting Box

Where Trust is Built™

DETEX®
Life Safety and Security Door Hardware

Technical Information

- UL Listed Momentary Switch, SPDT, 15 Amp @ 125V AC
- Adjustable mounting holes help "Plumb and Square" key switch

Dimensions
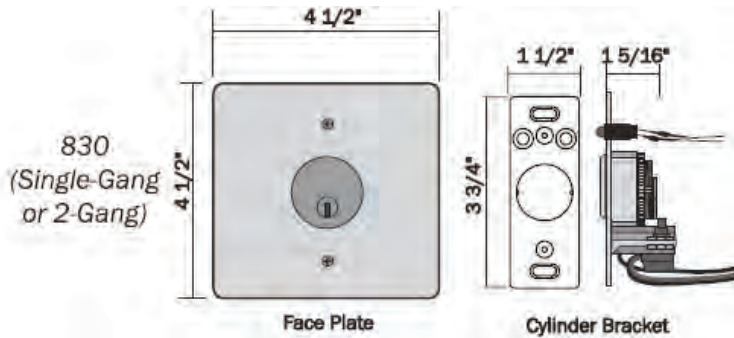
830
(Single-Gang or 2-Gang)

4 1/2"
4 1/2"

Face Plate

1 1/2"   1 5/16"
3 3/4"

Cylinder Bracket

Listings and Approvals

American National Standards Institute (ANSI)

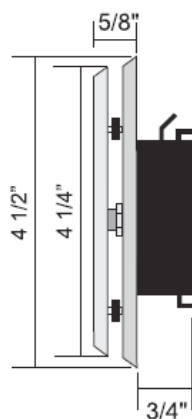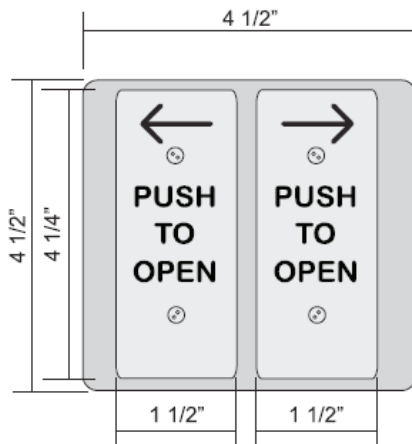Building Hardware Manufacturers Association (BHMA) - ANSI/BHMA A156.10 & A156.19

UL Approved Switches

Warranty

3 Year Mechanical Limited Manufacturers Warranty

AO19 SERIES®

AO19 Activation Accessories
Post

The 105380-X and 105396-X Series Switch Posts are designed to provide a freestanding self-contained door activation device that can be installed at any location.

Benefits

- Attractive and built to withstand the toughest conditions.

- The 105396 Series posts are made of 5" square tubular steel that is 1/8" thick.

- The durable LongLife™ Finish protects against rust and consists of two coats: a zinc rich base coat on all surfaces and an industrial grade exterior powder coat finish.

- The integral plastic cap allows superior wireless signal range.

- An innovative ABS plastic rust shield fits under the mounting shoe to help block the corrosive action of concrete to steel contact.

- Durable Exterior Grade LongLife™ Finish with Rust Shield in Gray or Dark Bronze.

Features

- The 105380 Series Posts come standard with a single switch cutout.

- The 105396 Series post is available with 2 switch cutouts.

- Microswitch includes Rubber Bellows for added weather protection.

- Interchangeable Surface and Inground Mounting Shoes or External Surface Mounting Foot available.

- All versions can be ordered for either hardwired or wireless operation.

- Surface Mount with Internal Shoe.
  105380-1: Aluminum Concealed
  105380-2: Bronze Concealed
  105396-1: Aluminum Concealed
  105396-2: Bronze Concealed

- Inground Mount.
  105380-3: Aluminum Staked
  105380-4: Bronze Staked

- Surface Mount with External Shoe.
  105380-5: Aluminum Exposed
  105380-6: Bronze Exposed
  105396-5: Aluminum Exposed
  105396-6: Bronze Exposed

Electrical Options

- 104753-P Post Transmitter
- 104753-STX-P Sequencing Post Transmitter

Where Trust is Built™

DETEX®
Life Safety and Security Door Hardware

Technical Information

• Rubber "Bellows" increases
  weather protection (included)

• Physical Size 5"W x 5"D x 42"H

Riser Diagram

OPTIONAL RADIO TRANSMITTER LOCATED DIRECTLY UNDER PLASTIC END CAP FOR OPTIMUM PERFORMANCE AND EASE OF BATTERY REPLACEMENT

59 SERIES SWITCH RECESS MOUNTED FOR ADDED WEATHER PROTECTION AND DURABILITY

PRESS TO OPERATE DOOR
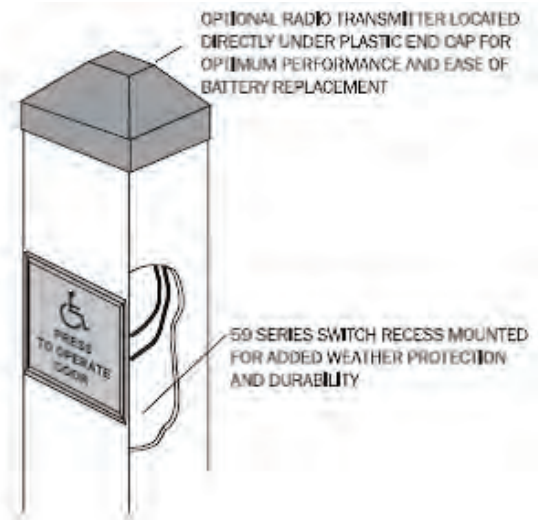
Listings and Approvals

BHMA CERTIFIED

Building Hardware Manufacturers Association (BHMA) - ANSI/BHMA A156.10 & A156.19

Warranty

1 Year Limited Manufacturers Warranty
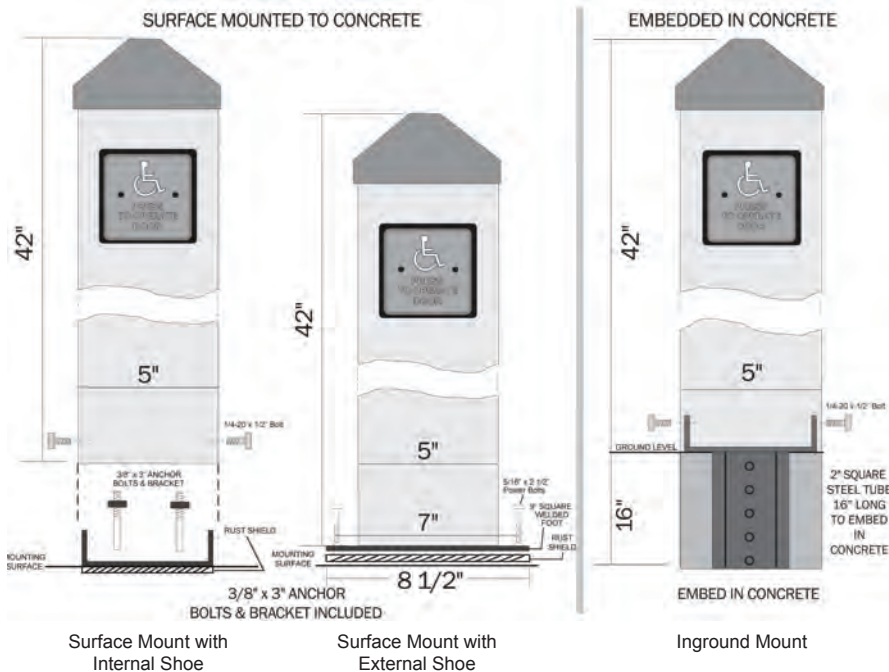
Dimensions

SURFACE MOUNTED TO CONCRETE

42"

5"

1/4-20 x 1/2" Bolt

3/8" x 3" ANCHOR BOLTS & BRACKET

RUST SHIELD

MOUNTING SURFACE

**Surface Mount with
Internal Shoe**

42"

5"

5"

7"

5/16" x 2 1/2" Power Bolts

3" SQUARE WELDED FOOT

RUST SHIELD

MOUNTING SURFACE

8 1/2"

3/8" x 3" ANCHOR BOLTS & BRACKET INCLUDED

**Surface Mount with
External Shoe**

EMBEDDED IN CONCRETE

42"

5"

1/4-20 1/2" Bolt

GROUND LEVEL

16"

2" SQUARE STEEL TUBE 16" LONG TO EMBED IN CONCRETE

EMBED IN CONCRETE

Inground Mount

Where Trust is Built™

DETEX®
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International Sales:
export@detex.com

October 4, 2012

AO19 SERIES®

AO19 Activation Accessories
Hand-Held Wireless Transmitter

The 104737 Wireless Transmitter provides the most reliable wireless activation of automatic doors available.

Benefits

- The hand-held micro-transmitters are small enough to wear as a necklace, yet have large, easy to activate buttons.

- The transmitter can also be used interchangeably with other Manufacturer's products that operate on its frequencies as well.

Features

- Utilizes Proprietary High Definition Radio Control™ (HDRC™) for unsurpassed signal transmission clarity

- Three user selectable frequencies available in single unit: HDRC™, 300 MHz, 390 MHz.

- FCC license for all three frequencies.

- SignalLock™ guarantees signal transmission when push plate is pressed.

- Power saving circuitry extends battery life.

- Integrated signal radiating antenna boosts signal strength.

- One 104737-1 (CP/TX-HH1) and Two 104737-2 (CP/TX-HH2) buttons available.

- Compact overall size with large activation buttons.

- The 104737 CP/TX can transmit three different frequencies.

Electrical Options

- 104737-1 Hand-held Transmitter - 1 button

- 104737-2 Hand-held Transmitter - 2 button

Accessories

- 104752 Multi-mode Receiver

- 104752-RXM Multi-Mode Receiver

Where Trust is Built ™

DETEX®
Life Safety and Security Door Hardware

Technical Information

- Temperature Range: -4°F to 140°F (-20°C to 60°C)

- 300 MHz: Compatible with Multicode™ products

- 390 MHz: Compatible with MS SEDCO and GENIE™ products

- Physical Size 2"W x 3/4"D x 2 3/4"H
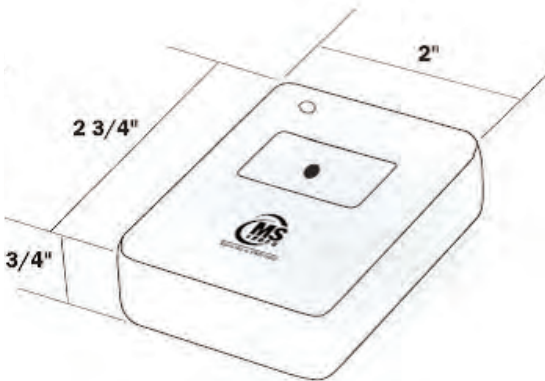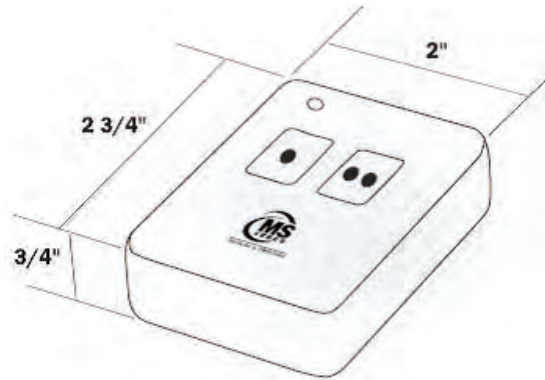
Dimensions

Listings and Approvals

American National Standards Institute (ANSI)

Building Hardware Manufacturers Association (BHMA) - ANSI/BHMA A156.10 & A156.19

FCC

US Patent 7,545,833

Warranty

1 Year Limited Manufacturers Warranty

January 3, 2013

AO19 SERIES®

AO19 Activation Accessories
Transmitters

The 104753 Transmitter provides the most reliable wireless activation of automatic doors available.

104753 - 4" Box/Transmitter

104753-R4 - 4" Round Box/Transmitter
104753-R6 - 6" Round Box/Transmitter

104753-J Jamb Mount Box/Transmitter

Benefits

• The 104753 transmitter comes prewired and installed with battery in a surface mount box, making installation quick and easy.

• The 104753 can also be used interchangeably with other Manufacturer's products that operate on its frequencies as well.

• The 104753 can transmit three different frequencies.

Features

• Utilizes Proprietary High Definition Radio Control™ (HDRC™) for unsurpassed signal transmission clarity.

• Three User selectable frequencies available in single unit: HDRC™, 300 MHz, and 390 MHz.

• FCC License for all three frequencies.

• SignalLock™ guarantees signal transmission when push plate switch is pressed.

• Power saving circuitry extends battery life.

• Radiating antenna boosts signal strength.

• Transmitter and battery factory prewired and installed in mounting boxes.

• Powered by standard 9V battery.

• Quick battery access.

Electrical Options

• 104737-1 Handheld Transmitter - 1 button
• 104737-2 Handheld Transmitter - 2 buttons
• 104753-P Post Transmitter

• 104753-Vestibule Dual Transmitter
• 104753-STX 4" Square Sequencing Transmitter
• 104753-STX-P Sequencing Post Transmitter

• 104753-STX-R4 Round 4" Box/ Sequencing Transmitter
• 104753-STX-R6 Round 6" Box/ Sequencing Transmitter

Where Trust is Built ™

DETEX®
Life Safety and Security Door Hardware

Accessories

- 104752 Multi-Mode Dual Receiver

- 104739 Jamb Mount Push Plate (used with 104753-J Box/ Transmitter)

- 104752-RXM Multi-Mode Receiver with RXM

- 104742 4 1/2" Round Push Plate (used with 104753-R4, 104753-STX-R4)

- 104743 6" Round Push Plate (used with 104753-R6, 104753-STX-R6)

- 104744 Vestibule Double Push Plate (used with 104753-V Box/ Transmitter)

- 104755 4 1/2" Square Push Plate (used with 104753, 104753-STX)

Technical Information

- Power Requirements: 9V Battery

- Temperature Range -4°F to 140°F (-20°C to 60°C)

- 300 MHz: Compatible with Multicode™ products

- 390 MHz: Compatible with MS SEDCO and GENIE™ products

- Physical Size: 2 1/4"W x 2 1/4"D x 2"H

- Weight: 1.46 lbs. (663g)

Dimensions

104753 Radio Transmitter
(Pictured with 104755-HSS - Sold Separately)
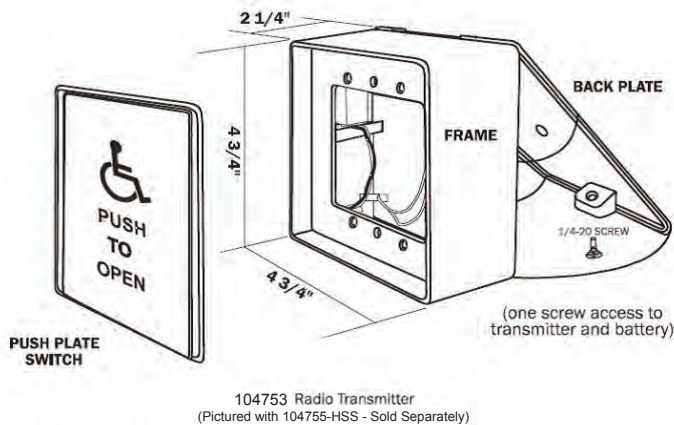
Warranty

1 Year Mechanical Limited Manufacturer's Warranty

Listings and Approvals

FCC

US patent 7,545,833

Building Hardware Manufacturers Association (BHMA) - ANSI/BHMA A156.10 & A156.19

AO19 SERIES®

AO19 Activation Accessories
Multi-Mode Wireless Receiver

The 104752 Wireless Receiver provides the most reliable wireless activation of automatic doors available.
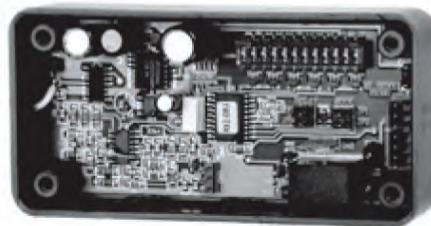
Benefits

• Utilizes Proprietary High Definition Radio Control™ (HDRC™) for unsurpassed signal transmission clarity.

Features

• The 104752 can also be used interchangeably with other manufacturer's products that operate on its frequencies.

• The 104752 accepts three different frequences: HDRC, 300MHz, 390MHz.

• 104752 can be easily programmed to become a timer, dual receiver or a sequencing receiver.

Electrical Options

• Mode 1: Standard Receiver (factory setting)

• Mode 2: Receiver with Adjustable Time Delay

• Mode 3*: Dual Channel Receiver

• Mode 4*: Receiver With Sequenced Outputs

• Mode 5**: Receiver with Ratchet Relay

*Modes 3 & 4 require the RXM Add-On Module. This Module plugs directly onto the CP/RX main circuit board and provides a second output.

**Mode 5 requires the RXR Add-On Module. The Module plugs directly onto the CP/RX main circuit board and allows for initial signal to hold relay closed until a second signal is received.

Where Trust is Built ™

DETEX®
Life Safety and Security Door Hardware

Technical Information

- Power Requirements: 12V to 24V AC or DC

- Relay Contact Rating: 3 amp @ 24V AC

- Temperature Range: -22°F to 158°F (-30°C to 70°C)

- Weight: <0.25 lbs.

- 300 MHz: Compatible with Multicode™ products

- 390 MHz: Compatible with MS SEDCO and GENIE™ products

- Physical size: 4"L x 2"W x1"H
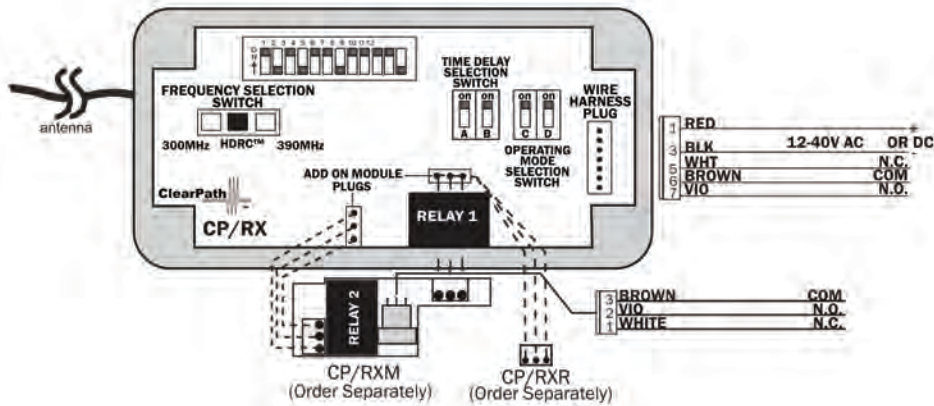
Dimensions

Listings and Approvals

American National Standards Institute (ANSI)

Building Hardware Manufacturers Association (BHMA) - ANSI/BHMA A156.10 & A156.19

FCC

US patent 7,545,833

Warranty

1 Year Limited Manufacturers Warranty

October 30, 2012

AO19 SERIES®

AO19 Safety Presence Sensor
FRM-AI Presence Sensor

The 104790 sensor is a 4-row presence sensor designed to provide safety protection for all types of automatic doors. The 104790 is based upon the most reliable active infrared (AI) technology available - Floor Reflection Method (FRM).

Benefits

- One sensor covers any safety zone application.

- SafePath Maximum Pattern Infrared (MPI™) sensors use more beams than other manufacturers and provide a level of safety not found in other standalone infrared sensors.

- There is no lens or zone masking required.

- The pattern width and depth are both mechanically adjustable. In addition the depth can be altered electronically from 5 to 2 rows.

- All adjustments are available without the use of proprietary set-up devices.

Features

- Up to 32 detection zones.

- Mount up to 10' (3m) high.

- Mechanical width settings (from 36" to over 7')

- Electronic depth adjustment from 1 to 4 rows (also 0° to 10° tilt settings)

- Quick-connect wiring (harness included)

- Four Presence Timer and frequency settings

- Sensitivity Adjustment Variable (via potentiometer)

Accessories

- Cable: 10 ft. (3m)

- Rain cover available (contact factory)

Where Trust is Built™

DETEX®
Life Safety and Security Door Hardware

Technical Information

- Temperature Range: -4°F to 140°F (-20°C to 60°C)

- Weight: approx. 0.8 lbs. (0.35 kg)
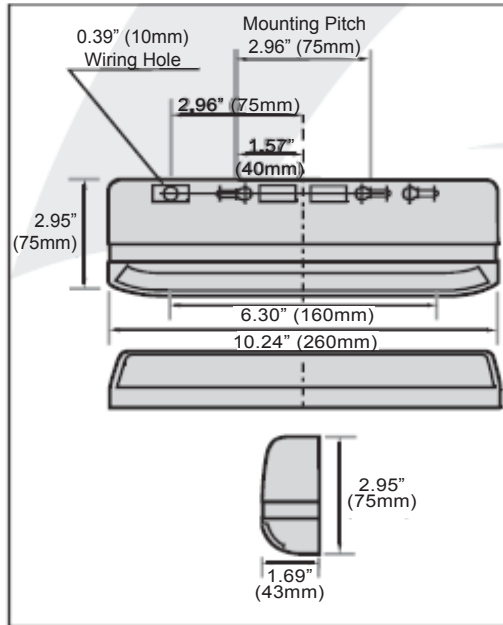
- 12V to 24V AC or DC operation

- Form C Dry Relay Contact (N.O., COM, N.C.)

Dimensions

0.39" (10mm)
Wiring Hole

0.39" (10mm)
Wiring Hole

Mounting Pitch
2.96" (75mm)

2.96" (75mm)

1.57" (40mm)

2.95" (75mm)

6.30" (160mm)

10.24" (260mm)

2.95" (75mm)

1.69" (43mm)

Listings and Approvals

American National Standards Institute (ANSI)

Building Hardware Manufacturers Association (BHMA) - ANSI/BHMA A156.10

Enclosure Rating IP54 (IEC60529)

CE

Warranty

1 Year Mechanical Limited Manufacturers Warranty

Where Trust is Built ™

DETEX ®

Life Safety and Security Door Hardware

AO19 SERIES®

AO19 Safety Presence Sensor
Swing Door Mounted Presence Sensor

The Detex 105395 is a door-mounted presence sensor designed to provide safety protection for any swing, bi-fold, revolving and low-energy automatic doors.

Benefits

• The presence sensor mounts on either side or both sides of a door panel, depending upon the application.

• On swing doors, while the door is opening, the presence sensor will sense and protect a person in its path and either slow or stop the door.

• When the door is closing, the presence sensor will sense a person in its path and reopen the door.

• The presence sensor combines the most reliable active infrared technology available with Position Sensitive Detection (PSD) technology found in auto-focus cameras to ensure the precise pedestrian detection within the path of a moving door panel.

• The detection area width can be increased by inserting additional PSD sensor modules into the 34 1/2" long extruded aluminum housing.

• The presence sensor mounts near the top of the door panel out of harm's way. PSD sensor technology automatically focuses the sensor lenses to dipswitch-controlled height settings.

• Each sensor module's detection zone can be adjusted independently.

Features

• Detection Method: Active Infrared with Position Sensitive Detection (PSD)

• Max. Installation Height: 8'6" (2.6m)

• Detection Range: 0'-7'10" (0-2.4m)

• Range Adjustment: 4'7" (1.4m), 5'3" (1.6m), 5'11" (1.8m), 6'7" (2.0m), 7'3" (2.2m), 7'10" (2.4m)

• Presence Timer: Infinity

• Beam Angle Adjustment: 5°, 10°, 15°, 20°, 25°

• Power Supply: 12-24 VAC or VDC ± 10%

Accessories

• The 105395-1 contains a single PSD sensor module and is ideal for low-energy doors.

• The 105395-2 contains two PSD sensor modules, doubling detection capability and providing safety for full energy doors.

• The 105395-3 contains three PSD sensor modules for the highest level of safety.

Where Trust is Built™

DETEX®
Life Safety and Security Door Hardware

Technical Information

- Power Consumption (per sensor module): AC12V-1.1VA, DC12V-60mA, AC24V-1.6VA, DC24V-35mA

- Weight: 1.8 lbs. (0.8kg)

- Output contact: Form C Relay; DC50V 0.1A Non Voltage 1C

- Temperature Range: -4°F to 140°F (-20°C to 60°C)

- Response time: <50ms

- Delay Hold Time: 0.5, 1, 2, 4.5 sec

Riser Diagram -

Listings and Approvals

American National Standards Institute (ANSI)

Building Hardware Manufacturers Association (BHMA) - ANSI/BHMA A156.10, A156.19, A156.27

Warranty

1 Year Mechanical Limited Manufacturers Warranty
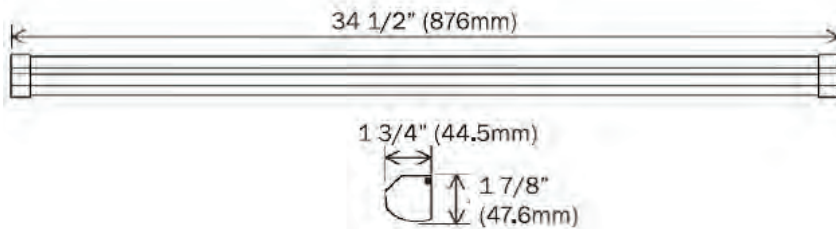
Dimensions

34 1/2" (876mm)

1 3/4" (44.5mm)

1 7/8" (47.6mm)

October 31, 2012

Life Safety and Security Door Hardware

EMERGENCY EXIT ONLY
PUSH HERE
ALARM WILL SOUND

DETEX

EMERGENCY EXIT ONLY - ALARM WILL SOUND

DETEX

DETEX

EMERGENCY EXIT ONLY
PUSH HERE - ALARM WILL SOUND

EXIT CONTROL LOCKS
ECL-230D, ECL-230D-PH

Exit Control Hardware

The ECL-230 is a **code compliant, battery alarmed**, rugged **dead bolt**, panic device with **steel plate and photo-luminescent sign** providing managed security and a **100 decibel alarm** for **secondary exits**.

ECL-230D - Short Bar
Also Available in Gray
(Cylinder and bar guard
sold separately)

ECL-230D-PH - Long Bar
Also Available in Gray
(Cylinder and bar guard
sold separately)

Benefits

- Attack resistant design withstands over 2200 lbs. of outside pull force

- Proven durability and reliability at a reasonable price

- Reduces employee and customer theft

- Easy to install

- Time tested construction resists attack from the inside

- Durable steel plate with photo luminescent sign absorbs light to then "glow in the dark" when lights are dimmed

- Easy to see if the lights go out

- Straightforward operation that everyone understands

Features

- Single point, 1" throw dead bolt

- Saw resistant dead bolt

- Corrosion resistant alloy lock body

- 100 decibel alarm, powered by 9-volt battery (included)

- Accepts 5-pin through 7-pin standard and interchangeable core rim cylinders

- Resetting the alarm can only be accomplished with a control key

- Non-handed

- Locking and unlocking the dead bolt always arms and disarms the alarm

Mechanical Options

- Gray Finish (Std.)

- Black Finish (BK)

- English Push Plate Sign (Std.)

- Other Languages available (call factory for details)

- For Panic Hardware on 36" doors see ECL-230D-PH

- Fire-Rated Option see ECL-600

- ECL-437K - Surface Strike (Std.)

Where Trust is Built™

DETEX®
*Life Safety and Security Door Hardware*

Accessories

- ECL-436K for ECL-230D, ECL-2100K for ECL-230D-PH - Bar Guard Kit - to protect end of bar, when required by code

- RC65 - Rim Cylinder, Schlage "C" Keyway with 2 keys

- ECL-1595 - Cylinder Collar required for 6 or 7 pin cylinders

- VRA-143 - Vertical Rod Assembly provides 2 point locking (see VRA-143 product sheet)

- BE-961-2 - Hard wired Conversion Kit, eliminates battery

- ECL-435K - Adjustable Surface Keeper Bracket for some double door applications

- ECL-475 - Decorative back plate for use on narrow stile doors

Technical Information

- Door Types - Wood, Hollow Metal or Aluminum

- Door Thickness - Fits standard 1-3/4" - 2-1/4"

- Minimum standard door width for ECL-230D is 20"

- Minimum standard door width for ECL-230D-PH is 34"

- Double Door requirements:
  - (1) ECL-230
  - (1) RC65
  - (1) ECL-435K
  - (1) DDH-2250 } or (1) VRA-143
  - or
  - (2) ECL-230D
  - (2) RC65
  - (1) 90KR

- Door Stile - Fits minimum 5-3/4" with ECL-437K Strike (Std.)

- Door Stile - Fits minimum 1-7/8" with ECL-475 Kit

- Machine and Sheet Metal Screws (Std.)

- Optional Sex Nuts or Security Torx Screws Available

Riser Diagram
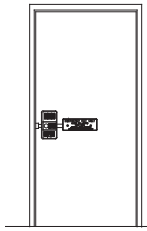
Single Door
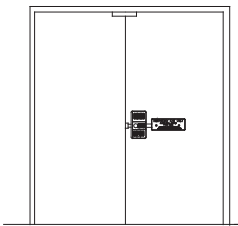
Double Doors
with DDH-2250
Double Door Holder
Adjustable Keeper (ECL-435K)
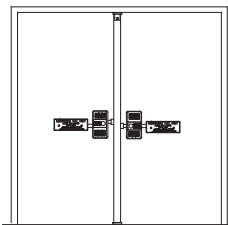
Double Doors
with Key Removable Mullion
Vertical Rod Assemblies also
available (Part #VRA-143)

Dimensions

Front View

|← 5 3/4" →|← 12 7/8" →|
ECL-230D
24 1/8"
ECL-230D-PH

10 3/8"

Side View

|← 3 3/4" →|

10 3/8"
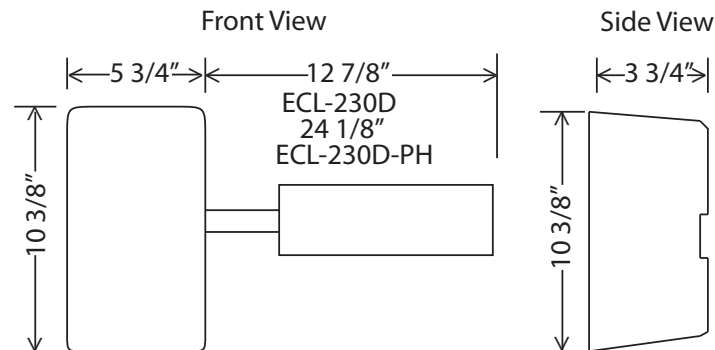
Listings and Approvals

UL Listed
Panic Hardware
988N-Grade 3

Meets ADA requirements

Meets NFPA 101 for Life Safety, CA Title 19 & { Only ECL-230D-PH

ANSI/BHMA requirements for all Building Codes

California State Fire Marshall - 4140-0127:102

Detex Limited Warranty

10 Year Limited Manufacturers Warranty

Where Trust is Built ™

DETEX®

Life Safety and Security Door Hardware

Detex Corporation
302 Detex Drive
New Braunfels, Texas 78130-3045 USA
PH. (830) 629-2900
(800) 729-3839
FAX (830) 620-6711
(800) 653-3839
http://www.detex.com
USA Sales:
marketing@detex.com
International Sales:
export@detex.com

November 3, 2014

ECL-230X HOW TO ORDER
(Includes Summary Descriptions)

ECL-230X
Example Order Number

DEVICE CONFIGURATION

* " " = Single Point Deadbolt only / $480
-TD = 2 point Top Bolt & Deadbolt / $370 add
-TB = 2 point Top Bolt & Bottom Bolt / $550 add
-TDB = 3 point Top Bolt, Deadbolt & Bottom Bolt / $615 add
W = Weatherized, Single Point Deadbolt only / $200 add
W-TD = Weatherized, 2 point Top Bolt & Deadbolt / $570 add
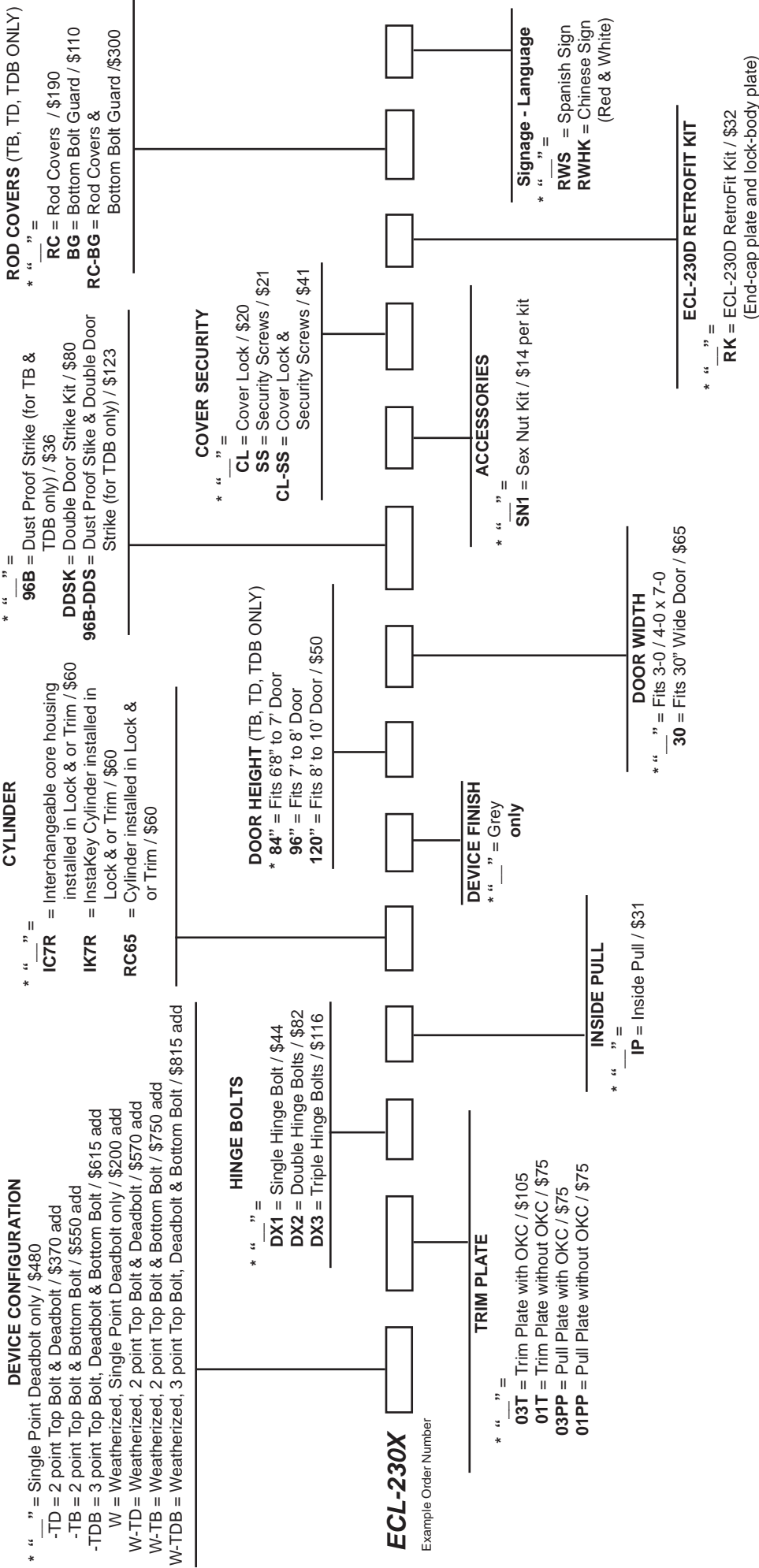W-TB = Weatherized, 2 point Top Bolt & Bottom Bolt / $750 add
W-TDB = Weatherized, 3 point Top Bolt, Deadbolt & Bottom Bolt / $815 add

HINGE BOLTS

* " " =
DX1 = Single Hinge Bolt / $44
DX2 = Double Hinge Bolts / $82
DX3 = Triple Hinge Bolts / $116

TRIM PLATE

* " " =
03T = Trim Plate with OKC / $105
01T = Trim Plate without OKC / $75
03PP = Pull Plate with OKC / $75
01PP = Pull Plate without OKC / $75

INSIDE PULL

* " " =
IP = Inside Pull / $31

CYLINDER

* " " =
IC7R = Interchangeable core housing installed in Lock & or Trim / $60
IK7R = InstaKey Cylinder installed in Lock & or Trim / $60
RC65 = Cylinder installed in Lock & or Trim / $60

DOOR HEIGHT (TB, TD, TDB ONLY)

* 84" = Fits 6'8" to 7' Door
96" = Fits 7' to 8' Door
120" = Fits 8' to 10' Door / $50

DEVICE FINISH

* " " = Grey only

DOOR WIDTH

* " " = Fits 3-0 / 4-0 x 7-0
30 = Fits 30" Wide Door / $65

STRIKE

* " " =
96B = Dust Proof Strike (for TB & TDB only) / $36
DDSK = Double Door Strike Kit / $80
96B-DDS = Dust Proof Stike & Double Door Strike (for TDB only) / $123

COVER SECURITY

* " " =
CL = Cover Lock / $20
SS = Security Screws / $21
CL-SS = Cover Lock & Security Screws / $41

ACCESSORIES

* " " =
SN1 = Sex Nut Kit / $14 per kit

ROD COVERS (TB, TD, TDB ONLY)

* " " =
RC = Rod Covers / $190
BG = Bottom Bolt Guard / $110
RC-BG = Rod Covers & Bottom Bolt Guard /$300

ECL-230D RETROFIT KIT

* " " =
RK = ECL-230D RetroFit Kit / $32 (End-cap plate and lock-body plate)

Signage - Language

* " " =
RWS = Spanish Sign
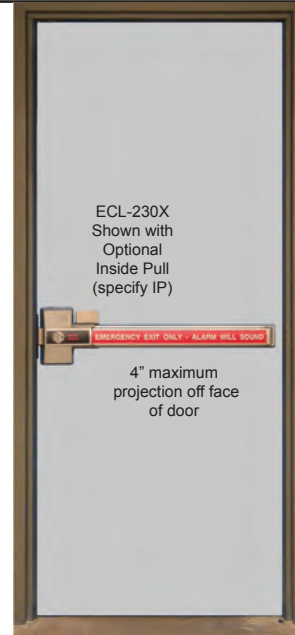RWHK = Chinese Sign (Red & White)

NOTE: * = default
Contact factory for availability
of combined options

November 20, 2013

EXIT CONTROL LOCKS
ECL-230X (Dead Bolt)

Exit Control Hardware

The ECL-230X is a **code compliant, battery alarmed**, rugged **dead bolt**, panic device with **photo-luminescent sign** providing maximum security and a **100 decibel alarm** for **secondary exits**.

ECL-230X
Shown with
Optional
Inside Pull
(specify IP)

4" maximum
projection off face
of door

End Cap

Benefits

- Attack resistant design for maximum holding force
- Proven durability and reliability at a reasonable price
- Easy to install

- Reduces employee and customer theft
- Time tested construction resists attack from the inside
- One size fits 36"-48" doors for code compliant acceptance

- For additional security with 4 locking points, specify ECL-230X-DX3
- Easy to see if the lights go out
- Straightforward operation that everyone understands

Features

- Dead bolt lock -1" throw with just over 3/4" engagement with the frame
- Saw resistant dead bolt
- Corrosion resistant alloy lock body
- 100 decibel alarm, powered by 9-volt battery (included)
- Surface/flush reversible strike

- Accepts 5-pin through 7-pin standard and interchangeable core rim cylinders without using cylinder collar
- Durable photo-luminescent sign absorbs light to then "glow in the dark" when lights are dimmed
- Locking and unlocking (dead bolt) always arms and disarms the alarm

- Non-handed
- Low profile meets International Building Code requirement allowing for 4" maximum projection off face of door
- Resetting the alarm can only be accomplished with a control key
- For 9VDC hardwiring add BE-961-1 or BE-961-2

Mechanical Options

- Gray Finish (Std.)
  Note: Contact factory for additional finishes
- H - Hurricane Rated
- 30 - Fits 30" wide door

- DX1 - Add hinge side protection with one hinge bolt for 2 locking points (3/4" frame engagement)
- DX2 - Add hinge side protection with two hinge side bolts for 3 locking points (3/4" frame engagement)
- DX3 - For maximum hinge side protection add three hinge side bolts for 4 locking points (3/4" frame engagement)

- English Push Plate Sign (Std.)
- RWS - Spanish Sign
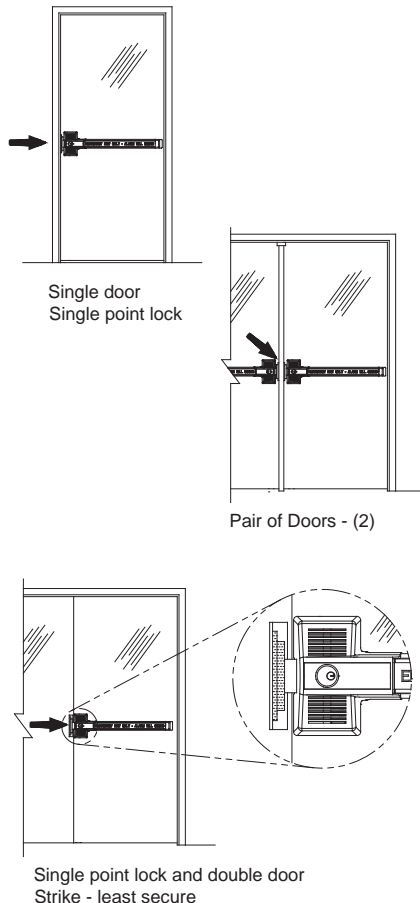- Other Languages available (call factory for details)

Where Trust is Built™

DETEX®
Life Safety and Security Door Hardware

Mechanical Options Continued

- 03T - Trim Plate

- 03PP - Pull Plate

Rim cylinder required for 03 Trims (sold separately)

- 01T - Trim Plate

- 01PP - Pull Plate

- IC7R - Interchangeable core housing installed in Lock & or Trim

- IK7R - InstaKey Cylinder installed in Lock & or Trim

- RC65 - Rim Cylinder, Schlage "C" Keyway with 2 keys installed in Lock & or Trim

- IP - Inside Pull

- DDSK - Double Door Strike Kit

- SN1 - Sex Nut Kit

- CL - Cover Lock (Standard on TB configuration)

- SS - Security Screws

- CL-SS - Cover Lock & Security Screws

- RK - ECL-230D RetroFit Kit (End-cap plate & lock-body plate)

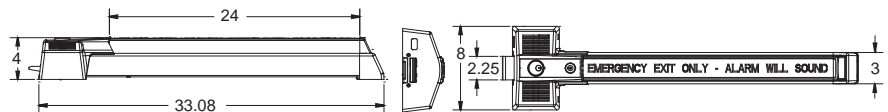- BE-961 - Hardwired Conversion Kit, eliminates battery (Sold Separately)

Technical Information

- Door Types - Wood, Hollow Metal

- Door Thickness - Fits standard 1-3/4" - 2-1/4"

- Standard Device fits 36"-48" door

- Optional Device fits 30"-36" door

- Double Door requirements:
  - (1) ECL-230X
  - (1) RC65
  - (1) DDSK
  - (1) DDH-2250
    - or
  - (2) ECL-230X
  - (2) RC65
  - (1) 90KR

- Machine and Sheet Metal Screws (Std.)

- Optional Sex Nuts or Security Torx Screws Available

Riser Diagram

Single door
Single point lock

Pair of Doors - (2)

Single point lock and double door
Strike - least secure

Dimensions

24

4

33.08

8

2.25

EMERGENCY EXIT ONLY - ALARM WILL SOUND

3

Listings and Approvals

UL Listed
Panic Hardware
988N-Grade 2

Meets ADA requirements

Meets NFPA 101
for Life Safety,
CA Title 19

ANSI/BHMA
requirements for all
Building Codes

California State Fire Marshal -
4140-0127:102

Meets International Building Code

Detex Limited Warranty

10 Year Limited Manufacturers Warranty

Where Trust is Built™

DETEX®

Life Safety and Security Door Hardware

December 10, 2013

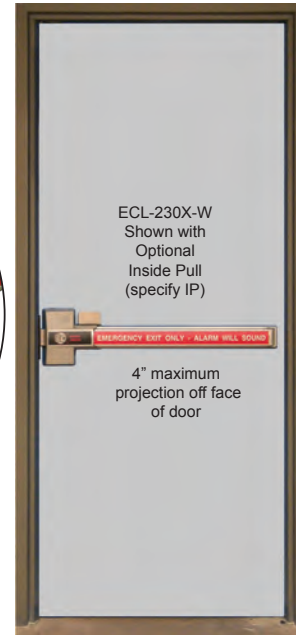# EXIT CONTROL LOCKS
ECL-230X-W (Weatherized Dead Bolt)

Exit Control Hardware

The ECL-230X-W is a **code compliant, battery alarmed**, rugged **dead bolt**, panic device with **photo-luminescent sign** providing maximum security and a **100 decibel alarm** for **secondary exits**.

This device conforms to UL1034-34 Temperature Section 34, UL1034-54 Dust Section 54, MIL-STD 810F, Method 506.4 (driving rain test); MIL-STD 810F and Method 509.4 (salt fog test).

WEATHERIZED

ECL-230X-W Shown with Optional Inside Pull (specify IP)

4" maximum projection off face of door

End Cap

Benefits

- Attack resistant design for maximum holding force

- Weather resistant design for use in outdoor or wet environments

- Proven durability and reliability at a reasonable price

- Easy to install

- Reduces employee and customer theft

- Time tested construction resists attack from the inside

- One size fits 36"-48" doors for code compliant acceptance

- For additional security with 4 locking points, specify ECL-230X-W-DX3

- Easy to see if the lights go out

- Straightforward operation that everyone understands

Features

- Dead bolt lock -1" throw with just over 3/4" engagement with the frame

- Saw resistant dead bolt

- Corrosion resistant alloy lock body

- 100 decibel alarm, powered by 9-volt battery (included)

- Surface/flush reversible strike

- Accepts 5-pin through 7-pin standard and interchangeable core rim cylinders without using cylinder collar

- Durable photo-luminescent sign absorbs light to then "glow in the dark" when lights are dimmed

- Locking and unlocking (dead bolt) always arms and disarms the alarm

- Non-handed

- Low profile meets International Building Code requirement allowing for 4" maximum projection off face of door

- Resetting the alarm can only be accomplished with a control key

- For 9VDC hardwiring add BE-961-1 or BE-961-2

Mechanical Options

- Gray Finish (Std.)
  Note: Contact factory for additional finishes

- H - Hurricane Rated

- 30 - Fits 30" wide door

- DX1 - Add hinge side protection with one hinge bolt for 2 locking points (3/4" frame engagement)

- DX2 - Add hinge side protection with two hinge side bolts for 3 locking points (3/4" frame engagement)

- DX3 - For maximum hinge side protection add three hinge side bolts for 4 locking points (3/4" frame engagement)

- English Push Plate Sign (Std.)

- RWS - Spanish Sign

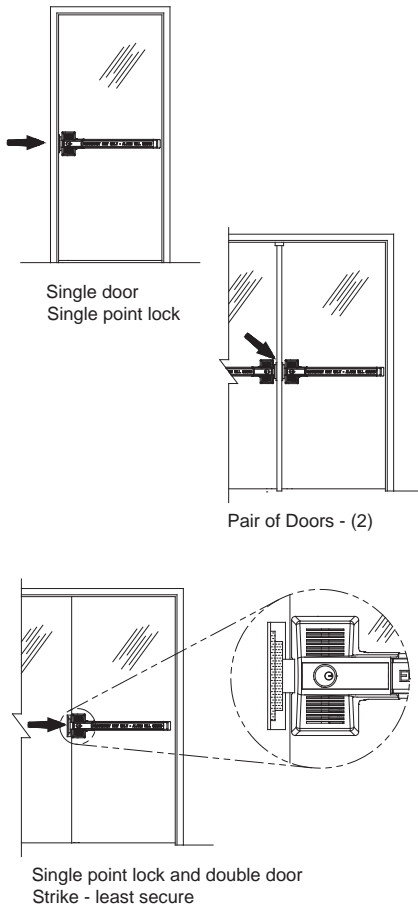- Other Languages available (call factory for details)

Where Trust is Built™

DETEX®

Life Safety and Security Door Hardware

Mechanical Options Continued

- 03T - Trim Plate

- 03PP - Pull Plate

Rim cylinder required for 03 Trims (sold separately)

- 01T - Trim Plate

- 01PP - Pull Plate

- IC7R - Interchangeable core housing installed in Lock & or Trim

- IK7R - InstaKey Cylinder installed in Lock & or Trim

- RC65 - Rim Cylinder, Schlage "C" Keyway with 2 keys installed in Lock & or Trim

- IP - Inside Pull

- DDSK - Double Door Strike Kit

- SN1 - Sex Nut Kit

- CL - Cover Lock (Standard on TB configuration)

- SS - Security Screws

- CL-SS - Cover Lock & Security Screws

- RK - ECL-230D RetroFit Kit (End-cap plate & lock-body plate)

- BE-961 - Hardwired Conversion Kit, eliminates battery (Sold Separately) NOTE: BE-961 is not weatherized, protect with NEMA enclosure.

Technical Information

- Door Types - Wood, Hollow Metal

- Door Thickness - Fits standard 1-3/4" - 2-1/4"

- Standard Device fits 36"-48" door

- Optional Device fits 30"-36" door

- Double Door requirements:
  (1) ECL-230X-W
  (1) RC65
  (1) DDSK
  (1) DDH-2250
      or
  (2) ECL-230X-W
  (2) RC65
  (1) 90KR

- Machine and Sheet Metal Screws (Std.)

- Optional Sex Nuts or Security Torx Screws Available

Riser Diagram

Single door
Single point lock

Pair of Doors - (2)

Single point lock and double door
Strike - least secure

Dimensions

24

4

33.08

8

2.25

EMERGENCY EXIT ONLY - ALARM WILL SOUND

3

Listings and Approvals

C (UL) US
LISTED

UL Listed
Panic Hardware
988N-Grade 2

UL1034-34 Temperature Section 34
[Temperature Range -31° F (-35° C) to 150° F (+66° C)]

UL 1034-54 Dust Section 54

Meets ADA requirements

Meets NFPA 101
for Life Safety,
CA Title 19

ANSI/BHMA
requirements for all
Building Codes

California State Fire Marshall -
4140-0127:102

Meets International Building Code

Detex Limited Warranty

10 Year Limited Manufacturers Warranty

Where Trust is Built™
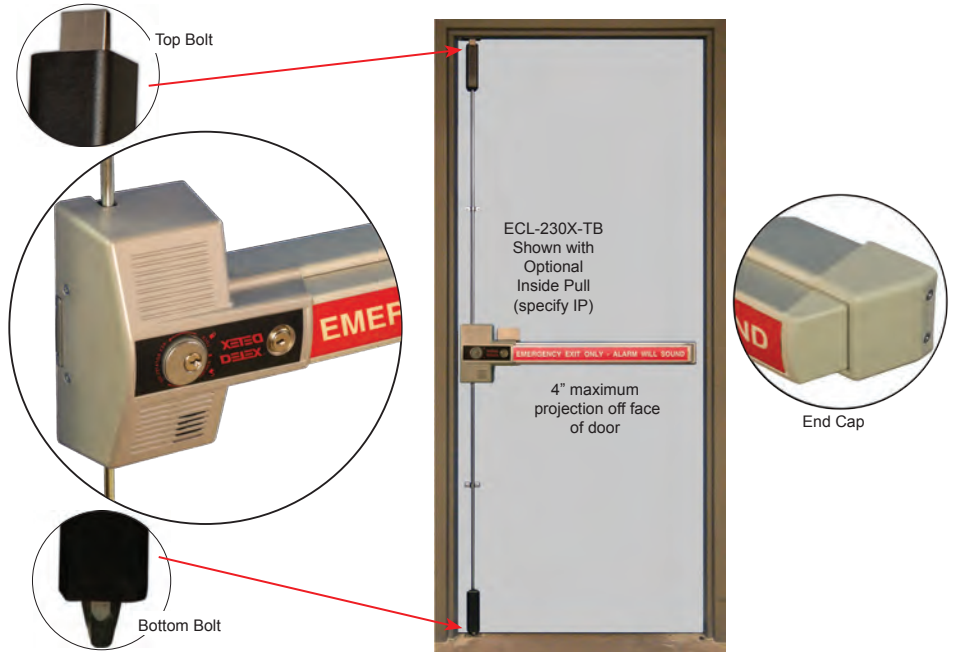
DETEX®

Life Safety and Security Door Hardware

Detex Corporation
302 Detex Drive
New Braunfels, Texas 78130-3045 USA
PH. (830) 629-2900
     (800) 729-3839
FAX (830) 620-6711
     (800) 653-3839
http://www.detex.com
USA Sales:
marketing@detex.com
International Sales:
export@detex.com

December 10, 2013

EXIT CONTROL LOCKS
ECL-230X-TB (Top and Bottom Bolt)

Exit Control Hardware (Double Door Application)

The ECL-230X-TB is a **code compliant, battery alarmed**, rugged 2-point **dead bolt**, panic device with **photo-luminescent sign** providing maximum security and a **100 decibel alarm** for **secondary exits**.

Top Bolt

Bottom Bolt

ECL-230X-TB
Shown with
Optional
Inside Pull
(specify IP)

4" maximum
projection off face
of door

End Cap

Benefits

- Attack resistant design for maximum holding force

- Proven durability and reliability at a reasonable price

- Easy to install

- Reduces employee and customer theft

- Time tested construction resists attack from the inside

- One size fits 36"-48" doors for code compliant acceptance

- For additional security with 5 locking points, specify ECL-230X-TB-DX3

- Easy to see if the lights go out

- Straightforward operation that everyone understands

Features

- 2-point, 3/4" throw top and bottom locks with just over 5/8" engagement with the strike

- Saw resistant dead bolts

- Corrosion resistant alloy lock body

- 100 decibel alarm, powered by 9-volt battery (included)

- Surface/flush reversible strike

- Accepts 5-pin through 7-pin standard and interchangeable core rim cylinders without using cylinder collar

- Durable photo-luminescent sign absorbs light to then "glow in the dark" when lights are dimmed

- Locking and unlocking (dead bolt) always arms and disarms the alarm

- Non-handed

- Low profile meets International Building Code requirement allowing for 4" maximum projection off face of door

- Resetting the alarm can only be accomplished with a control key

- For 9VDC hardwiring add BE-961-1 or BE-961-2

Mechanical Options

- Gray Finish (Std.)
  Note: Contact factory for additional finishes

- 84" - Fits 6'8" to 7' door

- 96" - Fits 7' to 8' door

- 120" - Fits 8' to 10' door

- 30 - Fits 30" wide door

- DX1 - Add hinge side protection with one hinge bolt for 3 locking points (3/4" frame engagement)

- DX2 - Add hinge side protection with two hinge side bolts for 4 locking points (3/4" frame engagement)

- DX3 - For maximum hinge side protection add three hinge side bolts for 5 locking points (3/4" frame engagement)

- English Push Plate Sign (Std.)

- RWS - Spanish Sign

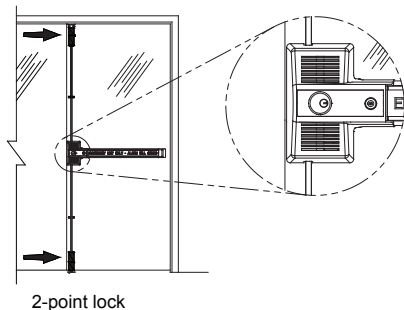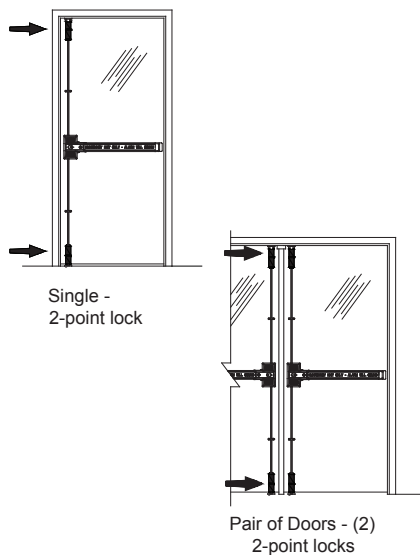- Other Languages available (call factory for details)

Where Trust is Built ™

DETEX®
Life Safety and Security Door Hardware

Mechanical Options Continued

- 03T - Trim Plate

- 03PP - Pull Plate

Rim cylinder required for 03 Trims (sold separately)

- 01T - Trim Plate

- 01PP - Pull Plate

- IC7R - Interchangeable core housing installed in Lock & or Trim

- IK7R - InstaKey Cylinder installed in Lock & or Trim

- RC65 - Rim Cylinder, Schlage "C" Keyway with 2 keys installed in Lock & or Trim

- IP - Inside Pull

- 96B - Dust Proof Strike

- DDSK - Double Door Strike Kit

- 96B-DDS - Dust Proof Strike & Double Door Strike

- SN1 - Sex Nut Kit

- CL - Cover Lock (Standard on TB configuration)

- SS - Security Screws

- CL-SS - Cover Lock & Security Screws

- RK - ECL-230D RetroFit Kit (End-cap plate & lock-body plate)

- RC - Rod Covers

- BG - Bottom Bolt Guard

- RC-BG - Rod Covers & Bottom Bolt Guard

- BE-961 - Hardwired Conversion Kit, eliminates battery (Sold Separately)

Technical Information

- Door Types - Wood, Hollow Metal

- Door Thickness - Fits standard 1-3/4" - 2-1/4"

- Standard Device fits 36"-48" door

- Optional Device fits 30"-36" door

- Double Door requirements:
  (1) ECL-230X-TB
  (1) RC65
  (1) DDSK
  (1) DDH-2250
      or
  (2) ECL-230X-TB
  (2) RC65
  (1) 90KR

- Machine and Sheet Metal Screws (Std.)

- Optional Sex Nuts or Security Torx Screws Available

Riser Diagram

Single - 2-point lock

Pair of Doors - (2) 2-point locks

2-point lock

Dimensions

1.525
24
4
33.08
1.525

1.79
.935
6.25
8
6.25
1.79

4.5
EMERGENCY EXIT ONLY - ALARM WILL SOUND
3

Listings and Approvals

UL Listed
Panic Hardware
988N-Grade 2

Meets ADA requirements

Meets NFPA 101 for Life Safety, CA Title 19

ANSI/BHMA requirements for all Building Codes

California State Fire Marshall - 4140-0127:102

Meets International Building Code

Detex Limited Warranty

10 Year Limited Manufacturers Warranty

Where Trust is Built ™

DETEX ®

Life Safety and Security Door Hardware

Detex Corporation
302 Detex Drive
New Braunfels, Texas 78130-3045 USA
PH. (830) 629-2900
 (800) 729-3839
FAX (830) 620-6711
 (800) 653-3839
http://www.detex.com
USA Sales:
marketing@detex.com
International Sales:
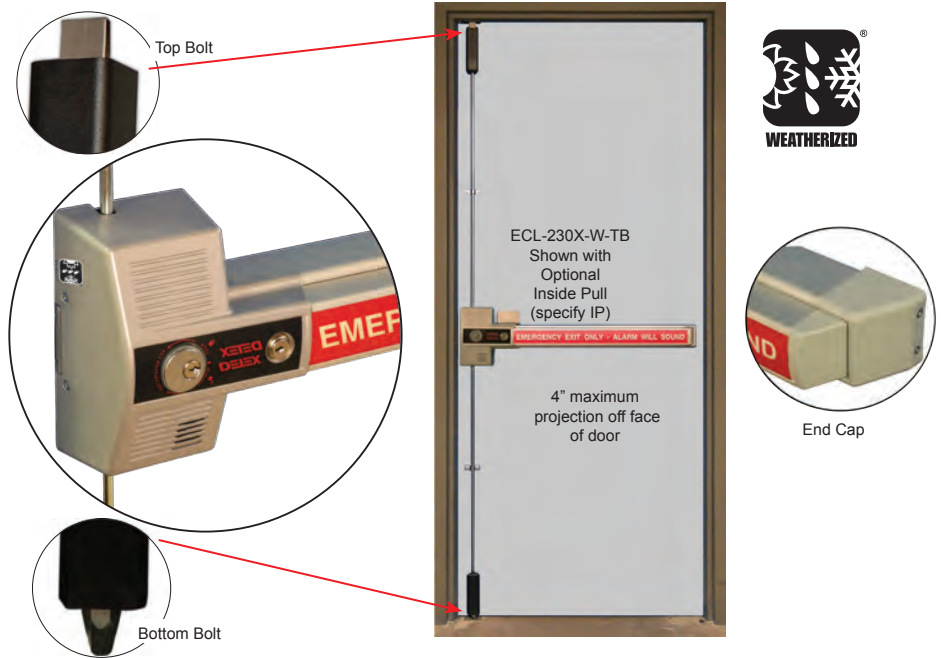export@detex.com

February 12, 2013

EXIT CONTROL LOCKS
ECL-230X-W-TB (Weatherized Top and Bottom Bolt)
Exit Control Hardware (Double Door Application)

The ECL-230X-W-TB is a **code compliant, battery alarmed**, rugged 2-point **dead bolt**, panic device with **photo-luminescent sign** providing maximum security and a **100 decibel alarm** for **secondary exits**.

This device conforms to UL1034-34 Temperature Section 34, UL1034-54 Dust Section 54, MIL-STD 810F, Method 506.4 (driving rain test); MIL-STD 810F and Method 509.4 (salt fog test).

Top Bolt

Bottom Bolt

ECL-230X-W-TB
Shown with
Optional
Inside Pull
(specify IP)

4" maximum projection off face of door

WEATHERIZED

End Cap

Benefits

- Attack resistant design for maximum holding force
- Weather resistant design for use in outdoor or wet environments
- Proven durability and reliability at a reasonable price

- Easy to install
- Reduces employee and customer theft
- Time tested construction resists attack from the inside
- One size fits 36"-48" doors for code compliant acceptance

- For additional security with 5 locking points, specify ECL-230X-W-TB-DX3
- Easy to see if the lights go out
- Straightforward operation that everyone understands

Features

- 2-point, 3/4" throw top and bottom locks with just over 5/8" engagement with the strike
- Saw resistant dead bolts
- Corrosion resistant alloy lock body
- 100 decibel alarm, powered by 9-volt battery (included)
- Surface/flush reversible strike

- Accepts 5-pin through 7-pin standard and interchangeable core rim cylinders without using cylinder collar
- Durable photo-luminescent sign absorbs light to then "glow in the dark" when lights are dimmed
- Locking and unlocking (dead bolt) always arms and disarms the alarm

- Non-handed
- Low profile meets International Building Code requirement allowing for 4" maximum projection off face of door
- Resetting the alarm can only be accomplished with a control key
- For 9VDC hardwiring add BE-961-1 or BE-961-2

Mechanical Options

- Gray Finish (Std.)
  Note: Contact factory for additional finishes
- 84" - Fits 6'8" to 7' door
- 96" - Fits 7' to 8' door
- 120" - Fits 8' to 10' door
- 30 - Fits 30" wide door

- DX1 - Add hinge side protection with one hinge bolt for 3 locking points (3/4" frame engagement)
- DX2 - Add hinge side protection with two hinge side bolts for 4 locking points (3/4" frame engagement)
- DX3 - For maximum hinge side protection add three hinge side bolts for 5 locking points (3/4" frame engagement)

- English Push Plate Sign (Std.)
- RWS - Spanish Sign
- Other Languages available (call factory for details)

Where Trust is Built ™

DETEX®
Life Safety and Security Door Hardware

Mechanical Options Continued

- 03T - Trim Plate

- 03PP - Pull Plate

Rim cylinder required for 03 Trims (sold separately)

- 01T - Trim Plate

- 01PP - Pull Plate

- IC7R - Interchangeable core housing installed in Lock & or Trim

- IK7R - InstaKey Cylinder installed in Lock & or Trim

- RC65 - Rim Cylinder, Schlage "C" Keyway with 2 keys installed in Lock & or Trim

- IP - Inside Pull

- 96B - Dust Proof Strike

- DDSK - Double Door Strike Kit

- 96B-DDS - Dust Proof Strike & Double Door Strike

- SN1 - Sex Nut Kit

- CL - Cover Lock (Standard on TB configuration)

- SS - Security Screws

- CL-SS - Cover Lock & Security Screws

- RK - ECL-230D RetroFit Kit (End-cap plate & lock-body plate)

- RC - Rod Covers

- BG - Bottom Bolt Guard

- RC-BG - Rod Covers & Bottom Bolt Guard

- BE-961 - Hardwired Conversion Kit, eliminates battery (Sold Separately) NOTE: BE-961 is not weatherized, protect with NEMA enclosure.

Technical Information

- Door Types - Wood, Hollow Metal

- Door Thickness - Fits standard 1-3/4" - 2-1/4"

- Standard Device fits 36"-48" door

- Optional Device fits 30"-36" door

- Double Door requirements:
  (1) ECL-230X-W-TB
  (1) RC65
  (1) DDSK
  (1) DDH-2250
      or
  (2) ECL-230X-W-TB
  (2) RC65
  (1) 90KR

- Machine and Sheet Metal Screws (Std.)

- Optional Sex Nuts or Security Torx Screws Available

Riser Diagram

Single - 2-point lock

Pair of Doors - (2) 2-point locks

2-point lock

December 18, 2012

Dimensions

Listings and Approvals

UL Listed
Panic Hardware
988N-Grade 2

UL1034-34 Temperature Section 34
[Temperature Range -31° F (-35° C) to 150° F (+66° C)]

UL 1034-54 Dust Section 54

Meets ADA requirements

Meets NFPA 101
for Life Safety,
CA Title 19

ANSI/BHMA
requirements for all
Building Codes

California State Fire Marshall -
4140-0127:102

Meets International Building Code

Detex Limited Warranty

10 Year Limited Manufacturers Warranty

Where Trust is Built™
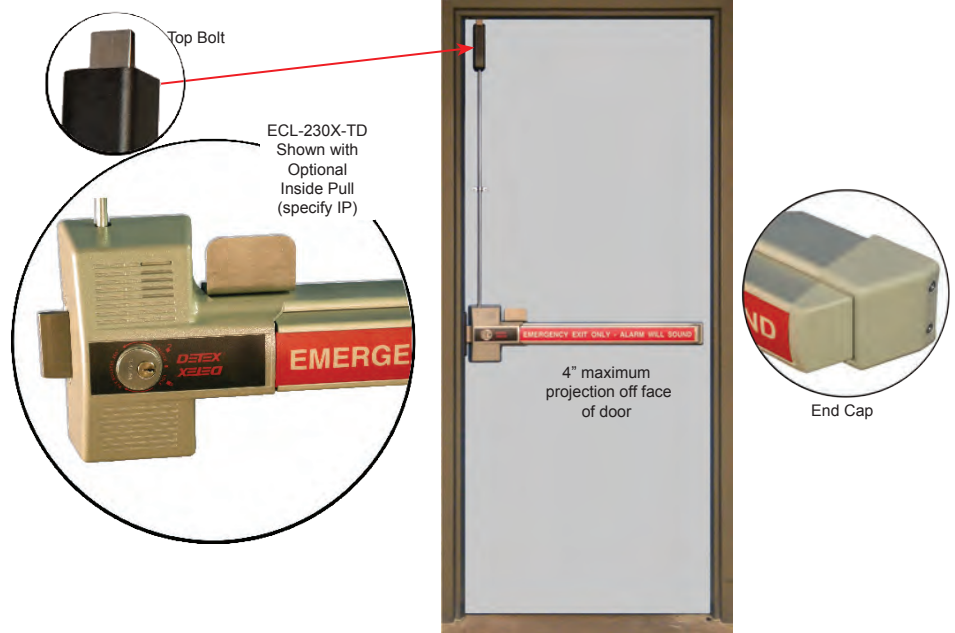
DETEX®
Life Safety and Security Door Hardware

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USA Sales:
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International Sales:
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EXIT CONTROL LOCKS
ECL-230X-TD (Top and Dead Bolt)

Exit Control Hardware

The ECL-230X-TD is a **code compliant, battery alarmed**, rugged 2-point **dead bolt**, panic device with **photo-luminescent sign** providing maximum security and a **100 decibel alarm** for **secondary exits**.

Top Bolt

ECL-230X-TD Shown with Optional Inside Pull (specify IP)

4" maximum projection off face of door

End Cap

Benefits

- Attack resistant design for maximum holding force

- Proven durability and reliability at a reasonable price

- Easy to install

- Reduces employee and customer theft

- Time tested construction resists attack from the inside

- One size fits 36"-48" doors for code compliant acceptance

- For additional security with 5 locking points, specify ECL-230X-TD-DX3

- Easy to see if the lights go out

- Straightforward operation that everyone understands

Features

- 2-point, 1" throw dead bolt lock with just over 3/4" engagement with the frame and a 3/4" throw top lock with just over 5/8" engagement with the strike

- Saw resistant dead bolts

- Corrosion resistant alloy lock body

- 100 decibel alarm, powered by 9-volt battery (included)

- Surface/flush reversible strike

- Accepts 5-pin through 7-pin standard and interchangeable core rim cylinders without using cylinder collar

- Durable photo-luminescent sign absorbs light to then "glow in the dark" when lights are dimmed

- Locking and unlocking (dead bolt) always arms and disarms the alarm

- Non-handed

- Low profile meets International Building Code requirement allowing for 4" maximum projection off face of door

- Resetting the alarm can only be accomplished with a control key

- For 9VDC hardwiring add BE-961-1 or BE-961-2

Mechanical Options

- Gray Finish (Std.)
  Note: Contact factory for additional finishes

- 84" - Fits 6'8" to 7' door

- 96" - Fits 7' to 8' door

- 120" - Fits 8' to 10' door

- 30 - Fits 30" wide door

- DX1 - Add hinge side protection with one hinge bolt for 3 locking points (3/4" frame engagement)

- DX2 - Add hinge side protection with two hinge side bolts for 4 locking points (3/4" frame engagement)

- DX3 - For maximum hinge side protection add three hinge side bolts for 5 locking points (3/4" frame engagement)

- English Push Plate Sign (Std.)

- RWS - Spanish Sign

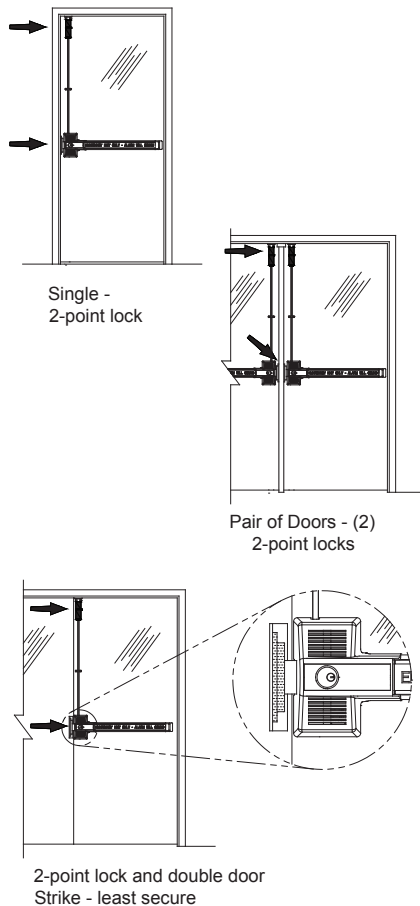- Other Languages available (call factory for details)

Where Trust is Built ™

DETEX ®

Life Safety and Security Door Hardware

Mechanical Options Continued

- 03T - Trim Plate

- 03PP - Pull Plate

Rim cylinder required for 03 Trims (sold separately)

- 01T - Trim Plate

- 01PP - Pull Plate

- IC7R - Interchangeable core housing installed in Lock & or Trim

- IK7R - InstaKey Cylinder installed in Lock & or Trim

- RC65 - Rim Cylinder, Schlage "C" Keyway with 2 keys installed in Lock & or Trim

- IP - Inside Pull

- 96B - Dust Proof Strike

- DDSK - Double Door Strike Kit

- 96B-DDS - Dust Proof Strike & Double Door Strike

- SN1 - Sex Nut Kit

- CL - Cover Lock (Standard on TB configuration)

- SS - Security Screws

- CL-SS - Cover Lock & Security Screws

- RK - ECL-230D RetroFit Kit (End-cap plate & lock-body plate)

- RC - Rod Covers

- BG - Bottom Bolt Guard

- RC-BG - Rod Covers & Bottom Bolt Guard

- BE-961 - Hardwired Conversion Kit, eliminates battery (Sold Separately)

Technical Information

- Door Types - Wood, Hollow Metal

- Door Thickness - Fits standard 1-3/4" - 2-1/4"

- Standard Device fits 36"-48" door

- Optional Device fits 30"-36" door

- Double Door requirements:
  - (1) ECL-230X-TD
  - (1) RC65
  - (1) DDSK
  - (1) DDH-2250
    - or
  - (2) ECL-230X-TD
  - (2) RC65
  - (1) 90KR

- Machine and Sheet Metal Screws (Std.)

- Optional Sex Nuts or Security Torx Screws Available

Riser Diagram

Single -
2-point lock

Pair of Doors - (2)
2-point locks

2-point lock and double door
Strike - least secure

Dimensions

1.525

24

33.08

4

1.79
.935

6.25

4.5

8

2.25

EMERGENCY EXIT ONLY - ALARM WILL SOUND

3

Listings and Approvals

C (UL) US
LISTED

UL Listed
Panic Hardware
988N-Grade 2

Meets ADA requirements

Meets NFPA 101
for Life Safety,
CA Title 19

BHMA CERTIFIED

ANSI/BHMA
requirements for all
Building Codes

California State Fire Marshall -
4140-0127:102

Meets International Building Code

Detex Limited Warranty

10 Year Limited Manufacturers Warranty

Where Trust is Built™

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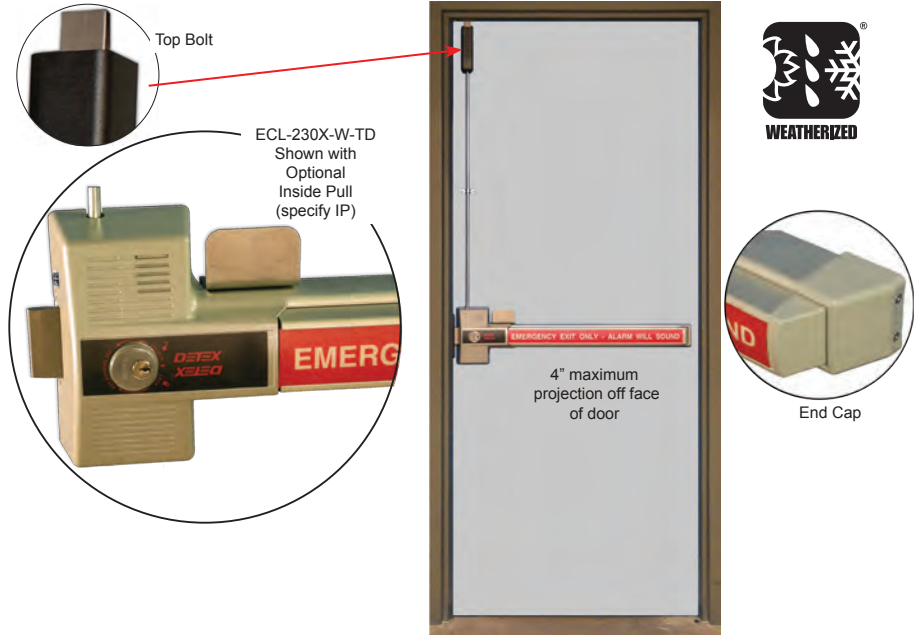International Sales:
export@detex.com

EXIT CONTROL LOCKS
ECL-230X-W-TD (Weatherized Top and Dead Bolt)

Exit Control Hardware

The ECL-230X-W-TD is a **code compliant, battery alarmed**, rugged 2-point **dead bolt**, panic device with **photo-luminescent sign** providing maximum security and a **100 decibel alarm** for **secondary exits**.

This device conforms to UL1034-34 Temperature Section 34, UL1034-54 Dust Section 54, MIL-STD 810F, Method 506.4 (driving rain test); MIL-STD 810F and Method 509.4 (salt fog test).

Top Bolt

ECL-230X-W-TD Shown with Optional Inside Pull (specify IP)

4" maximum projection off face of door

WEATHERIZED

End Cap

Benefits

- Attack resistant design for maximum holding force

- Weather resistant design for use in outdoor or wet environments

- Proven durability and reliability at a reasonable price

- Easy to install

- Reduces employee and customer theft

- Time tested construction resists attack from the inside

- One size fits 36"-48" doors for code compliant acceptance

- For additional security with 5 locking points, specify ECL-230X-W-TD-DX3

- Easy to see if the lights go out

- Straightforward operation that everyone understands

Features

- 2-point, 1" throw dead bolt lock with just over 3/4" engagement with the frame and a 3/4" throw top lock with just over 5/8" engagement with the strike

- Saw resistant dead bolts

- Corrosion resistant alloy lock body

- 100 decibel alarm, powered by 9-volt battery (included)

- Surface/flush reversible strike

- Accepts 5-pin through 7-pin standard and interchangeable core rim cylinders without using cylinder collar

- Durable photo-luminescent sign absorbs light to then "glow in the dark" when lights are dimmed

- Locking and unlocking (dead bolt) always arms and disarms the alarm

- Non-handed

- Low profile meets International Building Code requirement allowing for 4" maximum projection off face of door

- Resetting the alarm can only be accomplished with a control key

- For 9VDC hardwiring add BE-961-1 or BE-961-2

Mechanical Options

- Gray Finish (Std.)
  Note: Contact factory for additional finishes

- 84" - Fits 6'8" to 7' door

- 96" - Fits 7' to 8' door

- 120" - Fits 8' to 10' door

- 30 - Fits 30" wide door

- DX1 - Add hinge side protection with one hinge bolt for 3 locking points (3/4" frame engagement)

- DX2 - Add hinge side protection with two hinge side bolts for 4 locking points (3/4" frame engagement)

- DX3 - For maximum hinge side protection add three hinge side bolts for 5 locking points (3/4" frame engagement)

- English Push Plate Sign (Std.)

- RWS - Spanish Sign
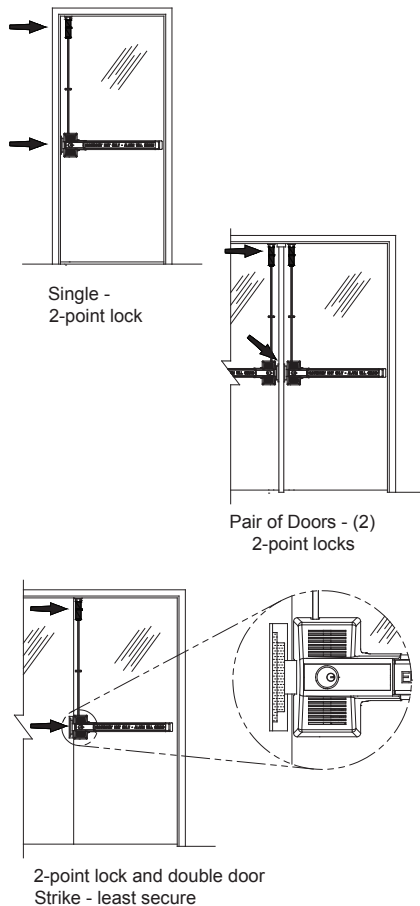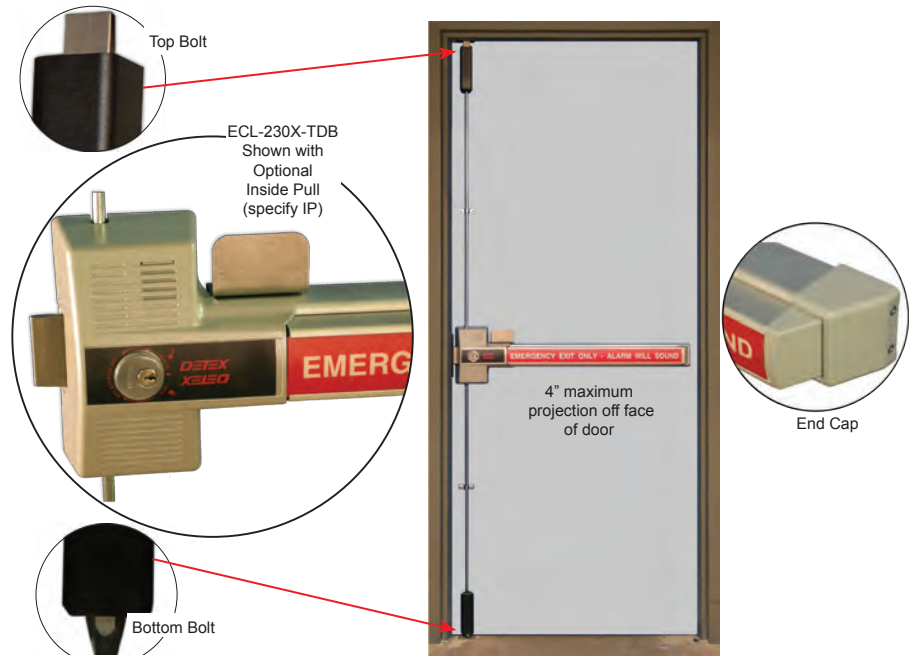
- Other Languages available (call factory for details)

DETEX®
Where Trust is Built ™
Life Safety and Security Door Hardware

Mechanical Options Continued

- 03T - Trim Plate

- 03PP - Pull Plate

Rim cylinder required for 03 Trims (sold separately)

- 01T - Trim Plate

- 01PP - Pull Plate

- IC7R - Interchangeable core housing installed in Lock & or Trim

- IK7R - InstaKey Cylinder installed in Lock & or Trim

- RC65 - Rim Cylinder, Schlage "C" Keyway with 2 keys installed in Lock & or Trim

- IP - Inside Pull

- 96B - Dust Proof Strike

- DDSK - Double Door Strike Kit

- 96B-DDS - Dust Proof Strike & Double Door Strike

- SN1 - Sex Nut Kit

- CL - Cover Lock (Standard on TB configuration)

- SS - Security Screws

- CL-SS - Cover Lock & Security Screws

- RK - ECL-230D RetroFit Kit (End-cap plate & lock-body plate)

- RC - Rod Covers

- BG - Bottom Bolt Guard

- RC-BG - Rod Covers & Bottom Bolt Guard

- BE-961 - Hardwired Conversion Kit, eliminates battery (Sold Separately) NOTE: BE-961 is not weatherized, protect with NEMA enclosure.

Technical Information

- Door Types - Wood, Hollow Metal

- Door Thickness - Fits standard 1-3/4" - 2-1/4"

- Standard Device fits 36"-48" door

- Optional Device fits 30"-36" door

- Double Door requirements:
  - (1) ECL-230X-W-TD
  - (1) RC65
  - (1) DDSK
  - (1) DDH-2250
    - or
  - (2) ECL-230X-W-TD
  - (2) RC65
  - (1) 90KR

- Machine and Sheet Metal Screws (Std.)

- Optional Sex Nuts or Security Torx Screws Available

Riser Diagram

Single - 2-point lock

Pair of Doors - (2) 2-point locks

2-point lock and double door Strike - least secure

Dimensions

Listings and Approvals

UL Listed
Panic Hardware
988N-Grade 2

UL1034-34 Temperature Section 34 [Temperature Range -31° F (-35° C) to 150° F (+66° C)]

UL 1034-54 Dust Section 54

Meets ADA requirements

Meets NFPA 101 for Life Safety, CA Title 19

ANSI/BHMA requirements for all Building Codes

California State Fire Marshall - 4140-0127:102

Meets International Building Code

Detex Limited Warranty

10 Year Limited Manufacturers Warranty

Where Trust is Built™

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Life Safety and Security Door Hardware

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USA Sales:
marketing@detex.com
International Sales:
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EXIT CONTROL LOCKS
ECL-230X-TDB (Top Bolt, Dead Bolt and Bottom Bolt)

Exit Control Hardware

The ECL-230X-TDB is a **code compliant, battery alarmed**, rugged 3-point **dead bolt**, panic device with **photo-luminescent sign** providing maximum security and a **100 decibel alarm** for **secondary exits**.

Top Bolt

ECL-230X-TDB Shown with Optional Inside Pull (specify IP)

EMERG

Bottom Bolt

4" maximum projection off face of door

End Cap

Benefits

- Attack resistant design for maximum holding force

- Proven durability and reliability at a reasonable price

- Easy to install

- Reduces employee and customer theft

- Time tested construction resists attack from the inside

- One size fits 36"-48" doors for code compliant acceptance

- For maximum security with 6 locking points, specify ECL-230X-TDB-DX3

- Easy to see if the lights go out

- Straightforward operation that everyone understands

Features

- 3-point, 1" throw dead bolt lock with just over 3/4" engagement with the frame, and 3/4" throw top and bottom locks with 5/8" engagement with the strike
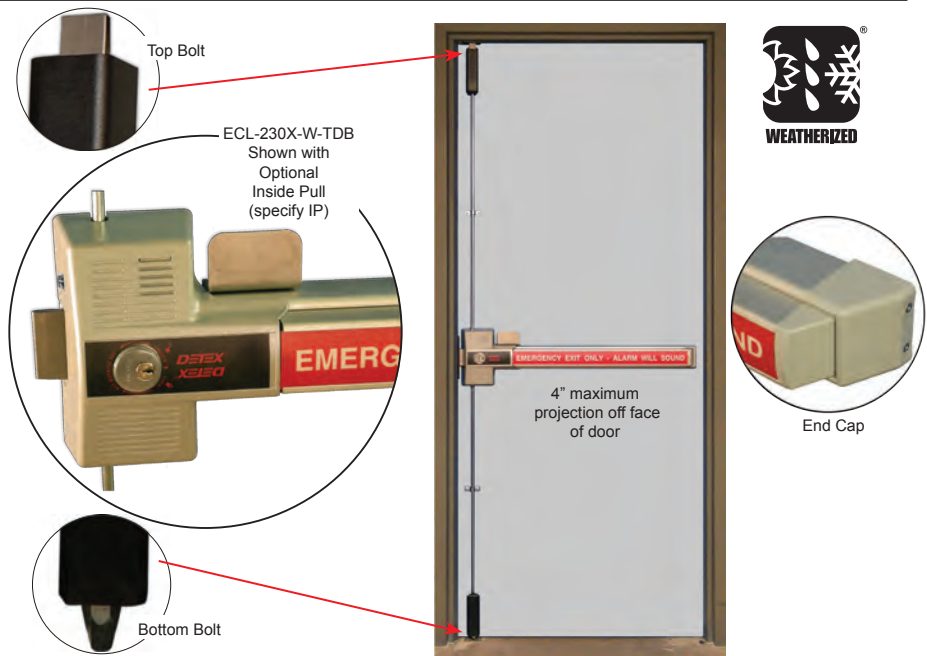
- Saw resistant dead bolts

- Corrosion resistant alloy lock body

- 100 decibel alarm, powered by 9-volt battery (included)

- Surface/flush reversible strike

- Accepts 5-pin through 7-pin standard and interchangeable core rim cylinders without using cylinder collar

- Durable photo-luminescent sign absorbs light to then "glow in the dark" when lights are dimmed

- Locking and unlocking the dead bolt always arms and disarms the alarm

- Non-handed

- Low profile meets International Building Code requirement allowing for 4" maximum projection off face of door

- Resetting the alarm can only be accomplished with a control key

- For 9VDC hardwiring add BE-961-1 or BE-961-2

Mechanical Options

- Gray Finish (Std.) Note: Contact factory for additional finishes

- H - Hurricane Rated

- 84" - Fits 6'8" to 7' door

- 96" - Fits 7' to 8' door

- 120" - Fits 8' to 10' door

- 30 - Fits 30" wide door

- DX1 - Add hinge side protection with one hinge bolt for 4 locking points (3/4" frame engagement)

- DX2 - Add hinge side protection with two hinge side bolts for 5 locking points (3/4" frame engagement)

- DX3 - For maximum hinge side protection add three hinge side bolts for 6 locking points (3/4" frame engagement)

- English Push Plate Sign (Std.)

- RWS - Spanish Sign

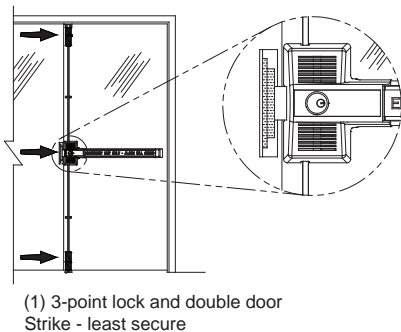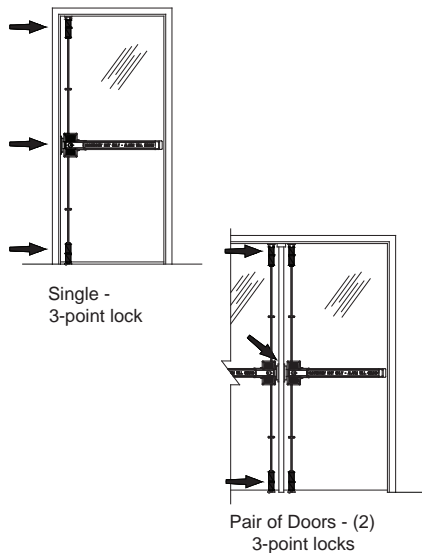- Other Languages available (call factory for details)

Where Trust is Built ™

DETEX®

Life Safety and Security Door Hardware

Mechanical Options Continued

- 03T - Trim Plate

- 03PP - Pull Plate

Rim cylinder required for 03 Trims (sold separately)

- 01T - Trim Plate

- 01PP - Pull Plate

- IC7R - Interchangeable core housing installed in Lock & or Trim

- IK7R - InstaKey Cylinder installed in Lock & or Trim

- RC65 - Rim Cylinder, Schlage "C" Keyway with 2 keys installed in Lock & or Trim

- IP - Inside Pull

- 96B - Dust Proof Strike

- DDSK - Double Door Strike Kit

- 96B-DDS - Dust Proof Strike & Double Door Strike

- SN1 - Sex Nut Kit

- CL - Cover Lock (Standard on TB configuration)

- SS - Security Screws

- CL-SS - Cover Lock & Security Screws

- RK - ECL-230D RetroFit Kit (End-cap plate & lock-body plate)

- RC - Rod Covers

- BG - Bottom Bolt Guard

- RC-BG - Rod Covers & Bottom Bolt Guard

- BE-961 - Hardwired Conversion Kit, eliminates battery (Sold Separately)

Technical Information

- Door Types - Wood, Hollow Metal

- Door Thickness - Fits standard 1-3/4" - 2-1/4"

- Standard Device fits 36"-48" door

- Optional Device fits 30"-36" door

- Double Door requirements:
  (1) ECL-230X-TDB
  (1) RC65
  (1) DDSK
  (1) DDH-2250
      or
  (2) ECL-230X-TDB
  (2) RC65
  (1) 90KR

- Machine and Sheet Metal Screws (Std.)

- Optional Sex Nuts or Security Torx Screws Available

Riser Diagram

Single - 3-point lock

Pair of Doors - (2) 3-point locks

(1) 3-point lock and double door strike - least secure

(1) 3-point lock with double door strike and (1) 2-point lock

Dimensions

1.525
24
33.08
4
1.525

1.79
.935
6.25
6.25
1.79

4.5
8
2.25
EMERGENCY EXIT ONLY - ALARM WILL SOUND
3

Listings and Approvals

UL Listed
Panic Hardware
988N-Grade 2

Meets ADA requirements

Meets NFPA 101 for Life Safety, CA Title 19

BHMA CERTIFIED
ANSI/BHMA requirements for all Building Codes

California State Fire Marshall - 4140-0127:102

Meets International Building Code

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EXIT CONTROL LOCKS
ECL-230X-W-TDB (Weatherized Top Bolt, Dead Bolt and Bottom Bolt)

Exit Control Hardware

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This device conforms to UL1034-34 Temperature Section 34, UL1034-54 Dust Section 54, MIL-STD 810F, Method 506.4 (driving rain test); MIL-STD 810F and Method 509.4 (salt fog test).

Top Bolt

ECL-230X-W-TDB
Shown with
Optional
Inside Pull
(specify IP)

EMERG

4" maximum
projection off face
of door

End Cap

Bottom Bolt

WEATHERIZED

Benefits

- Attack resistant design for maximum holding force

- Weather resistant design for use in outdoor or wet environments

- Proven durability and reliability at a reasonable price

- Easy to install

- Reduces employee and customer theft

- Time tested construction resists attack from the inside

- One size fits 36"-48" doors for code compliant acceptance

- For maximum security with 6 locking points, specify ECL-230X-W-TDB-DX3

- Easy to see if the lights go out

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Features

- 3-point, 1" throw dead bolt lock with just over 3/4" engagement with the frame, and 3/4" throw top and bottom locks with 5/8" engagement with the strike

- Saw resistant dead bolts

- Corrosion resistant alloy lock body

- 100 decibel alarm, powered by 9-volt battery (included)

- Surface/flush reversible strike

- Accepts 5-pin through 7-pin standard and interchangeable core rim cylinders without using cylinder collar

- Durable photo-luminescent sign absorbs light to then "glow in the dark" when lights are dimmed

- Locking and unlocking the dead bolt always arms and disarms the alarm

- Non-handed

- Low profile meets International Building Code requirement allowing for 4" maximum projection off face of door

- Resetting the alarm can only be accomplished with a control key

- For 9VDC hardwiring add BE-961-1 or BE-961-2

Mechanical Options

- Gray Finish (Std.)
  Note: Contact factory for additional finishes

- H - Hurricane Rated

- 84" - Fits 6'8" to 7' door

- 96" - Fits 7' to 8' door

- 120" - Fits 8' to 10' door

- 30 - Fits 30" wide door

- DX1 - Add hinge side protection with one hinge bolt for 4 locking points (3/4" frame engagement)

- DX2 - Add hinge side protection with two hinge side bolts for 5 locking points (3/4" frame engagement)

- DX3 - For maximum hinge side protection add three hinge side bolts for 6 locking points (3/4" frame engagement)

- English Push Plate Sign (Std.)

- RWS - Spanish Sign

- Other Languages available (call factory for details)

Where Trust is Built ™

DETEX®
Life Safety and Security Door Hardware

Mechanical Options Continued

- 03T - Trim Plate

- 03PP - Pull Plate

Rim cylinder required for 03 Trims (sold separately)

- 01T - Trim Plate

- 01PP - Pull Plate

- IC7R - Interchangeable core housing installed in Lock & or Trim

- IK7R - InstaKey Cylinder installed in Lock & or Trim

- RC65 - Rim Cylinder, Schlage "C" Keyway with 2 keys installed in Lock & or Trim

- IP - Inside Pull

- 96B - Dust Proof Strike

- DDSK - Double Door Strike Kit

- 96B-DDS - Dust Proof Strike & Double Door Strike

- SN1 - Sex Nut Kit

- CL - Cover Lock (Standard on TB configuration)

- SS - Security Screws

- CL-SS - Cover Lock & Security Screws

- RK - ECL-230D RetroFit Kit (End-cap plate & lock-body plate)

- RC - Rod Covers

- BG - Bottom Bolt Guard

- RC-BG - Rod Covers & Bottom Bolt Guard

- BE-961 - Hardwired Conversion Kit, eliminates battery (Sold Separately)
  NOTE: BE-961 is not weatherized, protect with NEMA enclosure.

Technical Information

- Door Types - Wood, Hollow Metal

- Door Thickness - Fits standard 1-3/4" - 2-1/4"

- Standard Device fits 36"-48" door

- Optional Device fits 30"-36" door

- Double Door requirements:
  (1) ECL-230X-W-TDB
  (1) RC65
  (1) DDSK
  (1) DDH-2250
      or
  (2) ECL-230X-W-TDB
  (2) RC65
  (1) 90KR

- Machine and Sheet Metal Screws (Std.)

- Optional Sex Nuts or Security Torx Screws Available

Riser Diagram

Single -
3-point lock

Pair of Doors - (2)
3-point locks

(1) 3-point lock and double door Strike - least secure

December 10, 2013

Dimensions

Listings and Approvals

UL Listed
Panic Hardware
988N-Grade 2

UL1034-34 Temperature Section 34
[Temperature Range -31° F (-35° C) to 150° F (+66° C)]

UL 1034-54 Dust Section 54

Meets ADA requirements

Meets NFPA 101 for Life Safety, CA Title 19

ANSI/BHMA requirements for all Building Codes

California State Fire Marshal -
4140-0127:102

Meets International Building Code

Detex Limited Warranty

10 Year Limited Manufacturers Warranty

Where Trust is Built ™

DETEX ®

Life Safety and Security Door Hardware
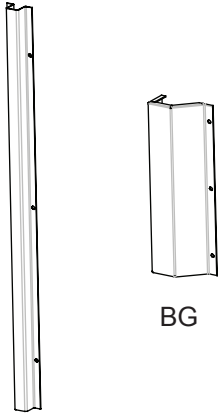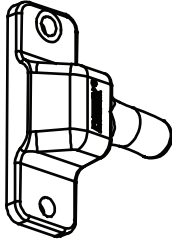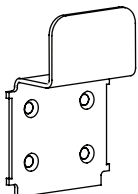
Detex Corporation
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     (800) 729-3839
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     (800) 653-3839
http://www.detex.com
USA Sales:
marketing@detex.com
International Sales:
export@detex.com

EXIT CONTROL LOCKS
ECL-600

Fire-Rated Exit Control Hardware

The ECL-600 is a **fire rated**, **code-compliant**, rugged, dependable **relatching** exit device with a **steel plate and photo-luminescent sign** providing managed security and a 100 decibel alarm for secondary fire exits.

ECL-600
Also available in Black
(Cylinders and bar
guard sold separately)

ECL-620

Benefits

- Attack resistant design withstands over 2200 lbs. of outside pull force

- Proven durability, reliability and long service life at a reasonable price

- Reduces employee and customer theft

- Easy to Install

- Time tested construction resists attack from the inside

- Easy to see if the lights go out

- Straightforward operation that everyone understands

Features

- 1" throw dead bolt and 3/4" dead locking latch bolt

- Relatching for additional security

- Saw resistant dead bolt

- Corrosion resistant alloy lock-body

- 100 decibel alarm, powered by 9-volt battery (included)

- Accepts 5-pin through 7-pin standard and interchangeable core rim cylinders

- Durable steel plate with photo luminescent sign

- Non-handed

- Locking and unlocking the dead bolt always arms and disarms the alarm

- Resetting the alarm can only be accomplished with a control key

Mechanical Options

- Gray Finish (Std.)

- Black Finish (BK)

- English Push Plate Sign (Std.)

- Other Languages available (call factory for details)

- For Panic Hardware see ECL-230D or ECL-230D-PH

Accessories

- ECL-2100K - Bar Guard Kit - to protect end of bar, when required by code

- ECL-445K - Rim Cylinder, 5-pin with two keys

- ECL-1595 - Cylinder Collar required for 6 or 7 pin cylinders

- F90KR - Keyed Removable Mullion for pairs of doors. Each leaf will operate independently.

- BE-961 - Hard wired Conversion Kit, eliminates battery

- ECL-435K Adjustable Surface Keeper Bracket for some double door applications

- ECL-620 - Outside Lever Trim (rim cylinder sold separately)

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Life Safety and Security Door Hardware

ECL-620 Lever Trim

Designed specifically to operate with the ECL-600 Fire-Rated Exit Control Lock, the ECL-620 is a heavy-duty lever trim that allows entry from the outside. The keyed cylinder retracts the dead bolt and the lever operates the latch bolt.

• Modern design lever

• Durable black finish

• Recessed cylinder for vandal resistance

• Key operates dead bolt

• Lever always active, retracting only the latch bolt

• Durable, through-bolted design

• Accepts standard rim cylinder (sold separately)

Technical Information

• Door Types - Wood, Hollow Metal or Aluminum

• Door Thickness - Fits standard 1-3/4" - 2-1/4"

• Minimum standard door width for ECL-600 is 34"

• Double Door requirements: Fire-Rated
   (2) ECL-600
   (3) ECL-445K Cylinders
   (1) F90KR Keyed Removable Mullion (3-hour fire-rated to 8'0" high)

• Door Stile - Fits minimum 5-3/4" with ECL-437K Strike (Std.)

• Door Stile - Fits maximum 1-7/8" with ECL-475 Kit

• Machine and Sheet Metal Screws (Std.)

• Optional Sex Nuts or Security Torx Screws Available

Riser Diagram
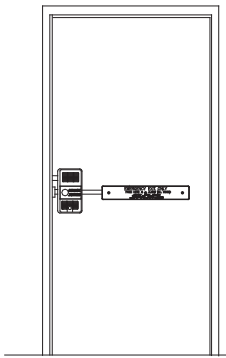
Single Door
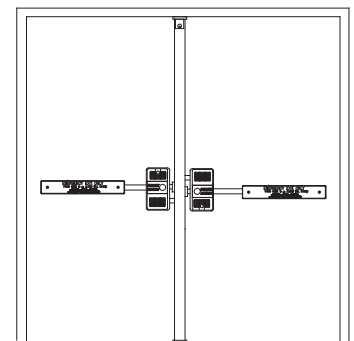
Double Doors
with
Key Removable
Mullion

Dimensions

Front View

Side View

|←—5 3/4"—→|←——— 24 1/8" ———→| |←—3 3/4"—→|

10 3/8"

10 3/8"
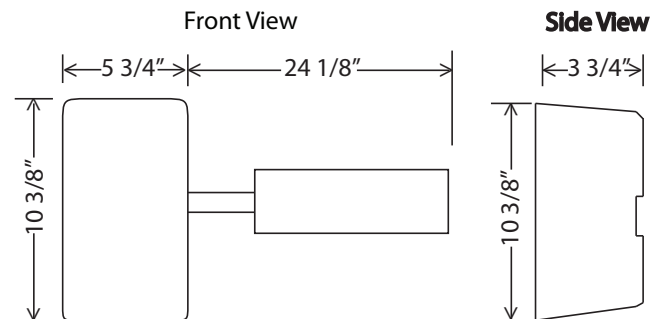
Listings and Approvals

 Fire Exit Hardware

 Meets ADA requirements

 Meets NFPA 80 & 101 for Life Safety, CA Title 19

 ANSI/BHMA requirements for all Building Codes

 California State Fire Marshal - 4140-0127:102

Detex Limited Warranty

10 Year Limited Manufacturer's Warranty

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EXIT CONTROL LOCKS
ACCESSORIES for ECL-230X SERIES

Detex makes a number of accessories available that allow the Exit Control Locks to be used in a wide range of applications. Below is a listing and description of these items.

	Item Number	Description and Use
	RC **(105771-X)**	**Rod Covers** Protects rods in high use, high abuse applications. Used with ECL-230X-TB, TD & TDB.
	BG **(103562)**	**Bottom Bolt Guard** Protects bottom bolt in high use, high abuse applications. Used with ECL-230X-TB & TDB.
	RC-BG **(105771-X)**	**Rod Covers & Bottom Bolt Guard** Protects rods & bottom bolt in high use, high abuse applications. Used with ECL-230X-TB & TDB.

BG

RC

- -

	DX1	**One hinge side lock** One hinge side locking point, keeps door secure even if hinge knuckles are removed. Used when higher level of security is required.
	DX2	**Two hinge side locks** Two hinge side locking points, keeps door secure even if hinge knuckles are removed. Used when higher level of security is required.
	DX3	**Three singe side locks** Three hinge side locking points, keeps door secure even if hinge knuckles are removed. Used when higher level of security is required.

DX1 shown

- -

	IP	**Inside Pull** Provides grip handle on inside of door, assists in pulling door closed and locking door

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Life Safety and Security Door Hardware

EXIT CONTROL LOCKS CONT'D
ACCESSORIES for ECL-230X SERIES
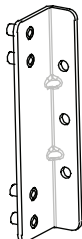
	Item Number	Description and Use
	DDSK	**Double Door Strike Bracket Kit** Mounts on inactive leaf. Typically used in conjunction with flush bolts or similar products in double door applications.
	DDH-2250	**Double Door Holder** Mounts on inactive leaf. Typically used on pairs of doors. Locks inactive leaf, when active leaf closes, operates similar to automatic flush bolts.
	105059-X	**Cover Lock Kit** Provides additional protection for battery protection. Requires main operational key and cover lock key to perform maintenance, change battery.
	RK	**ECL-230 Retrofit Plate Kit** Useful when removing an ECL-230D and installing an ECL-230X
	102638	**Rim Cylinder Plate** 03 function cylinder trim plate used on gates
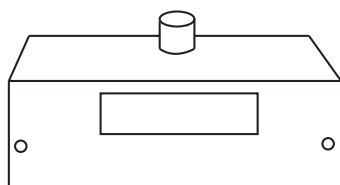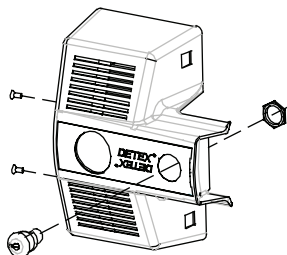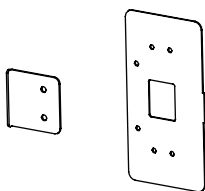
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Life Safety and Security Door Hardware

EXIT CONTROL LOCKS CONT'D
ACCESSORIES for ECL-230X SERIES

	Item Number	Description and Use
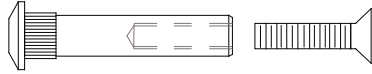
SN1

SN1
(101616-X)

Sex Nuts
Recommended for high use, high abuse applications
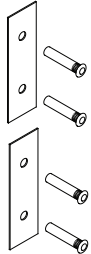
TMP1

TMP1

Through Bolt Mounting Plate Kit
Recommended for high use, high abuse applications. Kit is standard with two plates and four 1/4-20 sex bolts.
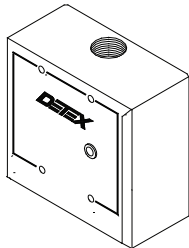
BE-961-1 shown

BE-961-1

Battery Eliminator
120VAC to 9VDC - includes 10' flex conduit (includes 120VAC to 12VAC transformer)

BE-961-2

Battery Eliminator
120VAC to 9VDC - includes 10' flex conduit with supervisory loop power, alarm and LED (includes 120VAC to 12VAC transformer)

BE-961-5

Battery Eliminator
12VAC to 9VDC - does not include transformer or flex conduit
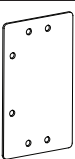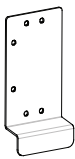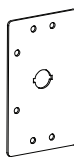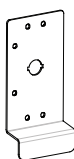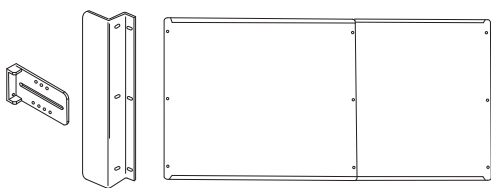
BE-961-6

Battery Eliminator
24VAC to 9VDC - does not include transformer or flex conduit

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EXIT CONTROL LOCKS CONT'D
ACCESSORIES for ECL-230X SERIES

	Item Number	Description and Use

01T

01T

Trim Plate
Does not include outside key control. Typically used to cover exterior holes on pull side of door.

01PP

01PP

Trim Pull Plate
Does not include outside key control. Typically used to pull door open while door is unlocked.

03T

03T

Trim Pull Plate
Requires rim cylinder, provides outside key control. Pull provided by others, supplied separately.

03PP

03PP

Trim Pull Plate
Requires rim cylinder, provides outside key control. Typically used to pull door open while door is unlocked.

- -

GTPL230X

Gate Plate
Adjustable gate plate fits gates 32" - 52" wide. Fits square or round gate frames. Comes with holes for mounting ECL-230X.

03GS

Cylinder Trim
Optional 03 function cylinder trim used on gates (Rim cylinder sold separate)

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Life Safety and Security Door Hardware

December 18, 2012

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EXIT CONTROL LOCKS
ACCESSORIES for ECL-230D SERIES and ECL-600

Detex makes a number of accessories available that allow the Exit Control Locks to be used in a wide range of applications. Below is a listing and description of these items.
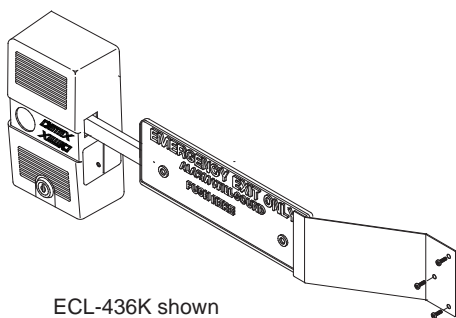
ECL-436K shown

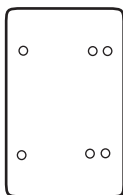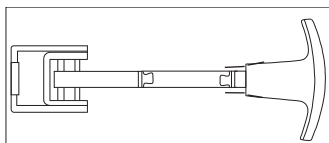| Item Number	Description and Use
ECL-436K	**Panic Bar Plate Guard Kit** Protects against clothing being caught on exit bar plate. Used with ECL-230D.
ECL-2100K	**Panic Bar Plate Guard Kit** Protects against clothing being caught on exit bar plate. Used with ECL-230D-PH and ECL-600 (Required)
ECL-475K	**Decorative Back Plate Kit** 5 19/32" W x 10 3/16" H x .045" thick. To improve the appearance of the back of an Exit Control Lock visible through glass on a narrow stile glass door.
ECL-498K	**Outside Pull and Warning Sign** Mounted on opposite face of door where conditions or regulations require that an emergency exit be openable from both sides. Alarm sounds when door is opened.
ECL-2105K	**Paddle Bar Kit (Retrofit)** Bar extension kit for 3.0' to 4.0' doors
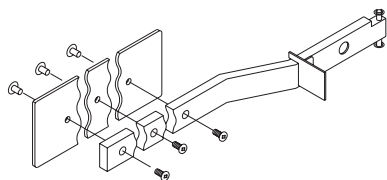
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Life Safety and Security Door Hardware

EXIT CONTROL LOCKS CONT'D
ACCESSORIES for ECL-230D SERIES and ECL-600
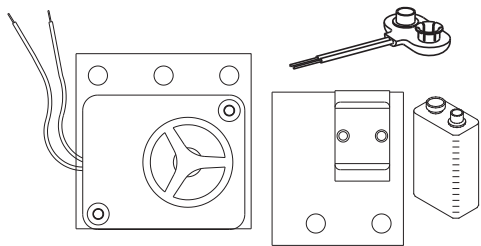
ECL-2111K

Siren/Battery Conversion Kit
For ECL-230C & D. Converts
ECL-230 6 volt lantern battery to 9
volt battery & siren

**Optional Captions for Exit Bar
Plates**

Standard exit bar plate includes
words "EMERGENCY EXIT ONLY".

EMERGENCY EXIT ONLY
PUSH HERE
ALARM WILL SOUND

ECL-8220

Item Number	Description
ECL-8220	English Exit Bar Plate Red (Standard)
ECL-8220-1	Green
ECL-8225-4	Spanish Exit Bar Plate Green
ECL-8225-8	Red
ECL-8225-6	Chinese/English Exit Bar Plate (Red)
ECL-8225-7	French Canadian Exit Bar Plate (Red)
ECL-8225-2	French Exit Bar Plate (Green)
ECL-8225-3	German Exit Bar Plate (Green)
ECL-2109	English Exit Bar Plate for Long Bar - ECL-230D-PH (Red)

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EXIT CONTROL LOCKS CONT'D
ACCESSORIES for ECL-230D SERIES and ECL-600

Single Door Mechanical Strikes for Inswinging and Outswinging Installations
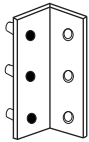
Item Number	Description and Use
ECL-435K	**Adjustable strike bracket, surface** For use on left hand, right hand inswinging doors or double doors with one door stationary using flush bolts or DDH-2250
ECL-439K	**Mortise strike** For use on outswinging doors
ECL-437K	**Adjustable strike, surface** For use on outswinging doors
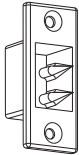
INSWINGING DOORS - LH, RH
ECL-435K adjustable strike bracket, surface

OUTSWINGING DOORS
ECL-439K mortise strike
ECL-437K adjustable strike, surface

* Price of lock includes a kit containing 439 and 437 strikes with required mounting screws. All other strikes must be ordered separately by number. There is an extra charge for strikes that are not included as part of the lock.

FOR INSWINGING INSTALLATIONS and DOUBLE DOOR APPLICATIONS without a MULLION

Frame
3/16 Reinforcing Plate (optional)
Door
435K Strike Bracket

FOR OUTSWINGING INSTALLATIONS

Frame
3/16 Reinforcing Plate (optional)
Door
437 Strike
439 Mortise Strike
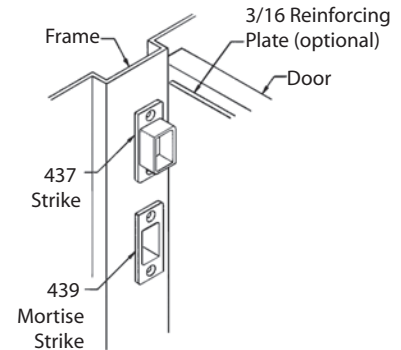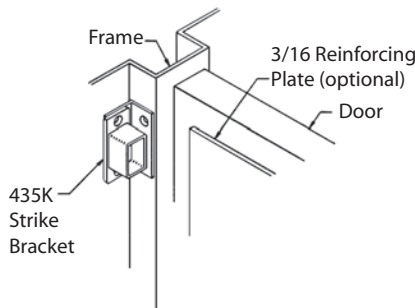
All bracket-mounted strikes include unique adjustable feature for proper installation alignment. All strikes supplied with wood and sheet metal mounting screws.

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Life Safety and Security Door Hardware

November 1, 2012

EXIT CONTROL LOCKS ACCESSORY
BE-961

Battery Eliminator

The BE-961 Battery Eliminator is designed to power security devices such as the Detex ECL-230D, ECL-230X Series, ECL-600 battery powered series exit control locks and V40 alarmed rim exit device without reliance on batteries. Converts AC power to DC for supplying battery-operated devices.

BE-961-1

BE-961-2
(For use with ECL products only)

Benefits

- Powers security devices without reliance on batteries

- Eliminating the need to annually change 9 volt batteries, saves money, prevents unnecessary battery disposal and creates a greener process

- May be installed on the wall adjacent to the protected door quickly and easily

- 10' Flexible armored cable connects the battery eliminator to the security device without interfering with door use

- LED provides visual status of power

- For extra security, the connecting cable may be concealed in the door using a continuous electric hinge

Features

- Available Battery Eliminator Power Supplies:

    BE-961-1 = Converts 120VAC to 9VDC
    Note: Powers up to three 9V battery devices)

    BE-961-2 = Converts 120VAC to 9VDC includes secure power / supervisory loop (cutting 9V power will sound alarm)
    Note: For use with ECL products only.

    BE-961-5 = Converts 12VAC to 9VDC
    Note: Conduit and transformer sold separately

    BE-961-6 = Converts 24VAC to 9VDC
    Note: Conduit and transformer sold separately

- The BE-961-2 includes an internal alarm which sounds at 95dB if the secure power feed wires are cut or when the ECL unit sounds (for use with ECL products only)
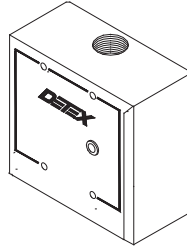
Technical Information

- 9VDC outputs, jumper selectable to the security device

- 12 VAC 25 VA transformer included - requires 120 VAC

- Line input transient suppression is a standard feature

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DETEX®
Life Safety and Security Door Hardware
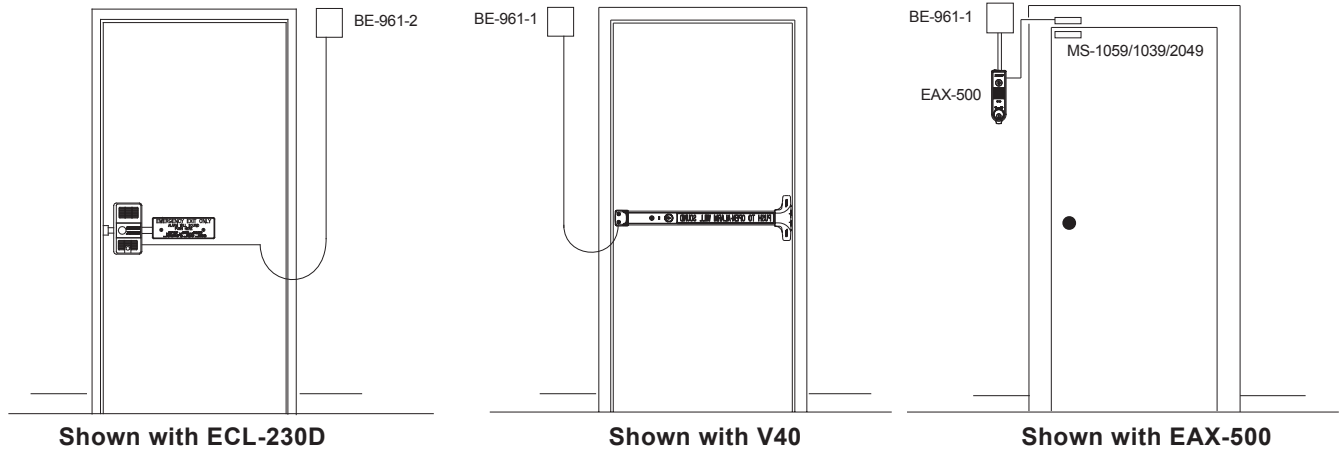
Dimensions

- 4-5/8" wide x 4-5/8" long x
  2" deep

- Standard cast aluminum case

Detex Limited Warranty

3 Year Limited Manufacturers
Warranty

Riser Diagram

BE-961-2

Shown with ECL-230D

BE-961-1

Shown with V40

BE-961-1

EAX-500

MS-1059/1039/2049

Shown with EAX-500

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DETEX®

Life Safety and Security Door Hardware

December 6, 2012

EXIT CONTROL LOCKS ACCESSORY
DDH-2250

Double Door Holder

The DDH-2250, Double Door Holder, is designed for use with Detex Exit Control Locks to provide locking of the inactive leaf on an outswinging double door. Release of the active leaf disengages the DDH-2250 allowing the inactive leaf to open freely.

Benefits

• Enables the Detex Exit Control Locks to be used with any wood, metal or glass double outswinging exit door

• Flexibility for mounting on either the left or right door

• Simple, easy operation - no mortise required

• Pushing the exit control lock opens the active leaf and automatically disengages the DDH-2250, providing instant emergency exit with both doors

Features

• Case hardened steel locking bolt

• Interchangeable pin

• Stainless steel spring providing instant release of lock bolt

• Cast housing of 3/16" durable zinc alloy

• Reversible for right or left hand doors

• 1/4" thick face plate

• Mounting kit contains, screws, allen wrench, strike plate, door protection plate and templates

Dimensions

• 7 1/8" long x 2 1/4" deep x 2 7/8" high
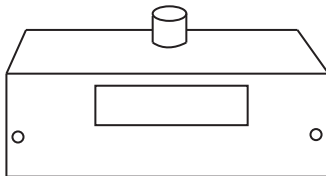
Detex Limited Warranty

3 Year Limited Manufacturers Warranty

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Life Safety and Security Door Hardware

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export@detex.com

October 23, 2012

DX BOLTS

DX1- Single Hinge Bolt / DX2 - Double Hinge Bolts / DX3 Triple Hinge Bolts

Hinge Side Locking Dead Bolt for Supplementary Protection

Providing hinge-side protection, the DX Bolt is an additional line of defense against break-ins. Even if the exterior door hinges are compromised the DX Bolts keep your door locked and secure. These passive deadbolts are easy-to-install and offer another layer of attack resistance. DX Bolts can be added to most applications, providing code compliant, economical, multipoint locking security. DX Bolts are available for use with all Detex panic hardware.
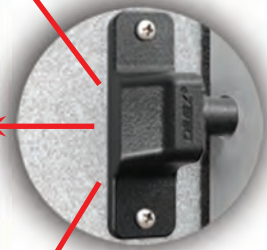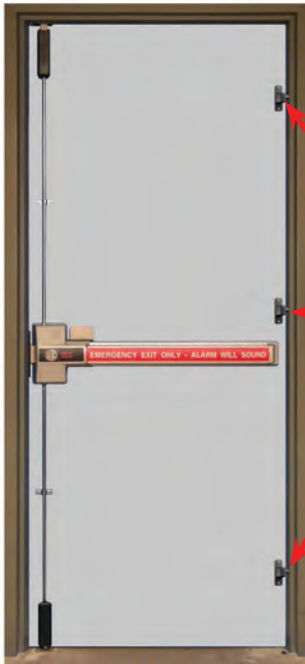
Shown here with:
ECL-230X-TDB-DX3
6 point lock

Benefits

- Provides additional line of defense against break-ins

- Attack-resistant design keeps door locked and secure to deter against burglaries

- Adds additional locking points, improving holding strength to slow down crowbar attacks

- Even if the hinges are cut off, the door remains locked and secure

- Easy-to-install design provides secure and accurate bolt engagement every time

- Through-bolt mounting installation improves holding strength

Features

- Can be added to almost any out-swing door application

- You choose the right level of protection with kits of 1 bolt, 2 bolts or 3 bolts

- Non-handed

- Add DX bolts to any Detex multi-point lock to create 4 point, 5 point and 6 point locking panic hardware

- Kits include through-bolt mounting hardware

- One piece stainless construction provides superior holding strength

- Excellent for exterior applications or doors that get wet

Where Trust is Built™

DETEX®
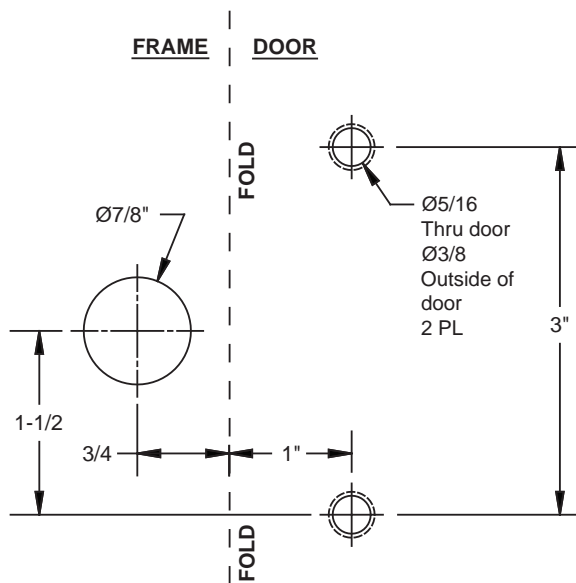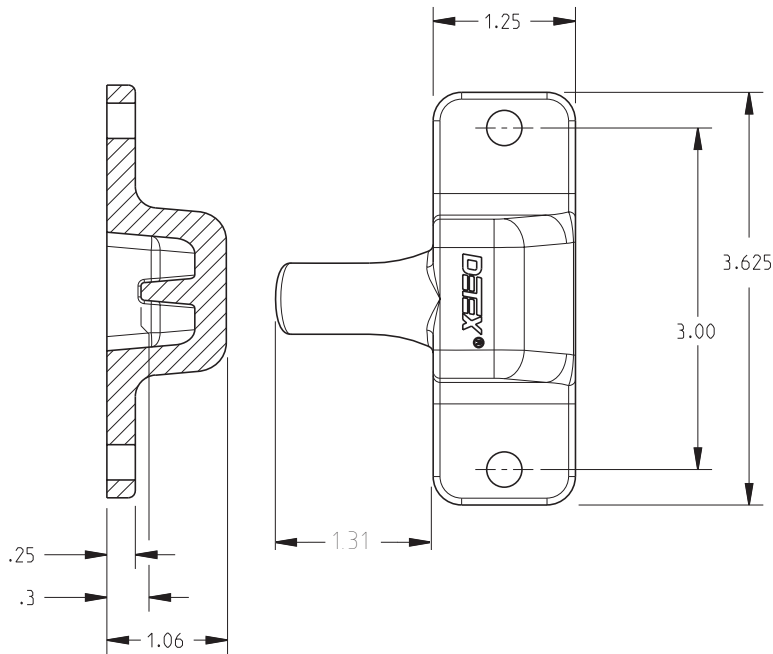*Life Safety and Security Door Hardware*

Technical Information

- Door Types - Hollow Metal, Fiberglass or Aluminum
- Door Thickness - Fits standard 1-3/4" - 2-1/4" (for other door thicknesses contact factory)
- Machine Screws with Sex Nut fasteners (Std.)

Finishes

- Available in Steel Gray (GRY) - standard Steel
- Available in Painted Black (BLK)

Dimensions

1.25

3.625

3.00

1.31

.25

.3

1.06

FRAME | DOOR

FOLD

Ø7/8"

Ø5/16 Thru door
Ø3/8 Outside of door
2 PL

3"

1-1/2

3/4

1"

FOLD

July 18, 2013

VERTICAL ROD ASSEMBLIES
VRA-143 SERIES
for Detex Exit Control Lock Systems (230 Series)

A Vertical Rod Assembly (VRA) is used with a Detex Exit Control Lock (ECL-230D) to provide exit control security on outswinging double doors. In addition it may be used on a single door installation to provide top and bottom latching instead of the single point latching provided by the Exit Control Lock itself.

*For ECL-230X VRA options, see 230X Series

Benefits

- 2 point locking provides extra security

- 3 versions to suit most conditions

- Surface applied - no mortise required for easy installation

- Automatically released when the ECL-230 device is activated

Features

- Heavy duty 3/8" diameter bolts

- VRA-143B secures a single or a pair of doors with one ECL-230D Series Lock, allowing outside access to the active door

- 2 VRA-143C assemblies hold a pair of doors with 2 ECL-230D Series locks, allowing outside access to the active door

- 2 VRA-143D assemblies hold a pair of doors with 2 ECL-230D series locks & permit independent operation of each leaf

- Non-handed
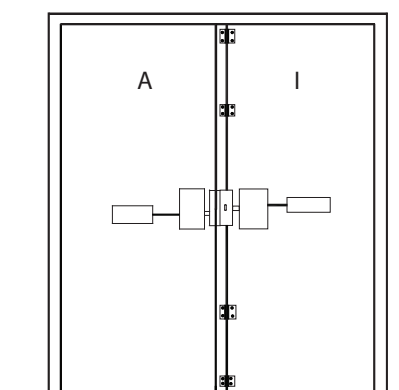
- Sizes accommodate 80" - 120" doors

Riser Diagram

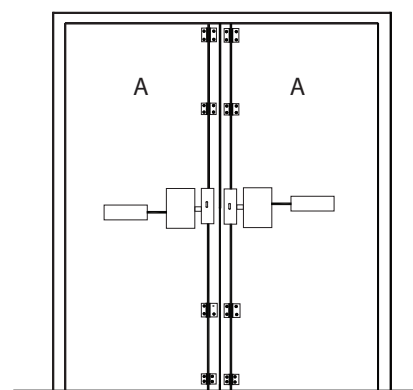I = Inactive Leaf   A = Active Leaf   A = Active Leaf   I = Inactive Leaf   A = Active Leaf
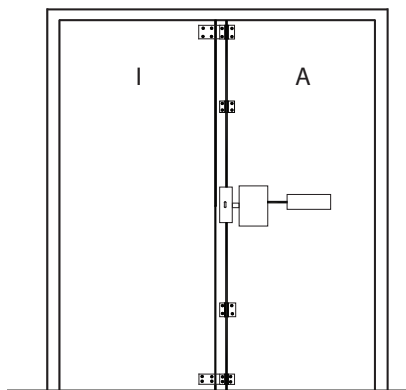
Type "B"   Type "C"   Type "D"

Mechanical Options

- Option B (std) - Active leaf opens both

- Option C - Active leaf opens first; Inactive leaf remains locked until ECL-230D is activated

- Option D - Each leaf independent

- Door Heights - 84" (std) Special 85" to 96" and over 96"

Accessories

- ECL-230D

- ECL-230D-PH

- ECL-436K Bar Guard Kit (for use with ECL-230D)

- ECL-2100K Bar Guard Kit (for use with ECL-230D-PH)

- RC65 - Rim Cylinder

- ECL-1595 - Standard cylinder collar for ECL-230D or ECL-230D-PH

- DX Bolts for hinge locking

Technical Information

- Bolts - case hardened, heat treated and zinc plated

- Rods - steel, zinc plated

- Housing - steel, zinc plated

Listings and Approvals

c(UL)us
LISTED

"U.L. Listed Exit Hardware"

Detex Limited Warranty

3 Year Limited Manufacturers Warranty

Where Trust is Built ™

DETEX ®

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