inox®

Engineered Beautifully

ANSI/BHMA GRADE 1
EXIT DEVICES

ED93 Series

ED70 Series

ED81 Series

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ED93 Series

ED70 Series

ED81 Series

RIM HEAVY DUTY EXIT DEVICE ED93/ED93F
ANSI Grade 1
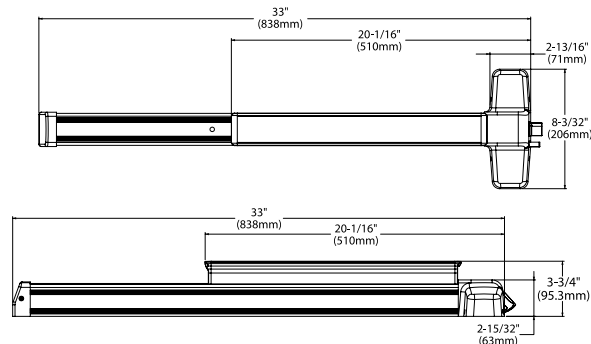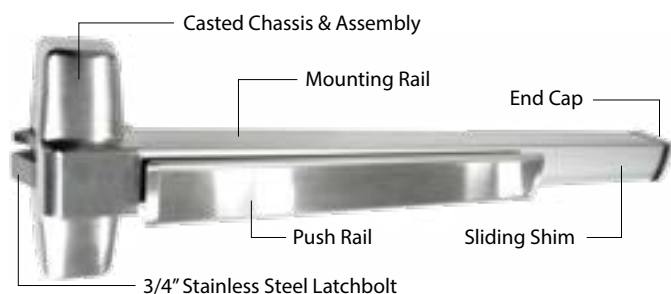
- Casted Chassis & Assembly
- Mounting Rail
- End Cap
- Push Rail
- Sliding Shim
- 3/4" Stainless Steel Latchbolt

33" (838mm) — 20-1/16" (510mm) — 2-13/16" (71mm) — 8-3/32" (206mm)

33" (838mm) — 20-1/16" (510mm) — 3-3/4" (95.3mm) — 2-15/32" (63mm)

SPECIFICATIONS

Device Functions	Trim available separately
Device Lengths	3': 2'2" to 3' (660mm to 914mm) 4': 2'9" to 4' (838mm to 1219mm)
Strikes	Dull Black Rim Strike (EDLSR-239)
Dogging Feature	Hex Key Dogging available on Non-Fire Rated devices only
Dogging Options	Cylinder Dogging kits available
Electric Options	Alarm Kit 36" and 48" available
Miscellaneous	GBK Glass Bead Kit
Fasteners & Sex Bolts	Furnished with wood & machine screws. Thru-bolts standard on Fire-Rated devices
Latch Bolt	Stainless Steel 3/4" (19mm) throw
Device Centerline from Finished Floor	41" (1041mm)
Center Case Dimensions	8-3/32" x 2-13/16" x 2-15/32" (206mm x 71mm x 63mm)
Mechanism Case Dimensions	2-3/16" w x 1-15/16" (55.4mm x 49.1mm)
Pushbar Projections	Neutral 3-3/4" (95.3mm) Depressed 2-15/16" (74.5mm)

APPLICATION AND FEATURES

INOX ED93 and ED93F Rim Exit Devices meet ANSI A156.3 Grade 1 standards, are UL listed for Panic and Fire Exit hardware, and will install on a standard 161 cutout. They are ideal for most single door applications or double doors using a mullion.

Non-handed with a universal design, ED93 and ED93F easily retrofit the Von Duprin 99 series installation when paired with INOX Exit Device trim.

CODE COMPLIANCE

ANSI/BHMA A156.3 Grade 1 Exit Devices
ANSI/BHMA A156.29 Exit Lock and Alarm
UL Listed for ANSI/UL10B and UL10C, CAN/ULC S104 up to 3 Hours
UBC Standard 7-2 (1997) NFPA 252
ANSI/UL 305 and CAN/ULC-S132
NFPA 80 National Fire Protection - Fire Door Assembly
NFPA101 National Fire Protection - Life Safety
ANSI/BHMA A156.18 Finishes
ANSI A117.1 ADA Accessibility
Electrification - ANSI/UL634, ANSI/UL294, ANSI/UL10C

Description	Part Number	Standard Finish
RIM Exit Device, 36"	**ED93-RIM36**	26D Satin Chrome
Fire Rated RIM Exit Device, 36"	**ED93F-RIM36**	19G Graphite Black DU Duro/Dark Bronze Painted
RIM Exit Device, 48"	**D93-RIM48**	26D Satin Chrome
Fire Rated RIM Exit Device, 48"	**ED93F-RIM48**	19G Graphite Black DU Duro/Dark Bronze Painted

For additional finish options not listed, contact Sales Department for MOQ and lead times

SURFACE MOUNTED VERTICAL ROD ED93-SVR/ED93F-SVR
ANSI Grade 1

APPLICATION AND FEATURES

INOX ED93-SVR and ED93F-SVR Surface Mounted Vertical Rod Exit Devices meet ANSI A156.3 Grade 1 standards and are UL listed for Panic Exit Hardware. With a universal design, the Exit Devices will install on a standard 161 cutout and easily retrofits the Von Duprin 99 series when paired with INOX Exit Device trim.

INOX ED93-SVR and ED93F-SVR Exit Devices are perfect for most single and double door applications.

CODE COMPLIANCE

ANSI/BHMA A156.3 Grade 1 Exit Devices
ANSI/BHMA A156.29 Exit Lock and Alarm
UL Listed for ANSI/UL10B and UL10C, CAN/ULC S104 up to 3 Hours
UBC Standard 7-2 (1997) NFPA 252
ANSI/UL 305 and CAN/ULC-S132
NFPA 80 National Fire Protection - Fire Door Assembly
NFPA101 National Fire Protection - Life Safety
ANSI/BHMA A156.18 Finishes
ANSI A117.1 ADA Accessibility
Electrification - ANSI/UL634, ANSI/UL294, ANSI/UL10C

SPECIFICATION

Device Functions	Trim available separately
Device Lengths	3': 2'2" to 3' (660mm to 914mm) 4': 2'9" to 4' (838mm to 1219mm
Strikes	Top Dull Black (EDLSR-227) Bottom Dull Black (EDLSR-233 & EDLSR-221)
Fire Rated Strikes	Top Dull Black (EDLSR-245) Bottom Dull Black (EDLSR-233)
Dogging Feature	Hex Key Dogging available on Non-Fire Rated devices only
Dogging Options	Cylinder Dogging available on complete devices only, not as separate kits
Electric Options	Alarm Kit 36" and 48" available
Miscellaneous	GBK Glass Bead Kit
Fasteners & Sex Bolts	Furnished with wood & machine screws. Thru-bolts standard on Fire Rated devices
Device Centerline from Finished Floor	41" (1041mm)
Center Case Dimensions	8-3/32" x 2-13/16" x 2-15/32" (206mm x 71mm x 63mm)
Mechanism Case Dimensions	2-3/16" w x 1-15/16" (55.4mm x 49.1mm) Top & Bottom Latch Case Standard: 3-15/16" x 2-1/8" x 1-3/8" (100mm x 54mm x 35mm) Fire Rated: 3-15/16" x 2-11/16" x 2-1/16" (100mm x 68mm x 52mm)
Vertical Rods	36": Top Rod - 43-1/4" (1099mm) Bottom Rod - 37-3/4" (959mm) 48": Top Rod - 56-1/16" (1424mm) Bottom Rod - 37-3/4" (959mm)
Pushbar Projections	Neutral 3-3/4" (95.3mm) Depressed 2-15/16" (74.5mm)

Description	Part Number	Standard Finish
Surface Vertical Rod, 36" x 84", Fire Rated	**ED93F-SVR3648**	26D Satin Chrome 19G Graphite Black DU Duro/Dark Bronze Painted

For additional finish options not listed, contact Sales Department for MOQ and lead times
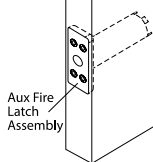
LESS BOTTOM ROD ED93-LBR/ED93F-LBR
ANSI Grade 1

APPLICATION AND FEATURES

INOX ED93-LBR and ED93F-LBR Less Bottom Rod Exit Devices use a spring-loaded auxiliary latch bolt in the lower door edge, providing free access for wheelchairs and stretchers.

Meeting ANSI A156.3 Grade 1 standards and UL listed for Panic Exit Hardware, the Exit Devices are suitable for all double doors and install easily with a standard 161 cutout. Their non-handed, universal design allows them to retrofit the Von Duprin 99 series installation when paired with INOX Exit Device trim.

Aux Fire Latch Assembly

CODE COMPLIANCE

ANSI/BHMA A156.3 Grade 1 Exit Devices
ANSI/BHMA A156.29 Exit Lock and Alarm
UL Listed for ANSI/UL10B and UL10C, CAN/ULC S104 up to 3 Hours
UBC Standard 7-2 (1997) NFPA 252
ANSI/UL 305 and CAN/ULC-S132
NFPA 80 National Fire Protection - Fire Door Assembly
NFPA101 National Fire Protection - Life Safety
ANSI/BHMA A156.18 Finishes
ANSI A117.1 ADA Accessibility
Electrification - ANSI/UL634, ANSI/UL294, ANSI/UL10C

SPECIFICATION

Device Functions	Trim available separately
Device Lengths	3': 2'2" to 3' (660mm to 914mm) 4': 2'9" to 4' (838mm to 1219mm)
Strikes	Top Dull Black Strike (EDLSR-245)
Dogging Feature	Hex Key Dogging available on Non-Fire Rated devices only
Dogging Options	Cylinder Dogging kits available
Electric Options	Alarm Kit 36" and 48" available
Miscellaneous	GBK Glass Bead Kit
Fasteners & Sex Bolts	Furnished with wood & machine screws. Thru-bolts standard on Fire Rated devices
Latch Bolt	Stainless Steel 3/4" (19mm) throw
Device Centerline from Finished Floor	41" (1041mm)
Center Case Dimensions	8-3/32" x 2-13/16" x 2-15/32" (206mm x 71mm x 63mm)
Mechanism Case Dimensions	2-3/16" w x 1-15/16" (55.4mm x 49.1mm) Top & Bottom Latch Case Standard Panic: 3-15/16" x 2-1/8" x 1-3/8" (100mm x 52mm x 42mm) Fire Rated: 3-15/16" x 2-11/16" x 2-1/16" (100mm x 68mm x 52mm)
Vertical Rods	36": Top Rod - 43-1/4" (1099mm) 48": Top Rod - 56-1/16" (1424mm)
Pushbar Projections	Neutral 3-3/4" (95.3mm) Depressed 2-15/16" (74.5mm)

Description	Part Number	Standard Finish
Less Bottom Rod, 36" x 84", Fire Rated	**ED93F-LBR3648**	32D Satin Stainless Steel

For additional finish options not listed, contact Sales Department for MOQ and lead times

HEAVY DUTY MORTISE DEVICE ED93-MED/ED93F-MED
ANSI Grade 1

SPECIFICATIONS

Device Functions	MED for Exit Only MED08 for Entry MED09 for Storeroom MED14 for Passage
Device Lengths	3': 2'2" to 3' (660mm to 914mm) 4': 2'9" to 4' (838mm to 1219mm)
Strikes	Standard ANSI Strike
Dogging Options	Hex Key Dogging available on Non-Fire Rated Devices Only
Electric Options	Alarm Kit 36" and 48" available
Miscellaneous	GBK Glass Bead Kit
Fasteners & Sex Bolts	Furnished with wood & machine screws
Mortise Lock	Grade 1 for 1-3/4" thick doors, reversible, 2-3/4" backset
Device Centerline from Finished Floor	41" (1041mm)
Center Case Dimensions	8-3/32" x 2-13/16" x 2-15/32" (206mm x 71mm x 63mm)
Mechanism Case Dimensions	2-3/16" w x 1-15/16" (55.4mm x 49.1mm)
Pushbar Projections	Neutral: 3-3/4" (95.3mm) Depressed: 2-15/16" (74.5mm)

APPLICATION AND FEATURES

INOX ED93-MED and ED93F-MED Mortise Exit Devices are designed to provide superior, long-lasting service for most single door applications or on double doors when open-backed strikes are used.

The Mortise Exit Devices are UL listed for Fire Exit Hardware and meet ANSI A156.3 Grade 1 standards.

Installed on a standard 86 pocket prep, the Mortise Exit Devices are non-handed with a universal design that allows them to easily retrofit the Von Duprin 99 series installation when paired with INOX Exit Device trim.

CODE COMPLIANCE

ANSI/BHMA A156.3 Grade 1 Exit Devices
ANSI/BHMA A156.29 Exit Lock and Alarm
UL Listed for ANSI/UL10B and UL10C, CAN/ULC S104 up to 3 Hours
UBC Standard 7-2 (1997) NFPA 252
ANSI/UL 305 and CAN/ULC-S132
NFPA 80 National Fire Protection - Fire Door Assembly
NFPA101 National Fire Protection - Life Safety
ANSI/BHMA A156.18 Finishes
ANSI A117.1 ADA Accessibility
Electrification - ANSI/UL634, ANSI/UL294, ANSI/UL10C

Description	Part Number	Standard Finish
Entry Mortise Exit Device, 36", Fire Rated	**ED93F-MED0836**	32D Satin Stainless Steel

For additional finish options not listed, contact Sales Department for MOQ and lead times
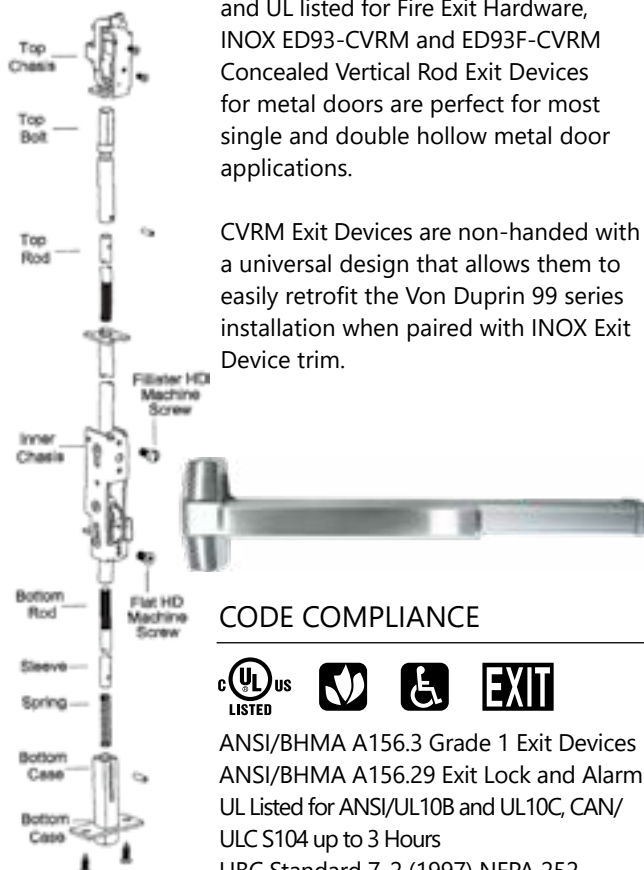
CONCEALED VERTICAL ROD ED93-CVRM/ED93F-CVRM
ANSI Grade 1

APPLICATION AND FEATURES

Meeting ANSI A156.3 Grade 1 standards and UL listed for Fire Exit Hardware, INOX ED93-CVRM and ED93F-CVRM Concealed Vertical Rod Exit Devices for metal doors are perfect for most single and double hollow metal door applications.

CVRM Exit Devices are non-handed with a universal design that allows them to easily retrofit the Von Duprin 99 series installation when paired with INOX Exit Device trim.

CODE COMPLIANCE

ANSI/BHMA A156.3 Grade 1 Exit Devices
ANSI/BHMA A156.29 Exit Lock and Alarm
UL Listed for ANSI/UL10B and UL10C, CAN/ULC S104 up to 3 Hours
UBC Standard 7-2 (1997) NFPA 252
ANSI/UL 305 and CAN/ULC-S132
NFPA 80 National Fire Protection - Fire Door Assembly
NFPA101 National Fire Protection - Life Safety
ANSI/BHMA A156.18 Finishes
ANSI A117.1 ADA Accessibility
Electrification - ANSI/UL634, ANSI/UL294, ANSI/UL10C

SPECIFICATION

Device Functions	Trim available separately
Device Lengths	3': 2'2" to 3' (660mm to 914mm) 4': 2'9" to 4' (838mm to 1219mm)
Strikes	Top Dull Black (EDLSR-260) Bottom Dull Black (EDLSR-265)
Dogging Options	Hex Key Dogging available on Non-Fire Rated Devices Only
Electric Option	Alarm Kit 36" and 48" available
Miscellaneous	GBK Glass Bead Kit
Fasteners & Sex Bolts	Furnished with wood & machine screws
Latch Bolt	Stainless Steel 3/4" (19mm) throw
Device Centerline From Finished Floor	41" (1041mm)
Center Case Dimensions	8-3/32" x 2-13/16" x 2-15/32" (206mm x 71mm x 63mm)
Mechanism Case Dimensions	2-3/16" w x 1-15/16" (55.4mm x 49.1mm)
Top & Bottom Latch Case	Standard Panic: 3-15/16" x 2-1/8" x 1-3/8" (100mm x 52mm x 42mm) Fire-Rated: 3-15/16" x 2-11/16" x 2-1/16" (100mm x 68mm x 52mm)
Vertical Rods	36": Top Rod: 43-1/4" (1099mm) Bottom Rod: 37-3/4" (959mm) 48" Top Rod: 56-1/16" (1424mm) Bottom Rod: 37-3/4" (959mm)
Pushbar Projections	Neutral: 3-3/4" (95.3mm) Depressed: 2-15/16" (74.5mm)

Description	Part Number	Standard Finish
Concealed Vertical Rod for Metal Doors, 36", Fire Rated	**ED93F-CVRM3684**	32D Satin Stainless Steel

For additional finish options not listed, contact Sales Department for MOQ and lead times
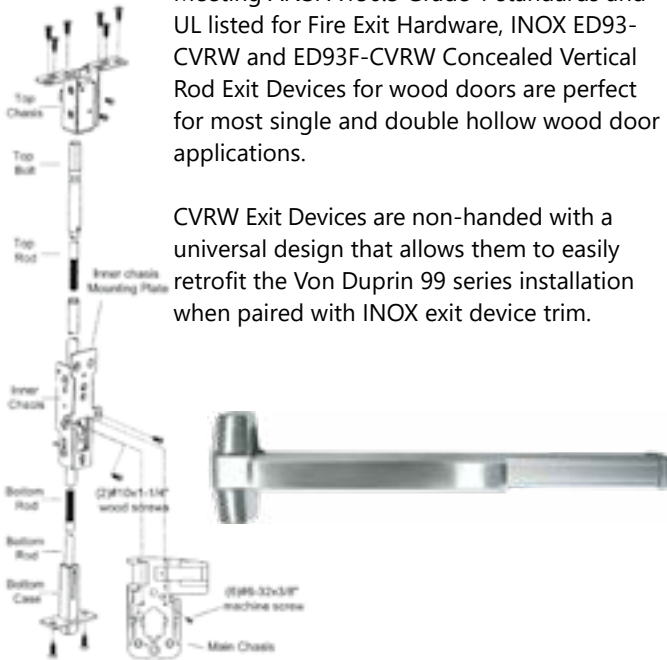
CONCEALED VERTICAL ROD ED93-CVRW/ED93F-CVRW
ANSI Grade 1

APPLICATION AND FEATURES

Meeting ANSI A156.3 Grade 1 standards and UL listed for Fire Exit Hardware, INOX ED93-CVRW and ED93F-CVRW Concealed Vertical Rod Exit Devices for wood doors are perfect for most single and double hollow wood door applications.

CVRW Exit Devices are non-handed with a universal design that allows them to easily retrofit the Von Duprin 99 series installation when paired with INOX exit device trim.

CODE COMPLIANCE

ANSI/BHMA A156.3 Grade 1 Exit Devices
ANSI/BHMA A156.29 Exit Lock and Alarm
UL Listed for ANSI/UL10B and UL10C, CAN/ULC S104 up to 3 Hours
UBC Standard 7-2 (1997) NFPA 252
ANSI/UL 305 and CAN/ULC-S132
NFPA 80 National Fire Protection - Fire Door Assembly
NFPA101 National Fire Protection - Life Safety
ANSI/BHMA A156.18 Finishes
ANSI A117.1 ADA Accessibility
Electrification - ANSI/UL634, ANSI/UL294, ANSI/UL10C

SPECIFICATION

Device Functions	Trims available separately
Device Lengths	3': 2'2" to 3' (660mm to 914mm) 4': 2'9" to 4' (838mm to 1219mm)
Strikes	Top Dull Black (EDLSR-260) Bottom Dull Black (EDLSR-265)
Dogging Options	Hex Key Dogging available on Non-Fire Rated Devices Only
Electric Options	Alarm Kit 36" and 48" available
Miscellaneous	GBK Glass Bead Kit
Fasteners & Sex Bolts	Furnished with wood & machine screws
Latch Bolt	Stainless Steel 3/4" (19mm) throw
Device Centerline from Finished Floor	41" (1041mm)
Center Case Dimensions	8-3/32" x 2-13/16" x 2-15/32" (206mm x 71mm x 63mm)
Mechanism Case Dimensions	2-3/16" w x 1-15/16" (55.4mm x 49.1mm)
Top & Bottom Latch Case	Standard Panic: 3-15/16" x 2-1/8" x 1-3/8" (100mm x 54mm x 35mm) Fire-Rated: 3-15/16" x 2-11/16" x 2-1/16" (100mm x 68mm x 52mm)
Vertical Rods	36": Top Rod: 43-1/4" (1099mm) Bottom Rod: 37-3/4" (959mm) 48": Top Rod: 56-1/16" (1424mm) Bottom Rod: 37-3/4" (959mm)
Pushbar Projections	Neutral: 3-3/4" (95.3mm) Depressed: 2-15/16" (74.5mm)

Description	Part Number	Standard Finish
Concealed Vertical Rod for Wood Doors, 36" , Fire Rated	**ED93F-CVRW3684**	32D Satin Stainless Steel

For additional finish options not listed, contact Sales Department for MOQ and lead times

ED93 ELECTRIFICATION
Motor Driven Latch Retraction Exit Device-ED93 QLR

APPLICATION

Electric Latch Retraction feature allows for remote unlatching of exit device. It gives remote keyless access control in high traffic conditions where exit devices are required, such as hospitals, airports and schools. They are also commonly used with automatic door operators

The ED93 Motor Driven latch retraction (QLR) exit device uses electronic motor technology, which allows faster, quieter and smoother latch pullback compared to the solenoid activated latch retraction

Motor technology use a substantially lower pulse of current (compared to solenoid activated devices) to retract latch bolt, and using even less power to hold them retracted. It's a perfect choice for hospitals, libraries and any area that requires reduced noise

SPECIFICATIONS

Voltage Range	22 to 30V DC system protection (unit shuts down when voltage exceeds 30V DC)
Current Draw	1 A for 400ms, 125mA holding (dogged) thereafter electronic travel adjustment approximately 1/4"

FUNCTION

ED93 Exit device with QLR retracts the latch bolt by power either momentarily or for extended periods of time, allowing for outside access or auto operator integration. When power is out, the device and latch are secured (Fail Secure). Inside push pad of exit device always allows for emergency egress

Motor driven electric latch retraction (QLR) function is available for ED93 Series Rim, SVR and mortise devices

FEATURES

Fast, quiet and smooth operation
Low surge current draw
Improved efficiency and strength
Electric dogging
6' power cable with quick connect
Up to 300' wire run with 18/2 wire, provide cost savings by using less power supplies for multiple devices
Compatible with most 24V DC, 1A (or greater) regulated power supplies. Please see page 14 for power supply options, order separately
On board self-diagnostics

SWITCHES

A variety of monitoring switches are available for INOX ED93 exit devices. All switches are SPDT (single pull, double throw) and available for the following applications either installed with ED93 exit device or as kits

REX - Request-to-Exit Switch
Request-to-Exit switch sends a signal to alert the control panel that the door is about to be opened by someone intending on entering a secured area

LBM - Latchbolt Monitor Switch
Latchbolt Monitor switch sends a signal to control panel to monitor the position of latchbolt

ELECTRIFIED EXIT ESCUTCHEON TRIM

APPLICATION

Electrified exit escutcheon trim allows outside lever locked or unlocked electronically for access control. It is commonly used for stairwell or access-restricted areas with conditions where fire/life safety codes require a "fail safe" condition, which is not an option with electrified latch retraction devices

SPECIFICATIONS

Voltage requirement: 12V AC/DC or 24V AC/DC
Amperage: 250mA@12V or 150mA@24V

SWITCH

REE- Request to Enter Switch

Request to Enter (REE) Switch can be added to the ED93 escutcheon trim. It is a SPDT (single pull, double throw) switch that sends a signal to alert the control panel that the door is about to be opened by someone intending on entering a secured area

FEATURES

Continuous duty solenoids for cooler operation during continuous-on applications
Standard plug-in rectifier allows for an AC or DC power source
Low current draw

FUNCTIONS

EDES07NL-EL
Storeroom Electronically Locked (Fail Safe)
Outside lever LOCKED electronically (EL). Switched power (de-energized) allows outside lever to retract latch. Loss of power will cause outside lever unlocked (Fail Safe). Outside key momentarily unlocks outside lever to retract latch. Inside push pad of exit device is always free for immediate egress

EDES07NL-EU
Storeroom Electronically Unlocked (Fail Secure)
Outside lever UNLOCKED electronically (EU). Switched power (de-energized) locks outside lever. Loss of power will cause outside lever locked (Fail Secure). Outside key momentarily unlocks outside lever to retract latch. Inside push pad of exit device is always free for immediate egress

OPTIONS

CRU12i - Current Reduction Unit

A current reduction unit is recommended in "continuously on" applications to reduce heat and extend solenoid life The unit intelligently detects 12V to 30V AC/DC input voltages and converts it to a dynamic voltage to power a 12V DC solenoid efficiently. This eliminates the need for manual current adjustment, and increase the life of solenoid. Energizes 12V locking devices only

EXIT ALARM KITS & CYLINDER DOGGING KIT

EXIT ALARM KIT - EDALM

INOX Alarm Kit for ED93 Series has an internal horn that will sound once the push bar has been depressed, signaling that the door has been opened. Alarm is powered by a 9 volt battery and will sound horn intermittently when battery is low. Device includes a standard 1-1/4", "C" keyway mortise cylinder to operate shut-off switch

CYLINDER DOGGING EXIT DEVICE

INOX Cylinder dogging is available for Non-Fire-rated devices. Mortise Cylinder 1-1/4" included. Add "-CD" to Exit Device standard item code

GLASS BEAD SHIM KITS

EDGBK70R
For Rim Device, 1/8" Thick

EDGBK70F
For Fire Device, 1/8" Thick
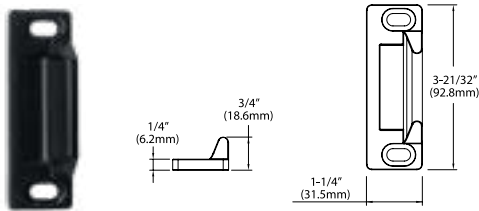
EDGBK70V
For Vertical Device, 1/8" Thick

When glass bead shims are used, outside trim may require longer spindle and thru-bolts
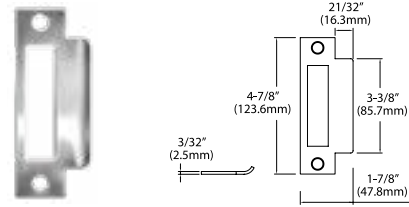
OPTIONAL EXIT DEVICE STRIKES AND FILLERS

STRIKES

EDLSR-239
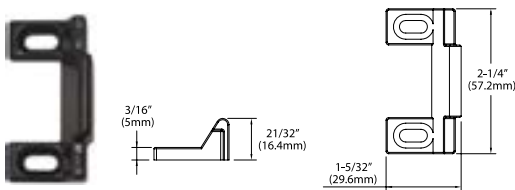Strike for ED93/ED93F Rim Exit Device

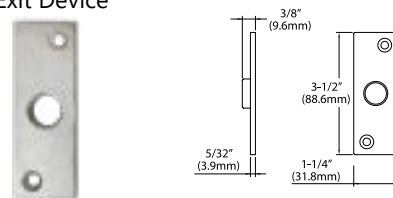### EDLSR-ASA
Strike for ED93/ED93F Mortise Exit Device

EDLSR-227
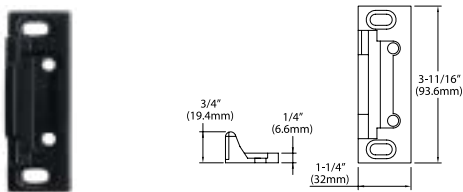Top Strike for ED93-SVR Vertical Rod Exit Device

EDLSR-260
Top Strike for ED93F-CVRM/ED93F-CVRW Concealed Vertical Rod Exit Device

EDLSR-245
Top Strike for ED93F-SVR Vertical Rod Exit Device
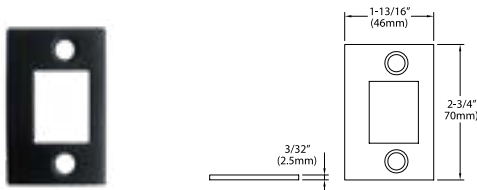

EDLSR-265
Bottom Strike for ED93-CVRM/ED93F-CVRM/ED93-CVRW/ ED93F-CVRW Concealed Vertical Rod Exit Devices
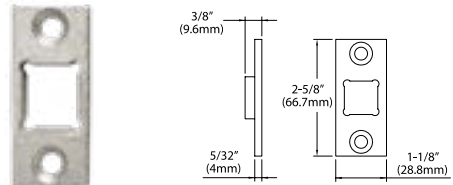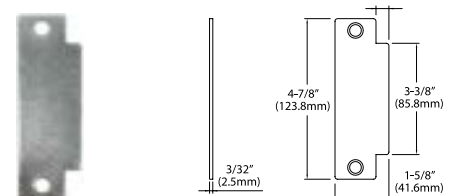

EDLSR-233
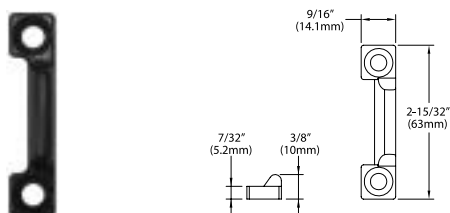Bottom Strike for ED93-SVR/ED93F-SVR Vertical Rod Exit Device

EDSF
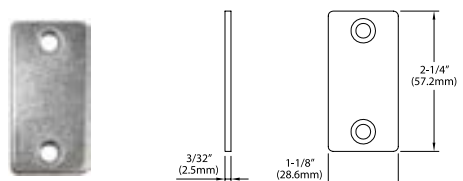Strike Filler for ED93/ED93F Rim Exit Device (EDSF)

EDLSR-221
Bottom Strike for ED93-SVR Vertical Rod Exit Device

EDLFF
Lock Front Filler for ED70/ED70F Rim Exit Device (EDLFF)

POWER TRANSFER

CONCEALED ELECTRIC POWER TRANSFERS

ELEPT

INOX Concealed Electric Power Transfer Devices provide a secure means of transferring power for exit devices, locks, and signal wires from the frame to the door. These devices are completely concealed when the door is closed and are ideal for heavy traffic areas that require higher security to prevent tampering and abuse

CONCEALED POWER TRANSFER LOOP

ELCPTL

INOX Concealed Power Transfer Loop is a frame mortised device for use on a hollow metal frame. The device consists of a steel dust box and a flexible steel loop

POWER TRANSFER HINGES

ELPTH

INOX Power Transfer Hinges are ideal for passing low voltage power from the hinge jamb to the lockset without any exposed wiring. For use with latch pull back devices, electric mortise, electric strikes (on a pair of doors), and cylindrical locksets

CONCEALED DOOR LOOPS

ELCDL   **ELCDL34**
                             (For 3/4" offset pivot)

The INOX Concealed Door Loop is a cost-efficient method for transferring low voltage electricity from the frame of the door to the locking device. These door loops are completely concealed once the door is closed. Concealed door loops are also available for 3/4" offset pivot

SURFACE DOOR LOOPS

ELSDL

INOX surface mounted door loops offers a safe method to transfer power when it is not possible to conceal a door loop

POWER SUPPLY INX-ELPS
4-Output Hardware Power Supply

SPECIFICATION

Input Voltage	120 VAC, 60 Hz Input Fuse: 2 Amp Fuse @250 VAC
Output Voltage	4A @ 24V DC 4 Solid State I/Os 1.5A auto-resetting fused outputs Over-voltage protection Output voltage trim pot
Battery Backup	Regulated, independent battery charging with automatic uninterrupted backup circuit. Battery cables included and requires 2 12V DC 7 AH batteries (not included)
Fire Alarm	Includes Fire Alarm link
LED Indicators	Red (AC Power), Green (DC Output), Orange (Battery output)
Product Weight	14 lbs
Shipping Weight	15 lbs
Dimensions	13" W x 15.5" H x 5" D
Electrical	Temperature range 32° to 120° F Maximum humidity 85%

APPLICATION AND FEATURES

Delivers 4 AMPS @24V DC to up to 4 PTC fused outputs: locks, exit trim, and LP motor / solenoid kits
Robust solid state outputs to protect system relays from surges, grounds, or shorts
Interruption-free battery backup
Ample in-rush/hold current for latch retraction
Door-mounted LED power indicator
Easy to remove Euro connectors
Linear design makes it a perfect match for motor or soleniod driven exit devices, electric locks and strikes

CODE COMPLIANCE

UL 294 Listed

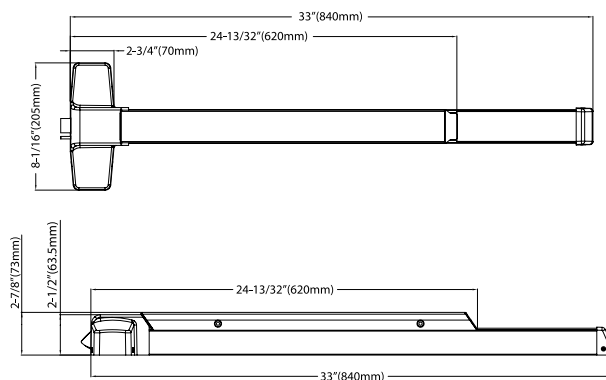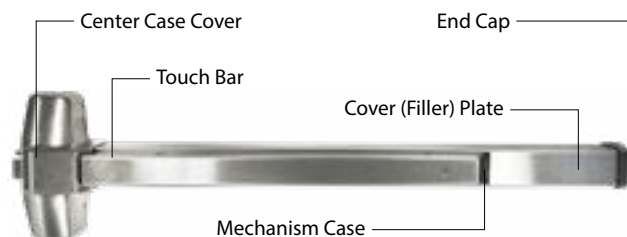| Description	Part Number	Standard Finish
Power Supply upto 4 devices	**INX-ELPS5-4**	AL Aluminum Painted

RIM EXIT DEVICE ED70/ED70F
ANSI Grade 1

Center Case Cover — Touch Bar — End Cap — Cover (Filler) Plate — Mechanism Case

(labeled diagram)

33"(840mm)
24-13/32"(620mm)
2-3/4"(70mm)
8-1/16"(205mm)

2-7/8"(73mm)
2-1/2"(63.5mm)
24-13/32"(620mm)
33"(840mm)

SPECIFICATION

Device Functions	Trims available separately
Device Lengths	2'2" to 3' (660mm to 914mm) 2'9" to 4' (838mm to 1219mm)
Strike	Dull Black Rim (EDLSR-255)
Dogging Feature	Hex Key Dogging available on Non-Fire Rated devices only
Dogging Options	Cylinder Dogging available on complete devices only, not sold as a separate kit
Electric Options	Alarm Kit 36/48" available includes 1/14" C keyway mortise cylinder to operate the shut off switch
Miscellaneous	GBK Glass Bead Kit
Fasteners & Sex Bolts	Furnished with wood & machine screws. Thru-bolts are standard on Fire Rated devices
Latch Bolt	Stainless Steel 3/4" (19mm) throw
Device Centerline from Finished Floor	Refer to local and state regulations for standard mounting height
Center Case Dimensions	7-7/8" x 2-9/16" x 1-7/8" (200mm x 65mm x 48mm)
Mechanism Case Dimensions	1-9/16" x 2" (41mm x 51mm)
Pushbar Projections	Neutral 2-1/2" (64mm) Depressed 1-3/4" (44mm)

APPLICATION AND FEATURES

INOX ED70 and ED70F Rim Exit Devices are suited for most single door applications. They can also be used on double doors when using a mullion.

INOX ED70 and ED70F Rim Exit Devices are non-handed with a universal design that allows them to easily retrofit the Von Duprin 98/99 series and Sargent 8800 series installations when paired with INOX exit device trim.

INOX ED70 and ED70F Rim Exit Devices will fit all doors up to 36" in width and 1-3/4" in thickness. 48" width devices can be ordered as an option. Cylinder dogging is also available as an option on a non-rated device.

CODE COMPLIANCE

ANSI/BHMA A156.3 Grade 1 Exit Devices
ANSI/BHMA A156.29 Exit Lock and Alarm
UL Listed for ANSI/UL10B and UL10C, CAN/ULC S104 up to 3 Hours
UBC Standard 7-2 (1997) NFPA 252
ANSI/UL 305 and CAN/ULC-S132
NFPA 80 National Fire Protection - Fire Door Assembly
NFPA101 National Fire Protection - Life Safety
ANSI/BHMA A156.18 Finishes
ANSI A117.1 ADA Accessibility

Description	Part Number	Standard Finish
RIM Exit Device, 36" Fire Rated RIM Exit Device, 36"	**ED70-RIM36** **ED70F-RIM36**	32D Satin Stainless Steel 19G Graphite Black DU Duro/Dark Bronze Painted AL Aluminum Painted
RIM Exit Device, 48" Fire Rated RIM Exit Device, 48"	**ED70-RIM48** **ED70F-RIM48**	32D Satin Stainless Steel 19G Graphite Black DU Duro/Dark Bronze Painted

For additional finish options not listed, contact Sales Department for MOQ and lead times

SURFACE MOUNTED VERTICAL ROD ED70-SVR/ED70F-SVR
ANSI Grade 1

APPLICATION AND FEATURES

INOX ED70-SVR and ED70F-SVR Vertical Rod Exit Devices are suited for most single and double door applications

INOX ED70-SVR and ED70F-SVR Vertical Rod Exit Devices are UL listed for Panic Exit Hardware. They meet ANSI A156.3 Grade 1 standards and will install on a standard 161 cutout

INOX ED70-SVR and ED70F-SVR Vertical Rod Exit Devices are non-handed with a universal design that allows them to easily retrofit the Von Duprin 98/99 series and Sargent 8800 series installations when paired with INOX exit device trim

CODE COMPLIANCE

ANSI/BHMA A156.3 Grade 1 Exit Devices
ANSI/BHMA A156.29 Exit Lock and Alarm
UL Listed for ANSI/UL10B and UL10C, CAN/ULC S104 up to 3 Hours
UBC Standard 7-2 (1997) NFPA 252
ANSI/UL 305 and CAN/ULC-S132
NFPA 80 National Fire Protection - Fire Door Assembly
NFPA101 National Fire Protection - Life Safety
ANSI/BHMA A156.18 Finishes
ANSI A117.1 ADA Accessibility

SPECIFICATION

Device Functions	Trims available separately
Device Lengths	2'2" to 3' (660mm to 914mm) 2'9" to 4' (838mm to 1219mm)
Strike	Top Dull Black Strike (EDLSR-227) Bottom Dull Black Strike (EDLSR-221)
Dogging Feature	Hex Key Dogging available on Non-Fire Rated devices only
Dogging Options	Cylinder Dogging available on complete devices only, not sold as a separate kit
Electric Options	Alarm Kit 36"/48" available includes 1/14" "C" keyway mortise cylinder to operate the shut off switch
Miscellaneous	GBK Glass Bead Kit
Fasteners & Sex Bolts	Furnished with wood & machine screws. Thru-bolts are standard on Fire Rated devices
Latch Bolt	Stainless Steel 3/4" (19mm) throw
Device Centerline from Finished Floor	Refer to local and state regulations for standard mounting height
Center Case Distance	7-7/8" x 2-9/16" x 1-7/8" (200mm x 65mm x 48mm)
Mechanism Case Dimensions	1-9/16" x 2" (41mm x 51mm)
Top & Bottom Latch Case	3-15/16" x 2-1/8" x 1-3/8" (100mm x 54mm x 35mm)
Top & Bottom Latch Case - Fire	3-15/16" x 2-11/16" x 2-1/16" (100mm x 68mm x 52mm)
Vertical Rod 36" Door	Top: 43-1/4" (1099mm) Bottom: 37-3/4" (959mm)
Vertical Rod 48" Door	Top: 56-1/16" (1424mm) Bottom: 37-3/4" (959mm)
Pushbar Projections	Neutral 2-1/2" (64mm) Depressed 1-3/4" (44mm)

Description	Part Number	Standard Finish
Surface Vertical Rod, 36" x 84", Fire Rated	**ED70F-SVR3684**	19G Graphite Black DU Duro/Dark Bronze Painted

For additional finish options not listed, contact Sales Department for MOQ and lead times

LESS BOTTOM ROD EXIT DEVICE ED70-LBR/ED70F-LBR
ANSI Grade 1

APPLICATION AND FEATURES

NOX ED70-LBR and ED70F-LBR Less Bottom Rod Exit Devices come has no bottom rod but instead uses a spring loaded auxiliary latch bolt in the lower door edge. This provides free access for wheelchairs and stretchers

INOX ED70-LBR and ED70F-LBR Less Bottom Rod Exit Devices are UL listed for Panic Exit Hardware. They meet ANSI A156.3 Grade 1 standards and will install on a standard 161 cut out

INOX ED70-LBR and ED70F-LBR Vertical Rod Exit Devices are non-handed with a universal design that allows them to easily retrofit the Von Duprin 98/99 series and Sargent 8800 series installations when paired with INOX exit device trim

Aux Fire Latch Assembly

CODE COMPLIANCE

ANSI/BHMA A156.3 Grade 1 Exit Devices
ANSI/BHMA A156.29 Exit Lock and Alarm
UL Listed for ANSI/UL10B and UL10C, CAN/ULC S104 up to 3 Hours
UBC Standard 7-2 (1997) NFPA 252
ANSI/UL 305 and CAN/ULC-S132
NFPA 80 National Fire Protection - Fire Door Assembly
NFPA101 National Fire Protection - Life Safety
ANSI/BHMA A156.18 Finishes
ANSI A117.1 ADA Accessibility

SPECIFICATION

Device Functions	Trims available separately
Device Lengths	2'2" to 3' (660mm to 914mm) 2'9" to 4' (838mm to 1219mm)
Strike	Top Dull Black (EDLSR-227)
Dogging Feature	Hex Key Dogging available on Non-Fire Rated devices only
Dogging Options	Cylinder Dogging available on complete devices only, not sold as a separate kit
Electric Options	Alarm Kit 36" and 48" available
Miscellaneous	GBK Glass Bead Kit
Fasteners & Sex Bolts	Furnished with wood & machine screws. Thru-bolts are standard on Fire Rated devices
Latch Bolt	Stainless Steel 3/4" (19mm) throw
Device Centerline from Finished Floor	Refer to local and state regulations for standard mounting height
Center Case Distance	7-7/8" x 2-9/16" x 1-7/8" (200mm x 65mm x 48mm)
Mechanism Case Dimensions	1-9/16" x 2" (41mm x 51mm)
Top Latch Case	3-15/16" x 2-1/8" x 1-3/8" (100mm x 54mm x 35mm)
Top Fire Latch Case	3-15/16" x 2-11/16" x 2-1/16" (100mm x 68mm x 52mm)
Vertical Rod 36" Door	Top: 43-1/4" (1099mm)
Vertical Rod 48" Door	Top: 56-1/16" (1424mm)
Pushbar Projections	Neutral 2-1/2" (64mm) Depressed 1-3/4" (44mm)

Description	Part Number	Standard Finish
Less Bottom Rod, 36" x 84" Fire Rated	**ED70F-LBR3684**	32D Satin Stainless Steel 19G Graphite Black DU Duro/Dark Bronze Painted

For additional finish options not listed, contact Sales Department for MOQ and lead times

ALARM KITS & CYLINDER DOGGING DEVICE

EXIT ALARM KIT - EDALM

INOX alarm kit for ED70 Series has an internal horn that will sound once the push bar has been depressed, signaling that the door has been opened. The alarm is powered by a 9 volt battery, and will sound horn intermittently when the battery is low. The device includes a standard 1-1/4", "C" keyway mortise cylinder to operate the shut off switch.

CYLINDER DOGGING EXIT DEVICE

INOX Cylinder dogging is available for non-rated devices and only available in full devices on the ED70 Series, not as a separate kit. Mortise Cylinder 1-1/4" included. Add "-CD" to Exit Device standard item code.

GLASS BEAD SHIM KITS

EDGBK70R
For Rim Device, 1/8" Thick

EDGBK70V
For Vertical Device, 1/8" Thick

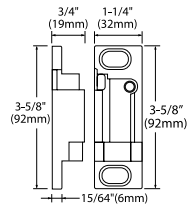**EDGBK70F**
For Fire Device, 1/8" Thick

When glass bead shims are used, outside trim may require longer spindle and thru-bolts.
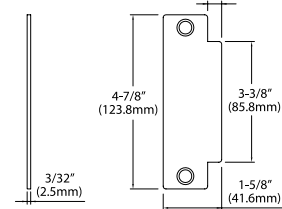
OPTIONAL EXIT DEVICE STRIKES AND FILLERS

STRIKES

ED70LSR-255

Strike for ED70/ED70F Rim Exit Device

3/4" (19mm)   1-1/4" (32mm)
3-5/8" (92mm)   3-5/8" (92mm)
15/64"(6mm)

EDSF

Strike Filler for ED70/ED70F Rim Exit Device

4-7/8" (123.8mm)   3-3/8" (85.8mm)
3/32" (2.5mm)   1-5/8" (41.6mm)
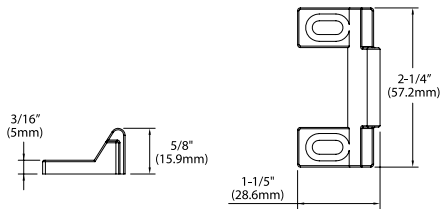
EDLSR-227

Top Strike for ED70-SVR/ED70F-SVR Vertical Rod Exit Device
Strike for ED70-LBR/ED70F-LBR Less Bottom Rod Exit Device
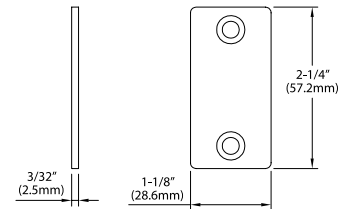
3/16" (5mm)   5/8" (15.9mm)
2-1/4" (57.2mm)   1-1/5" (28.6mm)

EDLFF

Lock Front Filler for ED70/ED70F Rim Exit Device

3/32" (2.5mm)   1-1/8" (28.6mm)   2-1/4" (57.2mm)

EDLSR-221

Bottom Strike for ED70-SVR/ED70F-SVR Vertical Rod Exit Device

9/16" (14.1mm)
7/32" (5.2mm)   3/8" (10mm)
2-7/16" (61.9mm)
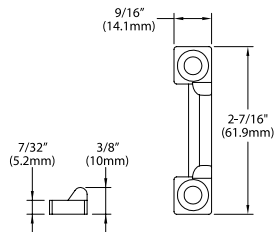
TRIM OPTIONS FOR RIM, SVR, LBR
Compatible with ED93/ED70 Exit Devices

CYLINDRICAL TRIM

2-1/2" (63.5mm)
3/8" (10mm)
3-3/8" (85.7mm)
4-7/8" (123.8mm)
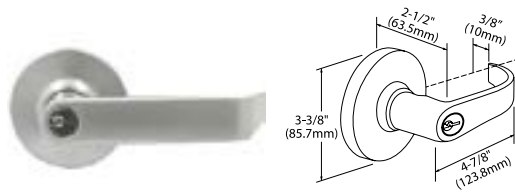
Projection	2-1/2"
Cylinder Size	In-lever for Entry & Storeroom function

Images	Description	Part Number	Standard Finish
	Entry Function (ANSI 08)	**EDCR07EN**	26D Satin Chrome
	Night Latch Function (ANSI 09)	**EDCR07NL**	26D Satin Chrome
	Passage Function (ANSI 14)	**EDCR07BE**	26D Satin Chrome
	Dummy Function (ANSI 02)	**EDCR07DM**	26D Satin Chrome

For additional finish options not listed, contact Sales Department for MOQ and lead times

ESCUTCHEON TRIM

2-3/4" (69.9 mm)
2-1/2" (63.5mm)
10-1/4" (260.4mm)
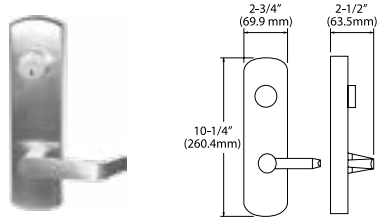
Escutcheon Size	2-3/4" x 10-1/4" (70mm x 260mm)
Cylinder Size	1-1/8" Mortise Cylinder Entry & Storeroom function

Images	Description	Part Number	Standard Finish
	Entry Function Mortise with Cylinder (ANSI 08)	**EDES07 EN**	32D Satin Stainless Steel 19G Graphite Black 26D Satin Chrome
	Night Latch / Storeroom Function Mortise with Cylinder (ANSI 09)	**EDES07 NL*** *Electrified trim function (EL/EU) available*	32D Satin Stainless Steel 19G Graphite Black 26D Satin Chrome
	Passage Function (ANSI 14)	**EDES07 BE**	32D Satin Stainless Steel 19G Graphite Black 26D Satin Chrome
	Dummy Function (ANSI 02)	**EDES07 DM**	32D Satin Stainless Steel 19G Graphite Black 26D Satin Chrome

For additional finish options not listed, contact Sales Department for MOQ and lead times

TRIM OPTIONS FOR RIM, SVR, LBR
Compatible with ED93/ED70 Exit Devices

XSF TRIM WITH
DESIGN LEVER OPTIONS
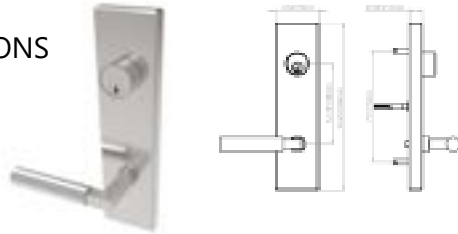
Escutcheon Size	2-3/4" x 10-9/16" (70mm x 268mm)
Cylinder Size	1-1/8" Mortise Cylinder Entry & Storeroom function

201 COLOGNE	*202 MUNICH	205 FRANKFURT	221 AURORA	243 SUNRISE	*244 TWILIGHT

276 PLAZA	318 CAFE	319 HAMPTON	320 EMPIRE	345 TOKYO	*346 OSAKA

* Return-to-Door Lever Designs comply with California and other state building codes for door openings
Entry 3 digit lever design code for outside escutcheon

Images	Description	Part Number	Standard Finish
	Entry Function Mortise with Cylinder (ANSI 08)	**EDES-XSF_ _ _ EN**	32D Satin Stainless Steel 19G Graphite Black 26D Satin Chrome
	Night Latch / Storeroom Function Mortise with Cylinder (ANSI 09)	**EDES-XSF_ _ _ NL**	32D Satin Stainless Steel 19G Graphite Black 26D Satin Chrome
	Passage Function (ANSI 14)	**EDES-XSF_ _ _ BE**	32D Satin Stainless Steel 19G Graphite Black 26D Satin Chrome
	Dummy Function (ANSI 02)	**EDES-XSF_ _ _ DM**	32D Satin Stainless Steel 19G Graphite Black 26D Satin Chrome

For additional finish options not listed, contact Sales Department for MOQ and lead times

TRIM OPTIONS FOR RIM, SVR, LBR
Compatible with ED93/ED70 Exit Devices

THUMB-PIECE & PLATE TRIM

1-3/4"
(45mm)

2-5/8"
(67mm)
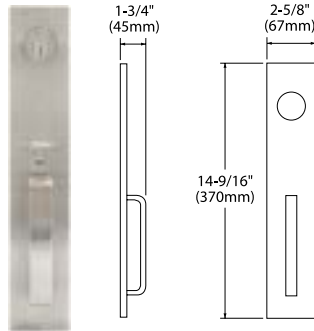
14-9/16"
(370mm)

| **Plate Size** | 14-9/16" x 2-5/8" (370mm x 67mm) |
| **Cylinder Size** | 1-1/4" Mortise Cylinder Entry & Storeroom function |

Images	Description	Part Number	Standard Finish
	Entry Function Mortise with 1-1/4" Cylinder (ANSI 05)	**EDTP10 EN**	32D Satin Stainless Steel
	Night Latch Function Mortise with 1-1/4" Cylinder (ANSI 06)	**EDTP10 NL**	32D Satin Stainless Steel
	Night Latch RIM Function (ANSI 03)	**EDPP10 NL**	32D Satin Stainless Steel
	Passage Function (ANSI 15)	**EDTP10 BE**	32D Satin Stainless Steel
	Dummy Function (ANSI 02)	**EDPP10 DM**	32D Satin Stainless Steel

TRIM OPTIONS FOR CONCEALED VERTICAL ROD
Compatible with ED93 Exit Device

XSF TRIM WITH
DESIGN LEVER OPTIONS

Escutcheon Size	2-1/2" x 10-9/16" (64mm x 268mm)
Cylinder Size	1-1/4" Mortise Cylinder Entry & Storeroom function

201 COLOGNE   *202 MUNICH   205 FRANKFURT   221 AURORA   243 SUNRISE   *244 TWILIGHT

276 PLAZA   318 CAFE   319 HAMPTON   320 EMPIRE   345 TOKYO   *346 OSAKA
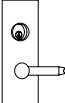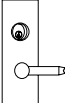
* Return-to-Door Lever Designs comply with California and other state building codes for door openings
Entry 3 digit lever design code for outside escutcheon

Images	Description	Part Number	Standard Finish
	Entry Function Mortise with Cylinder (ANSI 08)	**EDCV-XSF_ _ _ EN**	32D Satin Stainless Steel 19G Graphite Black 26D Satin Chrome
	Night Latch / Storeroom Function Mortise with Cylinder (ANSI 09)	**EDCV-XSF_ _ _ NL**	32D Satin Stainless Steel 19G Graphite Black 26D Satin Chrome
	Passage Function (ANSI 14)	**EDCV-XSF_ _ _ BE**	32D Satin Stainless Steel 19G Graphite Black 26D Satin Chrome
	Dummy Function (ANSI 02)	**EDCV-XSF_ _ _ DM**	32D Satin Stainless Steel 19G Graphite Black 26D Satin Chrome

For additional finish options not listed, contact Sales Department for MOQ and lead times

TRIM OPTIONS FOR CONCEALED VERTICAL ROD
Compatible with ED93 Exit Device

ESCUTCHEON TRIM

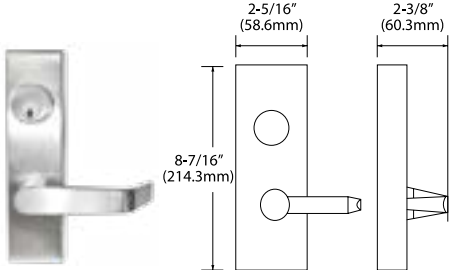|	2-5/16" (58.6mm)	2-3/8" (60.3mm)		
			Escutcheon Size	8-7/16" x 2-5/16" (214mm x 58mm)
8-7/16" (214.3mm)			**Cylinder Size**	1-1/4" Mortise Cylinder Entry & Storeroom function

Images	Description	Part Number	Standard Finish
	Entry Function with 07 lever with Cylinder (ANSI 08)	**ED93CES07 EN**	26D Satin Chrome
	Night Latch with 07 lever with Cylinder (ANSI 09)	**ED93CES07 NL**	26D Satin Chrome

For additional finish options not listed, contact Sales Department for MOQ and lead times

TRIM OPTIONS FOR MORTISE EXIT DEVICE
Compatible with ED93 Exit Device

ESCUTCHEON TRIM

	1-29/32" (48.4mm)	2-1/2" (64mm)		
			Escutcheon Size	8-21/32" x 1-29/32" (220mm x 48mm)
8-21/32" (220mm)			**Cylinder Size**	1-1/4" Mortise Cylinder Entry & Storeroom function

Images	Description	Part Number	Standard Finish
	Entry Function with 07 lever with Cylinder (ANSI 08)	**ED93MES07 EN**	26D Satin Chrome
	Night Latch WITH 07 lever with Cylinder (ANSI 09)	**ED93MES07 NL**	26D Satin Chrome

For additional finish options not listed, contact Sales Department for MOQ and lead times

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Sacramento, CA, USA

TRIM OPTIONS FOR MORTISE EXIT DEVICE
Compatible with ED93 Exit Device

XSF TRIM WITH
DESIGN LEVER OPTIONS

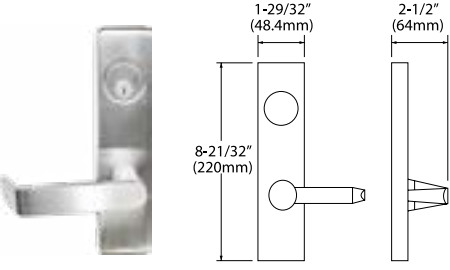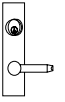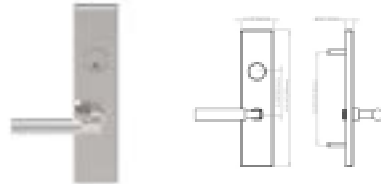|	
Escutcheon Size	2-1/2" x 10-9/16" (64mm x 268mm)
Cylinder Size	1-1/2" Mortise Cylinder Entry & Storeroom function

201 COLOGNE	*202 MUNICH	205 FRANKFURT	221 AURORA	243 SUNRISE	*244 TWILIGHT

276 PLAZA	318 CAFE	319 HAMPTON	320 EMPIRE	345 TOKYO	*346 OSAKA

* Return-to-Door Lever Designs comply with California and other state building codes for door openings
Entry 3 digit lever design code for outside escutcheon

Images	Description	Part Number	Standard Finish
	Entry Function Mortise with Cylinder (ANSI 08)	**EDML-XSF_ _ _ EN**	32D Satin Stainless Steel 19G Graphite Black 26D Satin Chrome
	Night Latch / Storeroom Function Mortise with Cylinder (ANSI 09)	**EDML-XSF_ _ _ NL**	32D Satin Stainless Steel 19G Graphite Black 26D Satin Chrome
	Passage Function (ANSI 14)	**EDML-XSF_ _ _ BE**	32D Satin Stainless Steel 19G Graphite Black 26D Satin Chrome
	Dummy Function (ANSI 02)	**EDML-XSF_ _ _ DM**	32D Satin Stainless Steel 19G Graphite Black 26D Satin Chrome

For additional finish options not listed, contact Sales Department for MOQ and lead times

RIM EXIT DEVICE ED81/ED81F
ANSI Grade 1
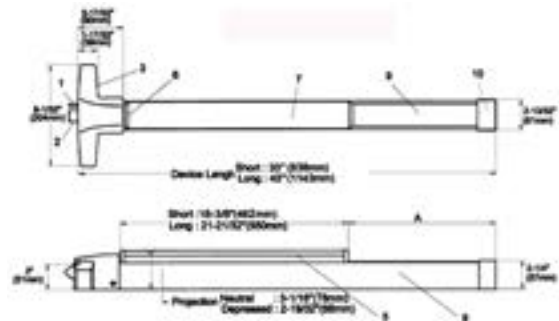
SPECIFICATIONS

Device Functions	Trims available separately
Device Lengths	33" (838mm) 45" (1143mm)
Strikes	Dull Black RIM (EDLSR-239)
Dogging Feature	Hex Key Dogging available on Non-Fire Rated devices only
Dogging Options	Cylinder Dogging available on complete devices only, not sold as a separate kit
Fasteners & Sex Bolts	Furnished with wood & machine screws. Thru-bolts are standard on Fire Rated devices
Latch Bolt	Stainless Steel 3/4" (19mm) throw
Center Case Distance	8-1/32" x 1-15/16" x 2" (204mm x 71mm x 51mm)
Mechanism Case Dimensions	2-3/16" x 1-15/16" (55.4mm x 49.1mm)
Pushbar Projections	Neutral 3-1/16" (78mm) Depressed 2-19/32" (66mm)

APPLICATION AND FEATURES

INOX ED81 and ED81F RIM Exit Devices with narrow design are suited for most single door applications. They can also be used on double doors when using a mullion

ED81 and ED81F RIM Exit Devices are UL listed for Panic Exit Hardware and meet ANSI A156.3 Grade 1 standards

INOX ED81 and ED81F RIM Exit Devices will fit all doors up to 36" in width and 1-3/4" in thickness. 48" in width devices can be ordered as an option

CODE COMPLIANCE

ANSI/BHMA A156.3 Grade 1 Exit Devices
ANSI/BHMA A156.29 Exit Lock and Alarm
UL Listed for ANSI/UL10B and UL10C, CAN/ULC S104 up to 3 Hours
UBC Standard 7-2 (1997) NFPA 252
ANSI/UL 305 and CAN/ULC-S132
NFPA 80 National Fire Protection - Fire Door Assembly
NFPA101 National Fire Protection - Life Safety
ANSI/BHMA A156.18 Finishes
ANSI A117.1 ADA Accessibility
Electrification - ANSI/UL634, ANSI/UL294, ANSI/UL10C

Description	Part Number	Standard Finish
Narrow Style RIM Exit Device, 36"	**ED81NS-RIM36**	32D Satin Stainless Steel 10B Oil Rubbed Bronze
Narrow Style RIM Exit Device, 48"	**ED81NS-RIM48**	32D Satin Stainless Steel 10B Oil Rubbed Bronze

For additional finish options not listed, contact Sales Department for MOQ and lead times

SURFACE MOUNTED VERTICAL ROD ED81-SVR/ED81F-SVR
ANSI Grade 1

APPLICATION AND FEATURES

INOX ED81-SVR and ED81F-SVR Vertical Rod for Narrow design Exit Devices are suited for use on contemporary glass doors in all public buildings, resort hotels, retail stores and for all types of aluminum doors or aesthetic requirements

INOX ED81-SVR and ED81F-SVR Vertical Rod for Narrow Stile Exit Devices are UL listed for Panic Exit Hardware. They meet ANSI A156.3 Grade 1 standards

INOX ED81-SVR and ED81F-SVR Exit Devices will fit all doors up to 36" in width and 1-3/4" in thickness. 48" in width devices can be ordered as an option

SPECIFICATION

Device Functions	Trims available separately
Device Lengths	29" to 36" (736mm to 914mm) 33" to 48" (838mm to 1219mm)
Strikes	Standard (EDLSR-801) Fire Rated (EDLSR-802)
Dogging Feature	Hex Key Dogging available on Non-Fire Rated Devices Only
Dogging Option	Cylinder Dogging available on complete devices only, not sold as a separate kit
Electric Options	EDALM - Exit Alarm QLR- Quiet Latch Retraction REX - Request to Exit LBM - Latch Bolt Monitoring
Miscellanous Options	GBK Glass Bead Kit
Fasteners & Sex Bolts	Furnished with wood & machine screws. Thru-bolts standard on Fire Rated devices
Center Case Distance	8-1/32" x 1-15/16" x 2" (204mm x 71mm x 51mm)
Mechanism Case Dimensions	2-3/16" x 1-15/16" (55.4mm x 49.1mm)
Pushbar Projections	Neutral 3-1/16" (78mm) Depressed 2-19/32" (66mm)

CODE COMPLIANCE

ANSI/BHMA A156.3 Grade 1 Exit Devices
ANSI/BHMA A156.29 Exit Lock and Alarm
UL Listed for ANSI/UL10B and UL10C, CAN/ULC S104 up to 3 Hours
UBC Standard 7-2 (1997) NFPA 252
ANSI/UL 305 and CAN/ULC-S132
NFPA 80 National Fire Protection - Fire Door Assembly
NFPA101 National Fire Protection - Life Safety
ANSI/BHMA A156.18 Finishes
ANSI A117.1 ADA Accessibility
Electrification - ANSI/UL634, ANSI/UL294, ANSI/UL10C

CONCEALED VERTICAL ROD ED81-CVR/ED81F-CVR
ANSI Grade 1

APPLICATION AND FEATURES

INOX ED81-CVRM and ED81F-CVRM Concealed Vertical Rod Exit Devices are suited for most single and double hollow metal door applications

INOX ED81-CVRM and ED81F-CVRM Concealed Vertical Rod Exit Devices are UL listed for Panic Exit Hardware. They meet ANSI A156.3 Grade 1 standards

ED81-CVRM and ED81F-CVRM Concealed Vertical Rod Exit Devices will fit all doors up to 36" in width and 1-3/4" in thickness. 48" in width devices can be ordered as an option

SPECIFICATION

Device Functions	Trims available separately
Device Lengths	33" (838mm) 45" (1143mm)
Strike	Top Dull Black (EDLSR-260) Bottom Dull Black (EDLSR-265)
Dogging Options	Cylinder Dogging available on complete devices only, not sold as a separate kit
Fasteners & Sex Bolts	Furnished with wood & machine screws. Thru-bolts are standard on Fire Rated devices
Center Case Distance	8-1/32" x 2-25/32" x 2" (204mm x 71mm x 51mm)
Mechanism Case Dimensions	2-3/16" x 1-15/16" (55.4mm x 49.1mm)
Pushbar Projections	Neutral 3-1/16" (78mm) Depressed 2-19/32" (66mm)

CODE COMPLIANCE

ANSI/BHMA A156.3 Grade 1 Exit Devices
ANSI/BHMA A156.29 Exit Lock and Alarm
UL Listed for ANSI/UL10B and UL10C, CAN/ULC S104 up to 3 Hours
UBC Standard 7-2 (1997) NFPA 252
ANSI/UL 305 and CAN/ULC-S132
NFPA 80 National Fire Protection - Fire Door Assembly
NFPA101 National Fire Protection - Life Safety
ANSI/BHMA A156.18 Finishes
ANSI A117.1 ADA Accessibility
Electrification - ANSI/UL634, ANSI/UL294, ANSI/UL10C

Description	Part Number	Standard Finish
Narrow Style Concealed Vertical Rod for Metal Doors, 36" x 48", Fire Rated	RF8INS-CVRM3684	32D Satin Stainless Steel 10B Oil Rubbed Bronze

For additional finish options not listed, contact Sales Department for MOQ and lead times

ED81MED NARROW STILE ELECTRIFICATION
MOTOR DRIVEN LATCH RETRACTION EXIT DEVICE
ANSI Grade 1

SPECIFICATION

Voltage Range	22 to 30V DC Systems Shuts down if voltage exceeds 30V DC
Current Draw	1A for 400ms to retract, then 125mA to maintain electronic dogging

APPLICATION

Quiet Latch Retraction (QLR) feature allows for remote unlatching of exit device. It gives remote keyless access control in high traffic conditions where exit devices are required, such as hospitals, airports and schools. It is also commonly used with automatic door operators

ED81 QLR exit device uses electronic motor technology, which allows faster, quieter and smoother latch pullback compared to the solenoid activated latch retraction Motor technology uses a substantially lower pulse of current (compared to solenoid activated devices) to retract latch bolt, and uses even less power to hold latch bolt retracted. It's a perfect choice for hospitals, libraries and any area that requires reduced noise

SWITCHES

All switches are SPDT (single pull, double throw) and available for the following applications either installed with ED81 Narrow Stile Exit Device or as kits:

REX - Request-to-Exit Switch
Request-to-Exit switch sends a signal to alert the control panel that the door is about to be opened by someone intent on exiting a secured area
LBM - Latchbolt Monitor Switch
Latchbolt Monitor switch sends a signal to control panel to monitor the position of latchbolt

FEATURES

Fast, quiet and smooth operation
Low surge current draw
Greater efficiency and strength
Electric dogging
6' power cable with quick connect
Up to 300' wire run with 18/2 wire, providing cost savings by using less power supplies for multiple devices
Compatible with most 24V DC, 1A (or greater) regulated power supplies. For power supply options, order separately
On board self-diagnostic

FUNCTION

ED81 Narrow Stile Exit Device with QLR retracts the latch bolt by power either momentarily or for extended periods of time, allowing for outside access or auto operator integration. When power is out, the device and latch are locked (Fail Secure). Inside push pad of exit device always allows for free egress

Motor-driven QLR function is available for ED81 Series RIM, SVR and mortise devices

EDNS07 ELECTRIFIED TRIM
NARROW STILE EXIT DEVICE
ANSI Grade 1

APPLICATION

Electrified exit escutcheon trim allows outside lever locked or unlocked electronically for access control

It is commonly used for stairwell or access restricted area with conditions where fire/life safety codes require a "fail safe" condition, which is not an option with electrified latch retraction device

SWITCH

Switch is SPDT (single pull, double throw) and available either installed with ED81 Narrow Stile Exit Device or as a kit:

REE - Request-to-Enter Switch
Switch can be added to the ED81 escutcheon trim. It is a SPDT (single pull, double throw) switch that sends a signal to alert the control panel that the door is about to be opened by someone intending to enter a secured area

SPECIFICATION

Voltage Range	24V AC/DC Systems
AMP Range	150mA @24V

FEATURES

Continuous duty solenoids for cooler operation during continuous-on applications
Standard plug-in rectifier allows for either AC or DC power source
Low current draw

FUNCTION

EDES07NL-EL
Storeroom Electronically Locked (Fail Safe)
Outside lever LOCKED electronically (EL). Switched power (de-energized) allows outside lever to retract latch. Loss of power will cause outside lever unlocked (Fail Safe). Outside key momentarily unlocks outside lever to retract latch. Inside push pad of exit device is always free for immediate egress.

EDES07NL-EU
Storeroom Electronically Unlocked (Fail Secure)
Outside lever UNLOCKED electronically (EU). Switched power (de-energized) locks outside lever. Loss of power will cause outside lever locked (Fail Secure). Outside key momentarily unlocks outside lever to retract latch. Inside push pad of exit device is always free for immediate egress

OPTIONAL TRIM FOR RIM, SVR, CVR

THUMBPIECE AND PLATE TRIM

Plate Size: 11-13/16" x 1-25/32"
Cylinder: 1/4" Mortise Cylinder included for Classroom function. Rim Cylinder included for Night Latch function. Schlage C keyway standard. Specify "IC" for IC Core Cylinders. Other keyway available by special order

Function	Classroom
ANSI	08
Item No.	ED81TP10CL
Cylinder Type	Mortise 1/4"

Function	Night Latch
ANSI	03
Item No.	ED81TP10NL
Cylinder Type	Rim

Function	Passage
ANSI	14
Item No.	ED81TP10BE
Cylinder Type	None

Function	Dummy
ANSI	02
Item No.	ED81TP10DM
Cylinder Type	None

Trim for Concealed Vertical Rod Exit Device (CVR)

THUMBPIECE AND PLATE TRIM

Plate Size: 11-13/16" x 1-25/32"
Cylinder: 1/4" Mortise Cylinder included for Classroom function. Rim Cylinder included for Night Latch function. Schlage C keyway standard. Specify "IC" for IC Core Cylinders. Other keyways available by special order

Function	Classroom
ANSI	08
Item No.	ED81CTP10CL
Cylinder Type	Mortise 1/4"

Function	Night Latch
ANSI	03
Item No.	ED81CTP10NL
Cylinder Type	Rim

Function	Passage
ANSI	14
Item No.	ED81CTP10BE
Cylinder Type	None

Function	Dummy
ANSI	02
Item No.	ED81CTP10DM
Cylinder Type	None

EXIT ALARM KITS & CYLINDER DOGGING KIT

EXIT ALARM KIT- ED81ALM

INOX alarm kit for ED81 Series has an internal horn that will sound once the push bar has been depressed, signaling the door has been opened. The alarm is powered by a 9 volt battery, and will sound horn intermittently when the battery is low

CYLINDER DOGGING EXIT DEVICE

INOX Cylinder dogging is available for non-rated devices and only available in full devices on the ED81 Series, not as a separate kit. Mortise Cylinder 1-1/4" included. Add "-CD" to Exit Device standard item code

FIRE-RATED KEYED REMOVABLE MULLIONS
For use with Fire Rated Rim Exit Device on Fire Rated pairs of doors

SPECIFICATION

Mullion Tube	2" (51mm) wide x 3" (76mm) deep, with wall thickness of 1/8" (3mm), 11 gauge steel tube
Mullion Size	Three sizes mullion available: EDMUL96F: 7' (2134mm) EDMUL84F: 8' (2438mm) EDMUL120F: 10' (3048mm) May be cut to size in the field
Rim Cylinder	Use a 1-1/4" solid brass 6-pin rim cylinder, or interchangeable core, sold separately
Top Bracket	Stainless Steel, using key allows the mullion to be removed in seconds, mullion can be locked in top bracket easily without using the key
Bottom Bracket	Stainless Steel, fixed by 4 hex bolts with stainless steel anchors
Shims	1/2" (13mm) and 5/8" (16mm) shims included
Fasteners	Each mullion includes: 2 Flat Head Machine Screws, #5/16" - 18 x 1-1/2", Stainless Steel 4 Flat Head Machine Screws, #5/16" - 18 x 5/8", Stainless Steel 4 Flat Head Machine Screws, #5/16" - 18 x 1-1/4", Stainless Steel 4 Expansion Anchors, 5/8" dia. x 7/8" long, Steel
Strike	Use two (2) sets of Mullion Strikes EDLSR-688 & Strike Hooks EDLSR-689
Finish	Gray baked powder coating only
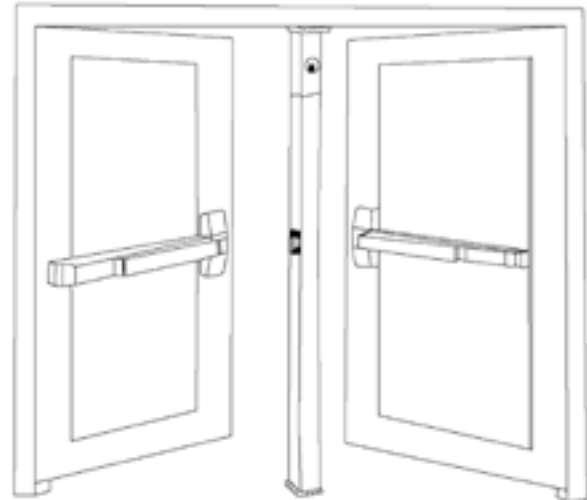
The removable Mullion is used with two Rim Devices on double doors.
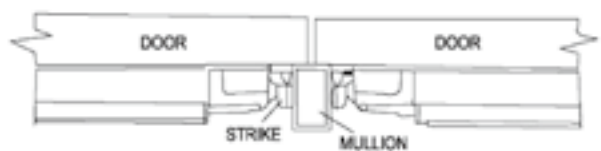
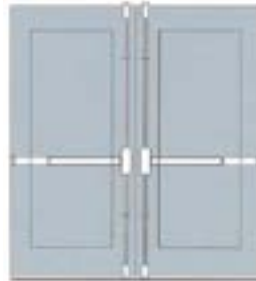| EDMBK52F	EDMBK55F	EDLSR688	EDLSR689

MOUNTING DIAGRAMS

Single Door

Vertical Rod type or Rim type
Surface applied 1 point lock.
Surface application.

Pair of Doors without Mullion

Vertical Rod type or Rim type
Surface applied 2 point locking on
each door.
Surface application.

Pair of Doors with Mullion

2 Rim type with Mullion
Two independent active doors with
full double door openings when
required. Same direction.
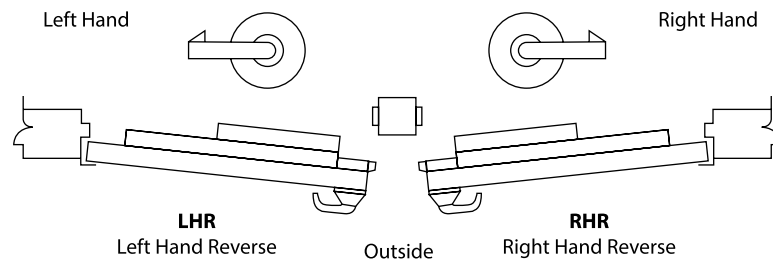
Pair of Doors without Mullion

1 Vertical Rod and 1 Rim type
Both devices are surface applied.
A Coordinator and overlapping
strike is recommended.

Pair of Doors without Mullion

2 Vertical Rod type
Double egress surface applied.
2 point locking on each door
for opposite directions.

Handing

Left Hand

Right Hand

LHR
Left Hand Reverse

Outside

RHR
Right Hand Reverse

INOX ED93 Exit Device
CROSS REFERENCES

Device	INOX	Dorma	Von Duprin	Sargent	Hager	Falcon	Cal-Royal
RIM	ED93-RIM	9300	98/99	8800	4501R	25-R	7700
SVR	ED93-SVR	9400	9827/9927	8700	4501S	25-V	7760
Mortise	ED93-MED	9500	9875/9975	8900	-	25-M	MR7700
CVR	ED93-CVR	9100	9847/9947	8600	4501C	25-C	CVR7700

INOX ED70 Exit Device
CROSS REFERENCES

Device	INOX	Dorma	Von Duprin	Sargent	Hager	Falcon	Cal-Royal
RIM	ED70-RIM	9300	98/99	8800	4501R	25-R	9800
SVR	ED70-SVR	9400	9827/9927	8700	4501S	25-V	9860
LBR	ED70-LBR	9400	9827/9927	NB-8700	4501LBR	25-V-LBR	LBR9860

INOX ED81 Exit Device
CROSS REFERENCES

Device	INOX	Dorma	Von Duprin	Sargent	Hager	Falcon	Cal-Royal
RIM	ED81-RIM	9300	98/99	8800	4501R	25-R	9800
SVR	ED81-SVR	9400	9827/9927	8700	4501S	25-V	9860
LBR	ED81-LBR	9400	9827/9927	NB-8700	4501LBR	25-V-LBR	LBR9860

Please visit our website
www.inoxproducts.com
for more technical and new product information.