Corbin Russwin®

Pushpad Exit Devices

ED5000 Series

An ASSA ABLOY Group company

ASSA ABLOY

ED5000 Series

Applications

Corbin Russwin's history is rich with architectural hardware designed to meet life safety and security requirements. That tradition continues with ED5000 Series exit devices. Designed to allow safe and easy egress, the ED5000 is ideal for frequent use applications such as schools, factories, hotels, theaters, office and retail complexes and government buildings.

Quality

All exit devices manufactured by Corbin Russwin undergo rigorous testing, both in the lab and field. Testing procedures go beyond industry standards; the ED5800 concealed vertical rod exit device was witnessed and certified to 3.25 million successful cycles, more than 6 times the requirement. Abuse and cycle tests prove time and again the durability of the entire ED5000 series, which is backed by a 5-year warranty.

Aesthetics

Over the past 100 years, Corbin Russwin has been well-known for weaving pleasing aesthetics and inventive designs into architectural door hardware, and today's wide stile exit device line is no exception. The ED5000 Series offers smooth lines in the exit device bar and a full range of trim designs with visual diversity, including the Vineyard Collection. The Vineyard Collection brings a touch of European elegance to any building, while offering the benefit of Grade 1 vandal resistance.

Vandal Resistance

Today's door hardware must fulfill life-safety and security needs, two areas in which ED5000 series exit devices and trim excel. The ED5200S SecureBolt™ features a deadbolt style latchbolt that significantly resists pull from the exterior, thus reducing door and frame separation, preventing the door from being forced open. 900 series heavy-duty trim deters vandals with a thick 13/16" beveled escutcheon, Free Wheeling lever (excluding mortise trim), and flush cylinder. High security Pyramid cylinders offer an additional barrier against picking and drilling. These components can all be combined for high quality, high security applications.

Electronics

If electronic access control is required, or just a simple monitoring switch, the ED5000 series offers a full range of electrified options, including a delayed egress exit device and electrically controlled trim. All options can be tied into existing security and fire alarm systems for easy monitoring.

Introduction	2
Product Series Features	3
Applications and Listings	4
SecureBolt™ Features	6
Rim Features	8
Surface Vertical Rod Features	10
Concealed Vertical Rod Features	14
Rim/SecureBolt/SVR & CVR	
Functions	18
Trims and Functions	20
Mortise Features	24
Mortise Functions	26
Mortise Trims and Functions	28
Electrified Exit Devices	32
Mullions	44
Options and Accessories	45
Facts and Figures	48
Cylinders	49
Quick Codes	50
How to Order	52
Helpful Terms	53
How to Specify	54

This catalog can be found on the Internet at the Corbin Russwin website at: www.corbin-russwin.com

The Power of Choice

As Corbin Russwin continues to offer the latest technology and architectural hardware, an additional option is also presented to architects, distributors, and end-users. The power of choice. With a wide variety of devices, trims, lever designs, and electrified hardware, a locking system can be designed for any building and any application.

Below are some highlights of the ED5000 Series. These are but a few of the options that can be combined to meet the aesthetic and security requirements of today.

SecureBolt™ Delayed Egress Exit Device

SecureBolt™

- Deadbolt-style latch design provides increased security by resisting unauthorized entrance from credit cards, crowbars, door rattling, etc.
- Is more resistant to vector forces, which results in less force against the frame, thus eliminating door/frame separation
- Provides increased stability of openings with mullions

Delayed Egress Exit Device

- Increases security in many applications such as retail stores and health care facilities
- Features an LED indicator and a nuisance delay
- 15 or 30-second delay available
- UL and BHMA listed

Heavy-Duty Trim

- Free Wheeling levers for vandal resistance (excluding mortise trim)
- Heavy-duty threaded posts provide additional strength
- Beveled sides for increased attack resistance
- Flush cylinder when used with 6-pin applications and mortise trim functions

Vineyard Collection

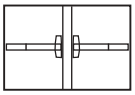
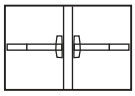
- Four aesthetically pleasing lever designs
- Available in 605, 606, 613, 625, 626 finishes
- Allows for design continuum when matched with the ML2000 series mortise lock Vineyard Collection trim
- Heavy-duty vandal-resistant escutcheon increases security

Heavy-Duty Trim with Vineyard lever

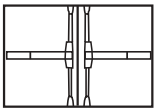
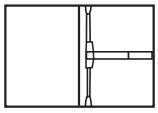
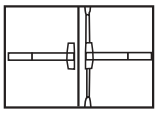
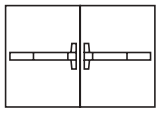
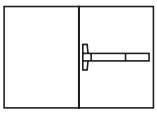
ED5000 Series Pushpad Exit Devices

Applications and Listings

Single Door	UL Listing	Maximum Opening	Application	
Rim			Surface applied; single-point latching.	
ED5200	Panic	4’ x *		
ED5200A	3 Hr.	4' x 8'		
SecureBolt™			Surface applied; single-point latching.	
ED5200S	Panic	4’ x *		
ED5200SA	3 Hr.	4' x 8'		
Mortise			Mortised in door; single-point latching.	
ED5600	Panic	4’ x *		
ED5600A	1-1/2 Hr.	4’ x 9’		
ED5600A	3 Hr.	4' x 8'		
Surface Vertical Rod			Surface applied; one or two-point latching.	
ED5400	Panic	4’ x 8’		
ED5470	Panic	4’ x 10’		
Concealed Vertical Rod			Rods concealed in door; one or two-point latching.	
ED5800	Panic	4’ x 8’		
ED5860	Panic	4’ x 10’		

Pair of Doors with Removable Mullion	UL Listing	Maximum Opening	Application	
Rim x Rim			2 independent active doors with removable mullion	
ED5200 x ED5200 x 700 Series	Panic	8' x 10'		
ED5200A x ED5200A x 700 Series	3 Hr.	8' x 8'		
SecureBolt™ x SecureBolt™			2 independent active doors with removable mullion	
ED5200S x ED5200S x 700 Series	Panic	8' x 10'		
ED5200SA x ED5200SA x 700 Series	3 Hr.	8' x 8'		

*UL does not set a door height limitation on panic applications.

Pair of Doors	UL Listing	Maximum Opening	Application	
Surface Vertical Rod ED5400 x ED5400 ED5400A x ED5400A	Panic 1-1/2 Hr.	8' x 8' 8' x 8'	Two independent doors with two-point latching, swinging in the same direction. Overlapping astragal not required.	
ED5470 x ED5470 ED5470B x ED5470B	Panic 1-1/2 Hr.	8' x 10' 8' x 10'	Two independent doors with one or two-point latching, swinging in the same direction. Overlapping astragal not required.	
Surface Vertical Rod (Double Egress) ED5400 x ED5400 ED5400A x ED5400A	Panic 3 Hr.	8' x 8' 8' x 8'	Two independent doors with two-point latching, swinging in opposite directions. Overlapping astragal required for 3-hour openings.	
ED5470 x ED5470 ED5470B x ED5470B	Panic 1-1/2 Hr.	8' x 10' 8' x 10'	Two independent doors with one or two-point latching, swinging in opposite directions. Overlapping astragal not required.	
Surface Vertical Rod x Mortise ED5400 x ED5600 ED5400A x ED5600A ED5400A x ED5600A x Open Back Strike	Panic 3 Hr. 1-1/2 Hr.	8' x 8' 8' x 8' 8' x 8'	Overlapping astragal not required. Coordinator required with standard ANSI strike.	
ED5470 x ED5600 ED5470B x ED5600A	Panic 3 Hr.	8' x 10' 8' x 9'	Overlapping astragal not required. Coordinator required with standard ANSI strike.	
Concealed Vertical Rod ED5800 x ED5800 ED5800A x ED5800A	Panic 1-1/2 Hr.	8' x 8' 8' x 8'	Two independent metal doors with two-point latching, swinging in the same direction. Overlapping astragal not required.	
ED5860 x ED5860 ED5860B x ED5860B	Panic 1-1/2 Hr.	8' x 10' 8' x 10'	Two independent metal or wood doors with one or two-point latching, swinging in the same direction. Overlapping astragal not required.	
Concealed Vertical Rod (Double Egress) ED5800 x ED5800 ED5800A x ED5800A	Panic 3 Hr.	8' x 8' 8' x 8'	Two independent metal doors with two-point latching, swinging in opposite directions. Overlapping astragal required for 3-hour openings.	
ED5860 x ED5860 ED5860B x ED5860B	Panic 1-1/2 Hr.	8' x 10' 8' x 10'	Two independent metal or wood doors with one or two-point latching, swinging in opposite directions. Overlapping astragal not required.	

ED5200S Panic-Listed SecureBolt™ Exit Device
ED5200SA 3-Hour Fire-Listed SecureBolt Exit Device

Features

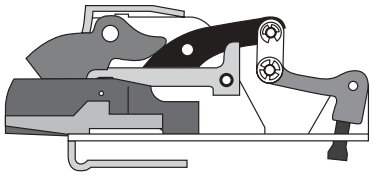
Handing
Device is non-handed.
Lever trim is handed.

Bar Length
Easily field cut to size.
Standard: 36" (914mm) bar fits 30"- 36" (762mm-914mm) door.
Optional: 24" (610mm) bar fits 24" (610mm) door; specify W024.
Optional: 48" (1219mm) bar fits 36"-48" (914mm-1219mm) door; specify W048.

Door Thickness
1-3/4" (44mm) standard.
Optional: 2" (51mm); specify D200.
Optional: 2-1/4" (57mm); specify D214.

Stile
Minimum width 4-1/2" (114mm).

Latchbolt
Full 3/4" (19mm) projection, 1" (25mm) strike engagement, positive deadlocking by auxiliary bolt.



Cut Away Side View

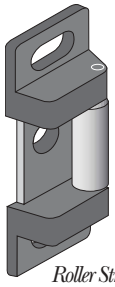
Materials
Latchbolt: High-grade, heat-treated, corrosion-resistant nickel steel alloy. Slide-action deadbolt with positive deadlocking by auxiliary bolt. Two-piece deadbolt mechanism utilizing a roll back lever which eliminates any contact (friction) with the strike during relocking.
Device: Heavy duty cold forged steel chassis; heavy gauge steel mechanisms, electroplated for corrosion resistance; finished parts are brass, bronze or stainless steel; stainless steel springs; nylon bearings.

Projection
3-1/4" (83mm) active, 2-3/4" (70mm) dogged.

Dogging
Standard on panic-rated devices; single-point 1/4 turn hex key dogging.
Optional: less dogging, specify M51.
Optional: cylinder dogging; specify M52.
Optional: electric dogging; specify M97.
Mechanical dogging not available on fire-rated devices.

Fasteners
Standard on panic devices: machine screws and wood door fasteners.
Standard on fire-rated devices: sex nuts and bolts.
Optional on devices: sex nuts and bolts for use on wood, composite or unreinforced metal doors; specify M54.
Optional wood screws for use on approved fire-rated solid wood or wood core doors. Specify M64.

Strike
Surface mounted 3/8" (10mm) diameter roller strike, complete with positive locking plate and shims, assuring low friction relocking for a long, trouble-free life.



Roller Strike

Functions and Trims
Through-bolted lever, knob, pull and thumbpiece trims available with wide range of functions; see Trims and Functions, pages 20-23.

Cylinders
Cylinder not included unless specified. See Quick Codes, page 50.

Removable Mullion
See Mullions, page 44.

Shim Kit
Optional for mounting device over raised vision light molding; specify M58.

Applications and Listings
See page 4.

Warranty
Five-year limited.

Certification/Compliance

ANSI
Meets A156.3, Type 28, Grade 1.
Meets A117.1 Accessibility Code.

UL /cUL
All devices listed for safety as panic hardware; devices comply with UL 305 standards for panic hardware. Three-hour fire-rated devices listed as fire exit hardware for A label and lesser class 4' x 8' single or 8' x 8' double doors; UL symbol on active case cover indicates listing.

California State Reference Code
This product has been approved by the California State Fire Marshal pursuant to section 13144.1 of the California Health and Safety Code.

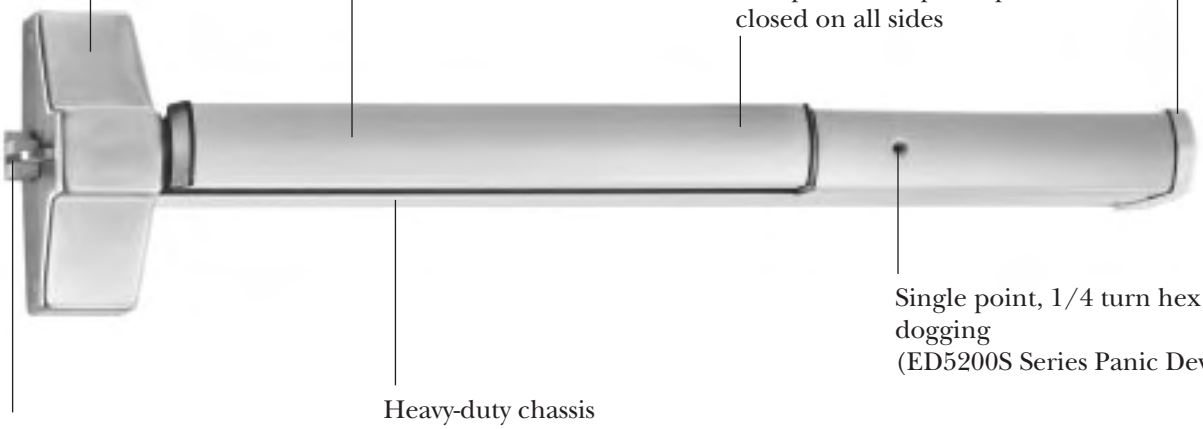
NFPA
All exit devices comply with NFPA 101 Life Safety Code. All fire-rated devices comply with NFPA 80 Fire Doors and Windows.

ADA
Exit devices, lever trims and pulls comply with Americans with Disabilities Act.

Finishes

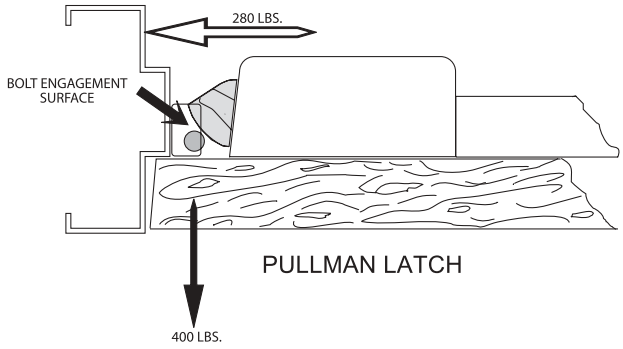
BHMA 605	**Bright Brass**
BHMA 606	**Satin Brass**
BHMA 611	**Bright Bronze**
BHMA 612	**Satin Bronze**
BHMA 613	**Dark Oxidized Satin Bronze, oil rubbed**
BHMA 625	**Bright Chromium Plated**
BHMA 626	**Satin Chromium Plated**
BHMA 629	**Bright Stainless Steel**
BHMA 630	**Satin Stainless Steel**

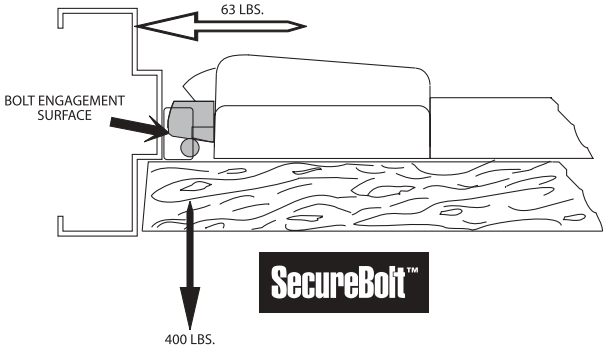
ED5200S and ED5200SA SecureBolt™ Exit Devices



In terms of an exit device, vector forces mean that pressure applied to the door results in a force against the stop and the frame, resulting in door/frame separation. The standard pullman latchbolt applies 280 pounds of force against the frame from a 400-pound pull on the door.

The SecureBolt™ exit device only applies 63 pounds of force against the frame from a 400-pound pull on the door. Less force means the door and frame do not separate, providing a higher level of security, as the door cannot be pulled open.





ED5200 Panic-Listed Rim Exit Device
ED5200A 3-Hour Fire-Listed Rim Exit Device

Features

Handing
Device is non-handed.
Lever trim is handed.

Bar Length
Easily field cut to size.
Standard: 36" (914mm) bar fits 30"- 36" (762mm-914mm) door.
Optional: 24" (610mm) bar fits 24" (610mm) door; specify W024.
Optional: 48" (1219mm) bar fits 36"-48" (914mm-1219mm) door; specify W048.

Door Thickness
1-3/4" (44mm) standard.
Optional: 2" (51mm); specify D200.
Optional: 2-1/4" (57mm); specify D214.

Stile
Minimum width 4-1/2" (114mm).

Latchbolt
3/4" (19mm) throw, stainless steel pullman-type with stainless steel deadlocking latch.

Materials
Heavy-duty cold-forged steel chassis; heavy-gauge steel mechanisms, electroplated for corrosion resistance; finished parts are brass, bronze or stainless steel; stainless steel springs; nylon bearings.

Projection
3-1/4" (83mm) active, 2-3/4" (70mm) dogged.

Dogging
Standard on panic devices; single-point 1/4 turn hex key dogging.
Optional: less dogging, specify M51.
Optional: cylinder dogging; specify M52.
Optional: electric dogging; specify M97.
Mechanical dogging not available on fire-rated devices.

Fasteners
Standard on panic devices: machine screws and wood door fasteners.
Standard on fire-rated devices: sex nuts and bolts.
Optional on panic devices: sex nuts and bolts for use on wood, composite, or unreinforced metal doors; specify M54.
Optional wood screws for use on approved fire-rated solid wood or wood core doors. Specify M64.

Strike
Surface-mounted 3/8" (10mm) diameter roller strike, complete with positive locking plate and shims, assuring low friction relocking for a long, trouble-free life.

Functions and Trims
Through-bolted lever, knob, pull and thumbpiece trims available with wide range of functions; see Trims and Functions, pages 20-23.

Cylinders
Cylinder not included unless specified. See Quick Codes, page 50.

Removable Mullion
See Mullions, page 44.

Shim Kit
Optional for mounting device over raised vision light molding; specify M58.

Applications and Listings
See page 4.

Warranty
Five-year limited.

Certification/Compliance

ANSI
Meets A156.3, Type 1, Grade 1.
Meets A117.1 Accessibility Code.

UL /cUL
All devices listed for safety as panic hardware; devices comply with UL 305 standards for panic hardware. Three-hour fire-rated devices listed as fire exit hardware for A label and lesser class 4' x 8' single or 8' x 8' double doors; UL symbol on active case cover indicates listing.

California State Reference Code
This product has been approved by the California State Fire Marshal pursuant to section 13144.1 of the California Health and Safety Code.

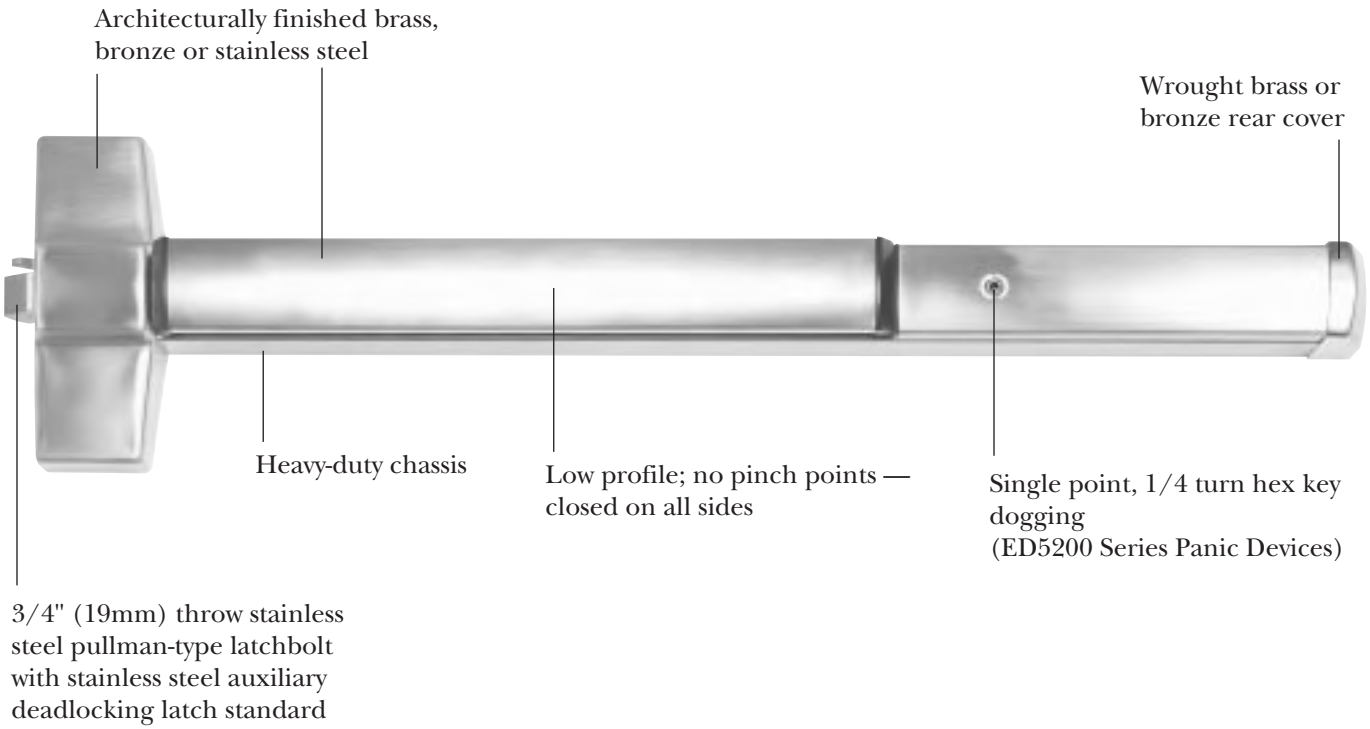
NFPA
All exit devices comply with NFPA 101 Life Safety Code. All fire-rated devices comply with NFPA 80 Fire Doors and Windows.

ADA
Exit devices, lever trims and pulls comply with Americans with Disabilities Act.

Finishes

BHMA 605	**Bright Brass**
BHMA 606	**Satin Brass**
BHMA 611	**Bright Bronze**
BHMA 612	**Satin Bronze**
BHMA 613	**Dark Oxidized Satin Bronze, oil rubbed**
BHMA 625	**Bright Chromium Plated**
BHMA 626	**Satin Chromium Plated**
BHMA 629	**Bright Stainless Steel**
BHMA 630	**Satin Stainless Steel**

ED5200 and ED5200A Rim Exit Devices



ED5400 Panic-Listed Surface Vertical Rod Exit Device
ED5400A 3-Hour Fire-Listed Surface Vertical Rod Exit Device

Features

Handing
Device is handed but easily field reversible. Lever trim is handed.

Bar Length
Easily field cut to size.
Standard: 36" (914mm) bar fits 30"- 36" (762mm-914mm) door.
Optional: 24" (610mm) bar fits 24" (610mm) door; specify W024.
Optional: 48" (1219mm) bar fits 36"-48" (914mm-1219mm) door; specify W048.

Door Thickness
1-3/4" (44mm) standard.
Optional: 2" (51mm); specify D200.
Optional: 2-1/4" (57mm); specify D214.

Stile
Minimum width 4-1/2" (114mm).

Door Height
Standard top rod for 7' door.
All rods easily field cut to size.
Optional door heights up to 8' available; see Quick Codes, page 50.

Latchbolt
Top: 3/4" (19mm) throw, stainless steel pullman-type with automatic deadlatching.
Bottom: 5/8" (16mm) throw deadbolt, held retracted during door swing.

Vertical Rods
1/2" O.D. tubular brass, bronze or stainless steel with rod guides.

Materials
Heavy-duty cold-forged steel chassis; heavy-gauge steel mechanisms, electroplated for corrosion resistance; finished parts are brass, bronze or stainless steel; stainless steel springs; nylon bearings.

Projection
3-1/4" (83mm) active, 2-3/4" (70mm) dogged.

Dogging
Standard on panic devices; single-point 1/4 turn hex key dogging.
Optional: less dogging, specify M51.
Optional: cylinder dogging, specify M52.
Optional: electric dogging; specify M97.
Mechanical dogging not available on fire-rated devices.

Fasteners
Standard on panic devices: machine screws and wood door fasteners.
Standard on fire-rated devices: sex nuts and bolts.
Optional on panic devices: sex nuts and bolts for use on wood, composite, or unreinforced metal doors; specify M54.
Optional wood screws for use on approved fire-rated solid wood or wood core doors. Specify M64.

Strike
Top: adjustable roller strike with positive locking plate and shims.
Bottom: flush mounted.
Optional strikes available; see Options and Accessories, page 45.

Functions and Trims
Through-bolted lever, knob pull and thumbpiece trims available with wide range of functions; see Trims and Functions, pages 20-23.

Cylinders
Cylinder not included unless specified. See Quick Codes, page 50.

Shim Kit
Optional for mounting device over raised vision light molding; specify M58.

Applications and Listings
See pages 4-5.

Warranty
Five-year limited.

Certification/Compliance

ANSI
Meets A156.3, Type 2, Grade 1.

UL /cUL
All devices listed for safety as panic hardware; devices comply with UL 305 standards for panic hardware. Three-hour fire-rated devices listed as fire exit hardware for A label and lesser class 8' x 8' double doors; UL symbol on active case cover indicates listing.

California State Reference Code
This product has been approved by the California State Fire Marshal pursuant to section 13144.1 of the California Health and Safety Code.

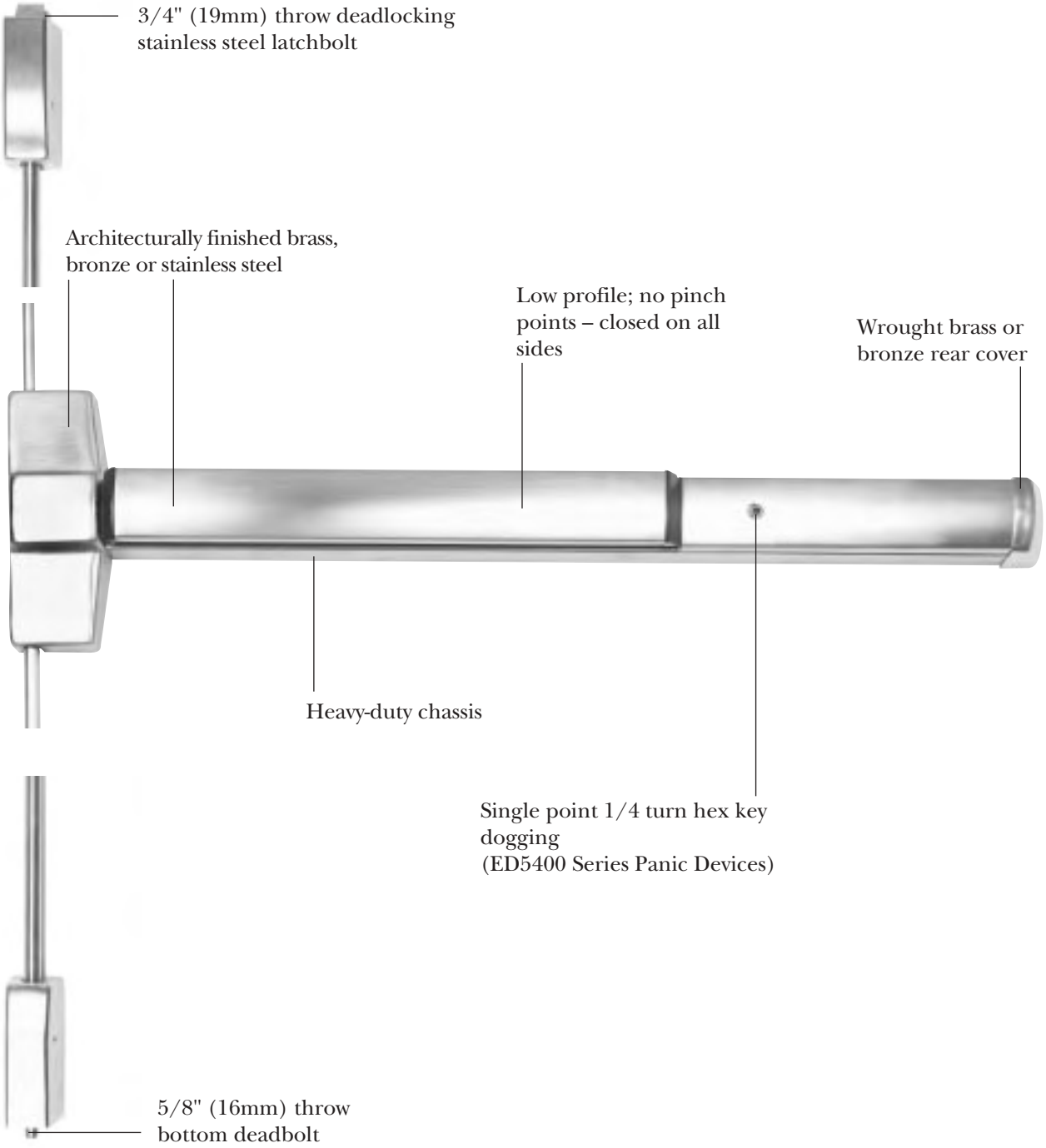
NFPA
All exit devices comply with NFPA 101 Life Safety Code. All fire-rated devices comply with NFPA 80 Fire Doors and Windows.

ADA
Lever trims and pulls comply with Americans with Disabilities Act.

Finishes

BHMA 605	**Bright Brass**
BHMA 606	**Satin Brass**
BHMA 611	**Bright Bronze**
BHMA 612	**Satin Bronze**
BHMA 613	**Dark Oxidized Satin Bronze, oil rubbed**
BHMA 625	**Bright Chromium Plated**
BHMA 626	**Satin Chromium Plated**
BHMA 629	**Bright Stainless Steel**
BHMA 630	**Satin Stainless Steel**

ED5400 and ED5400A Surface Vertical Rod Exit Device



ED5470 Panic-Listed Surface Vertical Rod Exit Device
ED5470B 1-1/2 Hour Fire-Listed Surface Vertical Rod Exit Device
ED5470ES Less Bottom Rod for Electric Strike

Features

Handing
Device is handed but easily field reversible.
Lever trim is handed.

Bar length
Easily field cut to size.
Standard: 36" (914mm) bar fits 30"- 36" (762mm-914mm) door.
Optional: 24" (610mm) bar fits 24" (610mm) door; specify W024.
Optional: 48" (1219mm) bar fits 36"-48" (914mm-1219mm) door; specify W048.

Door Thickness
1-3/4" (44mm) standard.
Optional: 2" (51mm); specify D200.
Optional: 2-1/4" (57mm); specify D214.

Stile
Minimum width 4-1/2" (14mm).

Door Height
Standard top rod for 7' door.
All top rods easily field cut to size.
Optional door heights up to 10' available; see Quick Codes, page 50.

Latchbolt
Top: 3/4" (19mm) throw, stainless steel, pullman-type with automatic deadlatching.
Bottom: 5/8" (16mm) throw deadbolt, held retracted during door swing.

Vertical Rods
1/2" O.D. tubular brass, bronze or stainless steel with rod guides.

Less Bottom Rod
Optional on ED5470 & ED5470B devices only; specify M55.

Heat Activated Door Bolt (Popper)
Standard on all fire-rated devices with M55 option (less bottom rod).

Materials
Heavy-duty cold-forged steel chassis; heavy-gauge steel mechanisms, electroplated for corrosion resistance; finished parts are brass, bronze or stainless steel; stainless steel springs; nylon bearings.

Projection
3-1/4" (83mm) active, 2-3/4" (70mm) dogged.

Dogging
Standard on panic devices; single-point 1/4 turn hex key dogging.
Optional: less dogging, specify M51.
Optional: cylinder dogging, specify M52.
Optional: electric dogging; specify M97.
Mechanical dogging not available on fire-rated devices.

Fasteners
Standard on panic devices: machine screws and wood door fasteners.
Standard on fire-rated devices: sex nuts and bolts.
Optional on panic devices: sex nuts and bolts for use on wood, composite, or unreinforced metal doors; specify M54.
Optional wood screws for use on approved fire-rated solid wood or wood core doors. Specify M64.

Strike
Top: surface mounted interlocking.
Bottom: flush mounted.
Optional strikes available; see Options and Accessories, page 45.

Functions and Trims
Through-bolted lever, knob, pull and thumbpiece trims available with wide range of functions; see Trims and Functions, pages 20-23.

Cylinders
Cylinder not included unless specified.
See Quick Codes, page 50.

Shim Kit
Optional for mounting device over raised vision light molding; specify M58.

Applications and Listings
See pages 4-5.

Warranty
Five-year limited.

Certification/Compliance

ANSI
Meets A156.3, Type 2, Grade 1.
Meets A117.1 Accessibility Code when ordered with M55 option only.

UL/cUL
All devices listed for safety as panic hardware; devices comply with UL 305 standards for panic hardware. 1-1/2 hour fire-rated devices listed as fire exit hardware for B label and lesser class 8' x 10' double doors; UL symbol on active case cover indicates listings.

California State Reference Code
This product has been approved by the California State Fire Marshal pursuant to section 13144.1 of the California Health and Safety Code.

NFPA
All exit devices comply with NFPA 101 Life Safety Code.

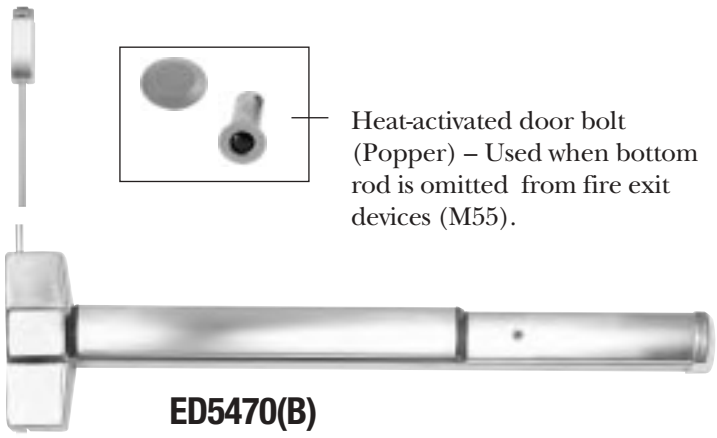
All fire-rated devices comply with NFPA 80 Fire Doors and Windows.

ADA
Exit devices with M55 option, lever trims and pulls comply with Americans with Disabilities Act.

Finishes

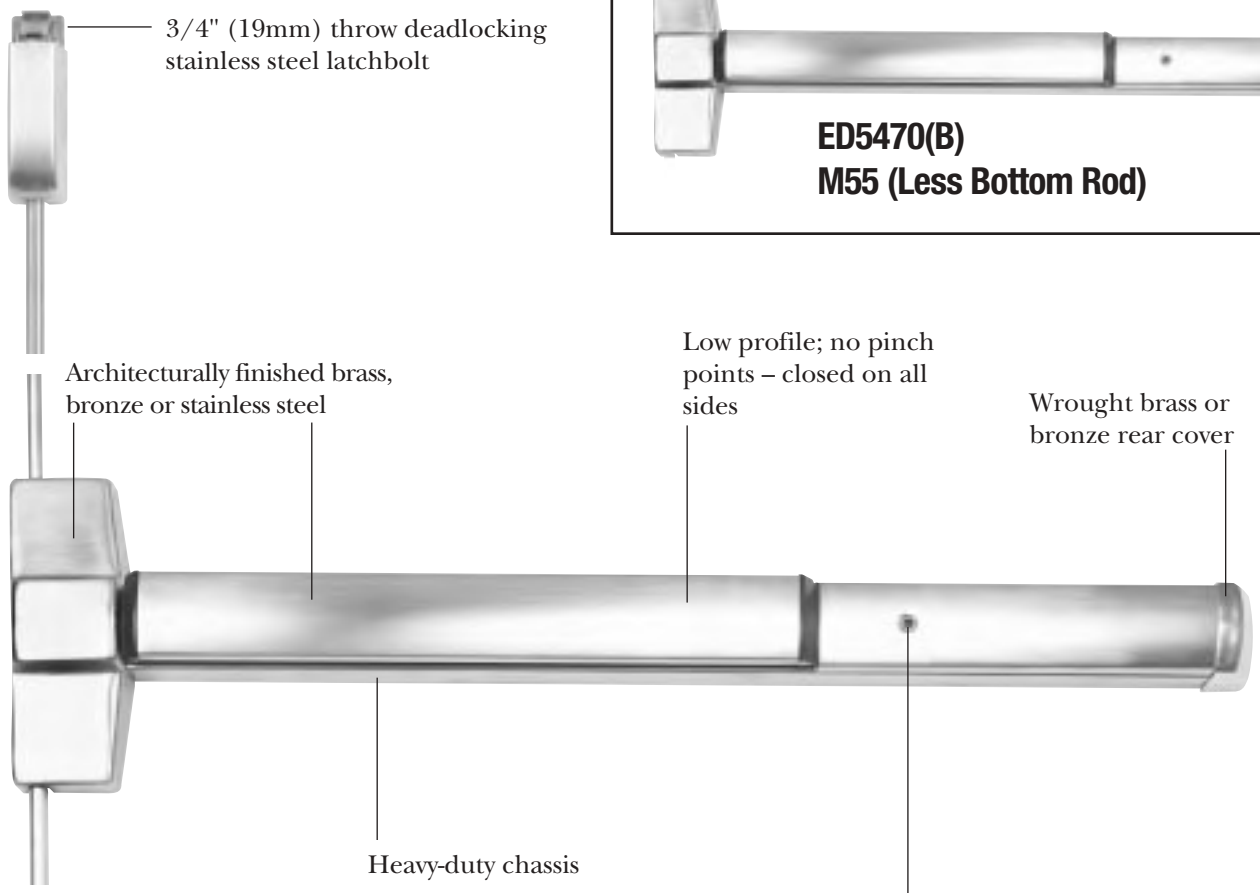
BHMA 605	**Bright Brass**
BHMA 606	**Satin Brass**
BHMA 611	**Bright Bronze**
BHMA 612	**Satin Bronze**
BHMA 613	**Dark Oxidized Satin Bronze, oil rubbed**
BHMA 625	**Bright Chromium Plated**
BHMA 626	**Satin Chromium Plated**
BHMA 629	**Bright Stainless Steel**
BHMA 630	**Satin Stainless Steel**

ED5470 and ED5470B Surface Vertical Rod Exit Devices



Heat-activated door bolt (Popper) – Used when bottom rod is omitted from fire exit devices (M55).

ED5470(B)
M55 (Less Bottom Rod)



5/8" (16mm) throw deadbolt

ED5800 Panic-Listed Concealed Vertical Rod Exit Device
ED5800A 3-Hour Fire-Listed Concealed Vertical Rod Exit Device
ED5860ES Less Bottom Rod For Electric Strikes

FOR USE WITH METAL DOORS ONLY

Features

Handing
Device is handed but easily field reversible.
Lever trim is handed.

Bar length
Easily field cut to size.
Standard: 36" (914mm) bar fits 30"- 36" (762mm-914mm) door.
Optional: 24" (610mm) bar fits 24" (610mm) door; specify W024.
Optional: 48" (1219mm) bar fits 36"-48" (914mm-1219mm) door; specify W048.

Door Thickness
1-3/4" (44mm) standard.
Optional: 2" (51mm); specify D200.
Optional: 2-1/4" (57mm); specify D214.

Stile
Minimum width 4-1/2" (114mm).

Door Height
Standard: top rod for 8' door.
Telescoping rod assembly to accommodate various door heights.

Latchbolt
Top: 3/4" (19mm) throw, stainless steel pullman-type with automatic deadlatching.
Bottom: 5/8" (16mm) throw deadbolt, held retracted during door swing.

Vertical Rods
1/2" O.D. tubing, electroplated for corrosion resistance.

Materials
Heavy-duty cold-forged steel chassis; heavy-gauge steel mechanisms, electroplated for corrosion resistance; finished parts are brass, bronze or stainless steel; stainless steel springs; nylon bearings.

Projection
3-1/4" (83mm) active, 2-3/4" (70mm) dogged.

Dogging
Standard on panic devices; single-point 1/4 turn hex key dogging.
Optional: less dogging, specify M51.
Optional: cylinder dogging, specify M52.
Optional: electric dogging; specify M97.
Mechanical dogging not available on fire-rated devices.

Fasteners
Standard on panic devices: machine screws and sheet metal fasteners.
Standard on fire-rated devices: sex nuts and bolts.
Optional on panic devices: sex nuts and bolts for use on unreinforced metal doors; specify M54.

Strike
Top: roller type.
Bottom: flush mounted.
Optional strikes available; see Options and Accessories, page 45.

Functions and Trims
Through-bolted lever, knob, pull and thumbpiece trims available with wide range of functions; see Trims and Functions, pages 20-23.

Cylinders
Cylinder not included unless specified.
See Quick Codes, page 50.

Shim Kit
Optional for mounting device over raised vision light molding; specify M58.

Applications and Listings
For use on metal doors only. See pages 4-5.

Warranty
Five-year limited.

Certification/Compliance

ANSI
Meets A156.3, Type 8, Grade 1.
Meets A117.1 Accessibility Code.

UL/cUL
All devices listed for safety as panic hardware; devices comply with UL 305 standards for panic hardware. Three-hour fire-rated devices listed as fire exit hardware for A label and lesser class 4' x 8' single or 8' x 8' double doors; UL symbol on active case cover indicates listing.

California State Reference Code
This product has been approved by the California State Fire Marshal pursuant to section 13144.1 of the California Health and Safety Code.

NFPA
All exit devices comply with NFPA 101 Life Safety Code.
All fire-rated devices comply with NFPA 80 Fire Doors and Windows.

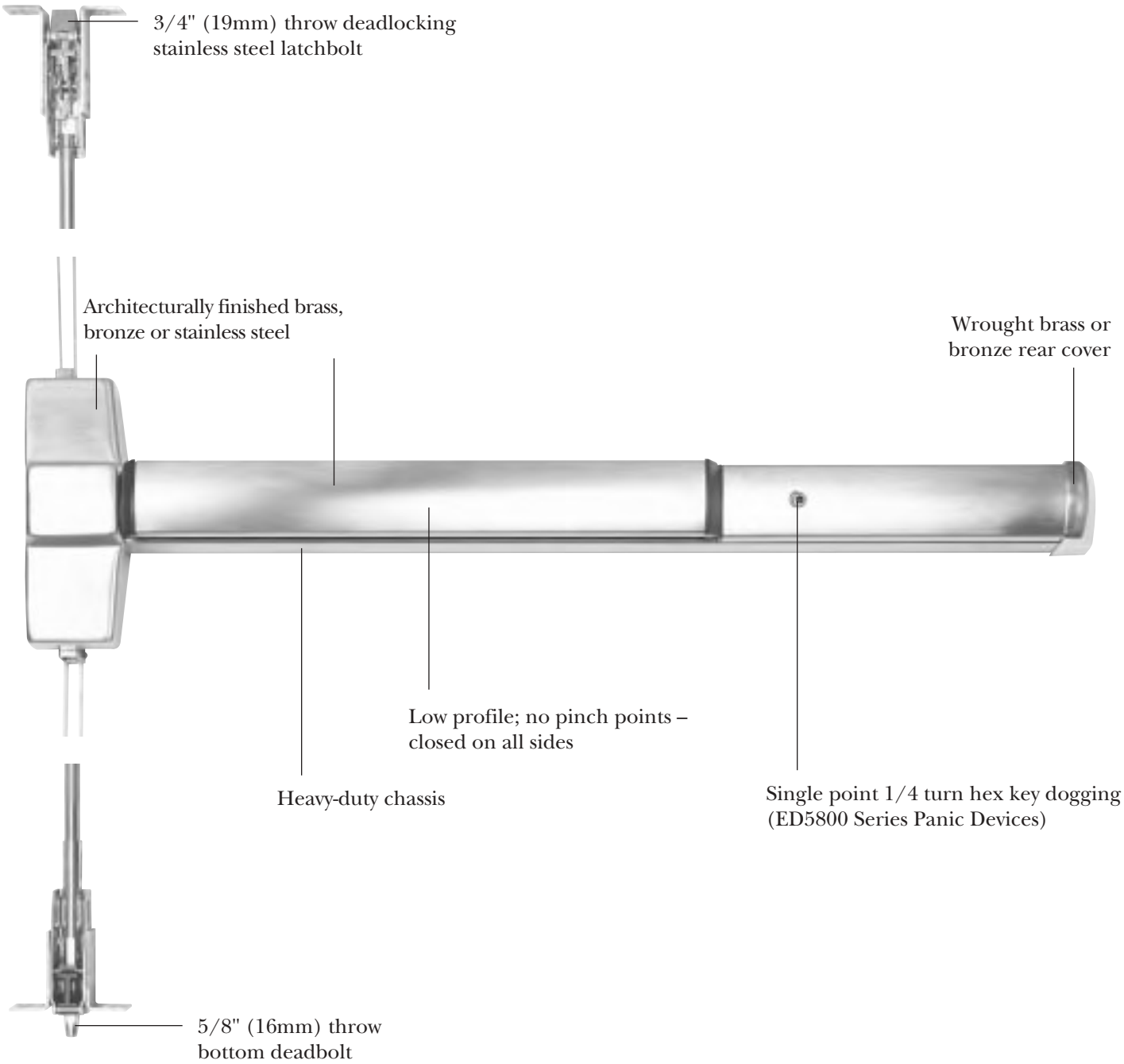
ADA
Exit devices, lever trims and pulls comply with Americans with Disabilities Act.

Finishes

BHMA 605	**Bright Brass**
BHMA 606	**Satin Brass**
BHMA 611	**Bright Bronze**
BHMA 612	**Satin Bronze**
BHMA 613	**Dark Oxidized Satin Bronze, oil rubbed**
BHMA 625	**Bright Chromium Plated**
BHMA 626	**Satin Chromium Plated**
BHMA 629	**Bright Stainless Steel**
BHMA 630	**Satin Stainless Steel**

ED5800 and ED5800A Concealed Vertical Rod Exit Devices

FOR USE WITH METAL DOORS ONLY



ED5860 Panic-Listed Concealed Vertical Rod Exit Device
ED5860B 1-1/2 Hour Fire-Listed Concealed Vertical Rod Exit Device

FOR USE WITH METAL OR WOOD DOORS

Features

Handing
Device is handed but is easily field reversible.
Lever trim is handed.

Bar length
Easily field cut to size.
Standard: 36" (914mm) bar fits 30"- 36" (762mm-914mm) door.
Optional: 24" (610mm) bar fits 24" (610mm) door; specify W024.
Optional: 48" (1219mm) bar fits 36"-48" (914mm-1219mm) door; specify W048.

Door Thickness
1-3/4" (14mm) standard.
Optional: 2" (51mm); specify D200.
Optional: 2-1/4" (57mm); specify D214.

Stile
Minimum width 4-1/2" (114mm).

Door Height
Standard: top rod for 8' door.
Telescoping rod assembly to accommodate various door heights.
Optional door heights up to 10' available; see Quick Codes, page 50.

Latchbolt
Top: 3/4" (19mm) throw, stainless steel, pullman-type with automatic deadlatching.
Bottom: 5/8" (16mm) throw deadbolt, held retracted during door swing.

Vertical Rods
1/2" O.D. tubing, electroplated for corrosion resistance.

Less Bottom Rod
Optional on ED5860 and ED5860B devices only; specify M55.

Heat-Activated Door Bolt (Popper)
Standard with all fire-rated devices with M55 option (less bottom rod).

Materials
Heavy-duty cold-forged steel chassis; heavy-gauge steel mechanisms, electroplated for corrosion resistance; finished parts are brass, bronze or stainless steel; stainless steel springs; nylon bearings.

Projection
3-1/4" (83mm) active, 2-3/4" (70mm) dogged.

Dogging
Standard on panic devices; single-point 1/4 turn hex key dogging.
Optional: less dogging, specify M51.
Optional: cylinder dogging, specify M52.
Optional: electric dogging; specify M97.
Mechanical dogging not available on fire-rated devices.

Fasteners
Standard on panic devices: machine screws and wood door fasteners.
Standard on fire-rated devices: sex nuts and bolts.
Optional on panic devices: sex nuts and bolts for use on wood, composite, or unreinforced metal doors; specify M54.
Optional wood screws for use on approved fire-rated solid wood or wood core doors. Specify M64.

Strike
Top: mortise.
Bottom: flush mounted.
Optional strikes available; see Options and Accessories, page 45.

Functions and Trims
Through-bolted lever, **(900 series heavy-duty trim only)** available with wide range of functions; see Trims and Functions, pages 20-21.

Cylinders
Cylinder not included unless specified. See Quick Codes, page 50.

Shim Kit
Optional for mounting device over raised vision light molding; specify M58.

Applications and Listings
For use with metal or wood doors. See pages 4-5.

Warranty
Five-year limited.

Certification/Compliance

ANSI
Meets A156.3, Type 7 and 8, Grade 1.
Meets A117.1 Accessibility Code.

UL/cUL
All devices listed for safety as panic hardware; devices comply with UL 305 standards for panic hardware. 1-1/2 hour fire-rated devices listed as fire exit hardware for B label and lesser class 8' x 10' double doors; UL symbol on active case cover indicates listings.

California State Reference Code
This product has been approved by the California State Fire Marshal pursuant to section 13144.1 of the California Health and Safety Code.

NFPA
All exit devices comply with NFPA 101 Life Safety Code.

All fire-rated devices comply with NFPA 80 Fire Doors and Windows.

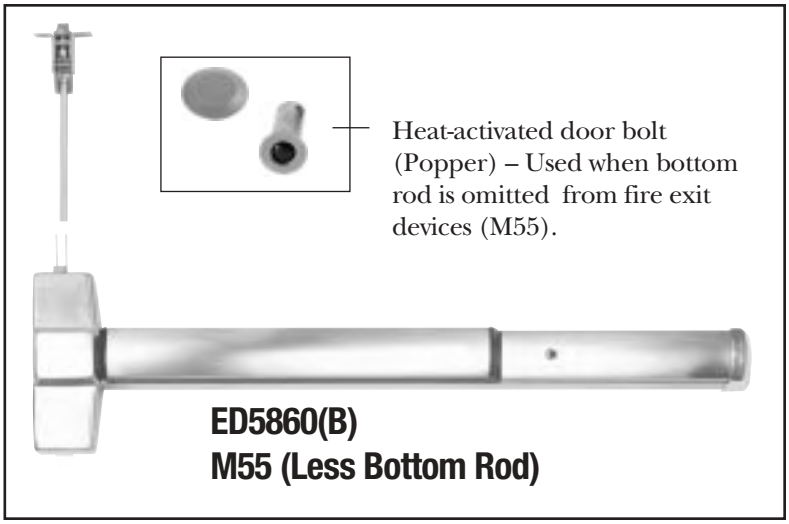
ADA
Exit devices, lever trims and pulls comply with Americans with Disabilities Act.

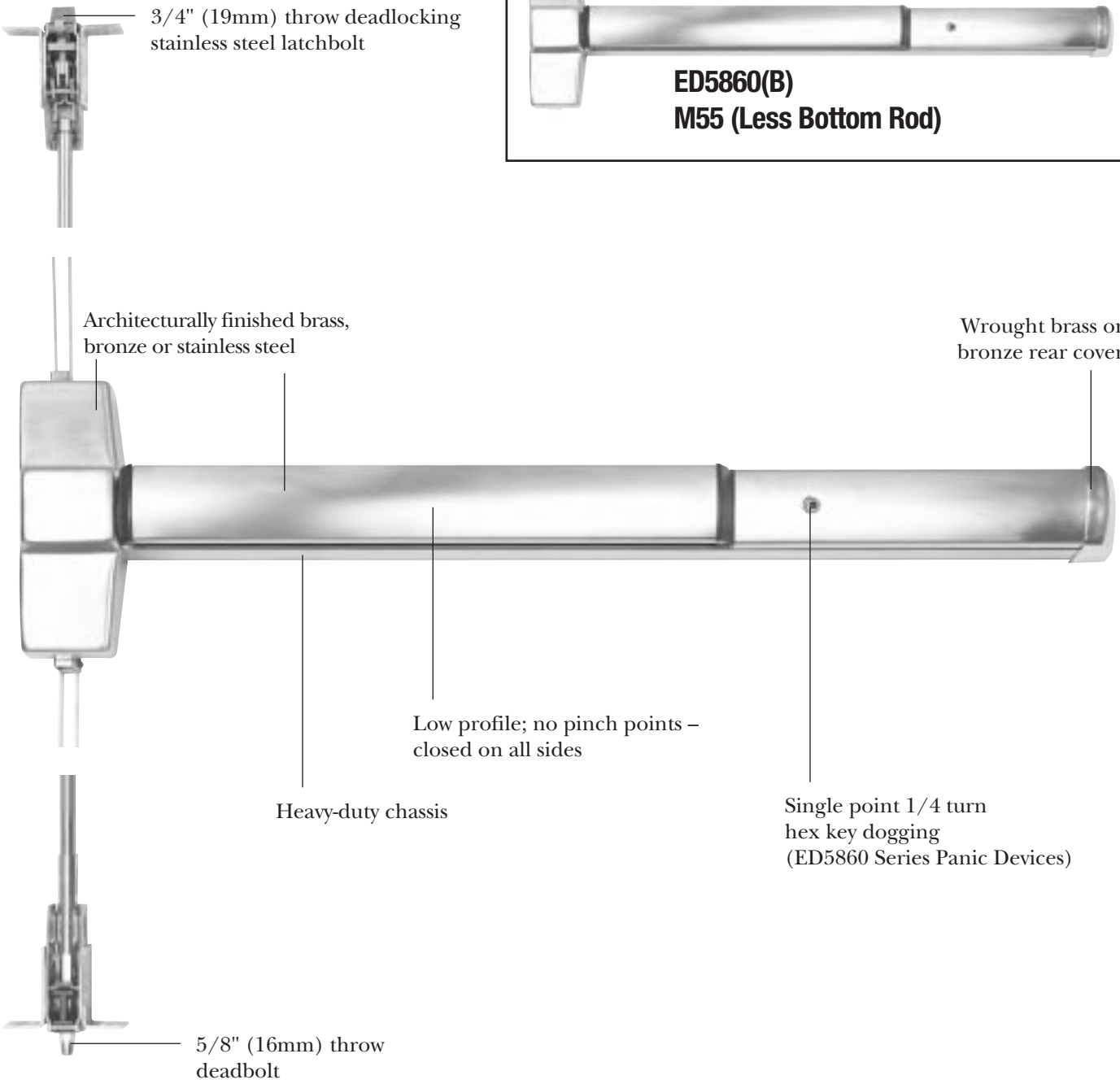
Finishes

BHMA 605	**Bright Brass**
BHMA 606	**Satin Brass**
BHMA 611	**Bright Bronze**
BHMA 612	**Satin Bronze**
BHMA 613	**Dark Oxidized Satin Bronze, oil rubbed**
BHMA 625	**Bright Chromium Plated**
BHMA 626	**Satin Chromium Plated**
BHMA 629	**Bright Stainless Steel**
BHMA 630	**Satin Stainless Steel**

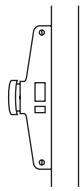
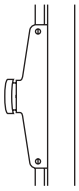
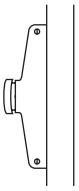
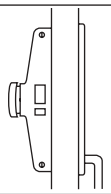
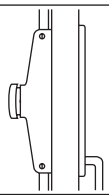
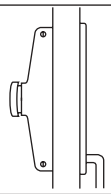
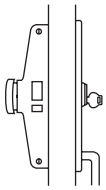
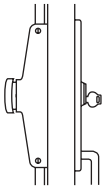
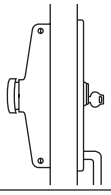
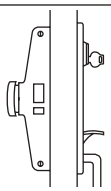
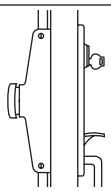
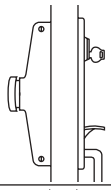
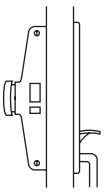
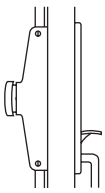
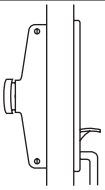
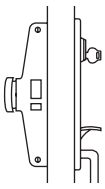
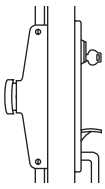
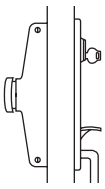
ED5860 and ED5860B Concealed Vertical Rod Exit Devices

FOR USE WITH METAL OR WOOD DOORS



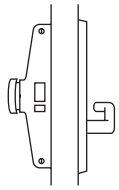
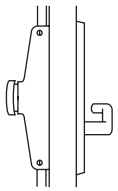
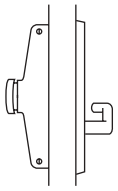
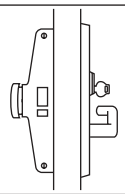
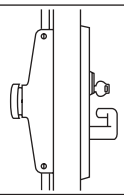
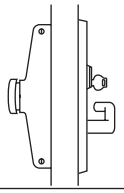
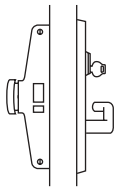
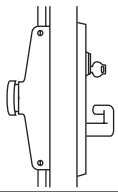
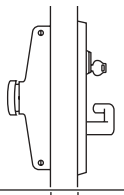
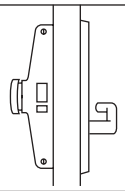
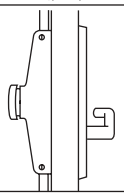
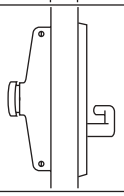
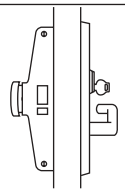
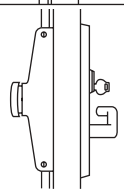
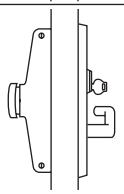


Pull and Thumpiece Trim

Rim/SecureBolt™ ED5200(A) ED5200S(A) Inside Outside	Surface Vertical Rod ED5400(A) ED5470(B) Inside Outside	Concealed Vertical Rod ED5800(A) ED5860(B) Inside Outside	Type	ANSI No.	Function Description
			**Exit Only**	**01**	Exit only; no trim.
			**Dummy**	**02**	Entrance by trim when actuating bar is locked down.
			**Nightlatch**	**03**	Entrance by trim when latchbolt is released by key. Key removable only when locked.
			**Classroom***	**05**	Entrance by thumbpiece. Key locks or unlocks thumbpiece.
			**Passage**	**15**	Entrance by trim when latch is released by thumbpiece. Thumbpiece is always active, no cylinder.
			**Storeroom (Thumbpiece Active)**	**06**	Entrance by thumbpiece only when released by key. Key removable only when locked.

*Classroom function trims can be converted to Storeroom function by a simple field adjustment.

Lever and Knob Trim

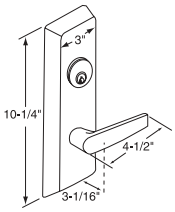
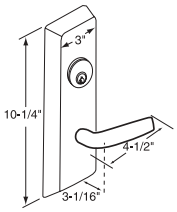
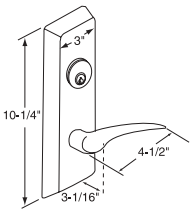
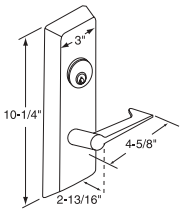
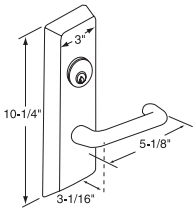
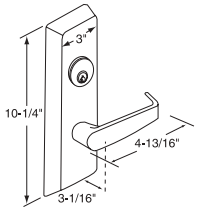
Rim/SecureBolt™ ED5200(A) ED5200S(A) Inside Outside	Surface Vertical Rod ED5400(A) ED5470(B) Inside Outside	Concealed Vertical Rod ED5800(A) ED5860(B) Inside Outside	Type	ANSI No.	Function Description
			**Dummy**	**02**	Entrance by trim when actuating bar is locked down.
			**Nightlatch**	**03**	Entrance by trim when latchbolt is released by key. Key removable only when locked.
			**Classroom***	**08**	Entrance by knob or lever. Key locks or unlocks knob or lever.
			**Passage**	**14**	Entrance by trim when latchbolt is released by knob or lever. Knob or lever always active, no cylinder.
			**Storeroom (Grip Active)**	**09**	Entrance by knob or lever only when released by key. Key removable only when locked.

*Classroom function trims can be converted to Storeroom function by a simple field adjustment.

ED5000 Series Pushpad Exit Devices

Heavy-Duty Trims & Functions

Features:
- Free Wheeling vandal-resistant design
- Beveled edges
- Through-bolted to exit device
- Flush cylinder with 6-pin cylinder applications
- 5-year limited warranty

	Trim Design	Rim, SecureBolt™, Vertical Rod				
		Passage ANSI No. 14	Dummy ANSI No. 02	Classroom ANSI No. 08	Nightlatch ANSI No. 03	Storeroom ANSI No. 09
Armstrong **A9** Lever: Cast Escutcheon: Forged Cylinder: Rim		A910	A950	A955*	A957	A959
Citation **C9** Lever: Cast Escutcheon: Forged Cylinder: Rim		C910	C950	C955*	C957	C959
Dirke **D9** Lever: Cast Escutcheon: Forged Cylinder: Rim		D910	D950	D955*	D957	D959
Essex **E9** Lever: Cast Escutcheon: Forged Cylinder: Rim		E910	E950	E955*	E957	E959
Lustra **L9** Lever: Cast Escutcheon: Forged Cylinder: Rim		L910	L950	L955*	L957	L959
Newport **N9** Lever: Cast Escutcheon: Forged Cylinder: Rim		N910	N950	N955*	N957	N959

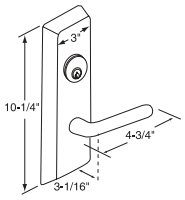
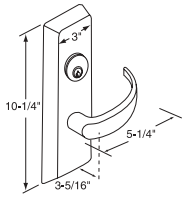
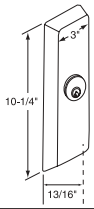
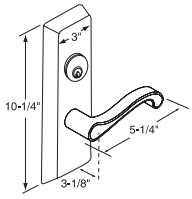
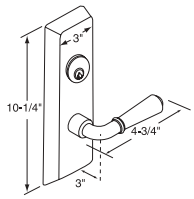
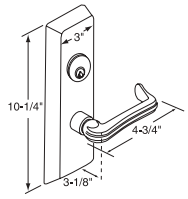
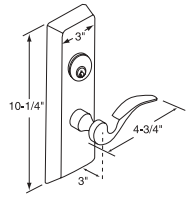
*Note: Classroom function trims can be converted to Storeroom function by a simple field adjustment.

Corbin Russwin®

ED5000 Series Pushpad Exit Devices

Heavy-Duty Trims & Functions

Features:
- Free Wheeling vandal-resistant design
- Beveled edges
- Through-bolted to exit device
- Flush cylinder with 6-pin cylinder applications
- 5-year limited warranty

	Trim Design	Rim, SecureBolt™, Vertical Rod				
		Passage ANSI No. 14	Dummy ANSI No. 02	Classroom ANSI No. 08	Nightlatch ANSI No. 03	Storeroom ANSI No. 09
Regis **R9** Lever: Cast Escutcheon: Forged Cylinder: Rim		R910	R950	R955*	R957	R959
Princeton **PR9** Lever: Cast Escutcheon: Forged Cylinder: Rim		PR910	PR950	PR955*	PR957	PR959
Escutcheon **F9** Escutcheon: Forged Cylinder: Rim		N/A	F950 **	N/A	F957**	N/A
Frascati **FR9** Lever: Cast Escutcheon: Forged Cylinder: Rim		FR910	FR950	FR955*	FR957	FR959
Merlot **M9** Lever: Cast Escutcheon: Forged Cylinder: Rim		M910	M950	M955*	M957	M959
Tuscany **TS9** Lever: Cast Escutcheon: Forged Cylinder: Rim		TS910	TS950	TS955*	TS957	TS959
Zinfandel **Z9** Lever: Cast Escutcheon: Forged Cylinder: Rim		Z910	Z950	Z955*	Z957	Z959

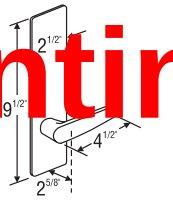
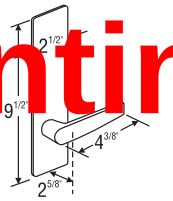
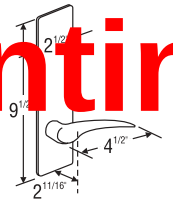
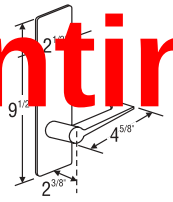
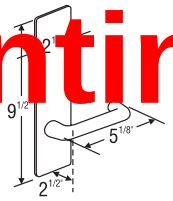
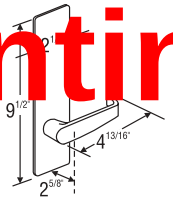
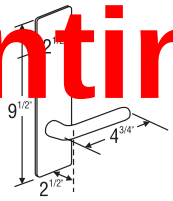
*Note: Classroom function trims can be converted to Storeroom function by a simple field adjustment.
** Not recommended for use with surface or concealed vertical rod exit devices.

Corbin Russwin®

ED5000 Series Pushpad Exit Devices

Utility Trims and Functions

Features:
- Free Wheeling lever
- Through-bolted to exit device
- Welded posts
- 1/4-20 fastening screws
- 1-year limited warranty

	Trim Design	Rim, SecureBolt™, Vertical Rod			
		Passage ANSI No. 14	Dummy ANSI No. 02	Classroom* ANSI No. 08	Storeroom ANSI No. 09
Armstrong 7 Lever: Cast Escutcheon: Wrought Cylinder: Rim		A710	A750	A755*	A759
Citation 7 Lever: Cast Escutcheon: Wrought Cylinder: Rim		C710	C750	C755*	C759
Dirke 7 Lever: Cast Escutcheon: Wrought Cylinder: Rim		D710	D750	D755*	D759
Essex 7 Lever: Cast Escutcheon: Wrought Cylinder: Rim		E710	E750	E755*	E759
Lustra 7 Lever: Cast Escutcheon: Wrought Cylinder: Rim		L710	L750	L755*	L759
Newport 7 Lever: Cast Escutcheon: Wrought Cylinder: Rim		N710	N750	N755*	N759
Regis 7 Lever: Cast Escutcheon: Wrought Cylinder: Rim		R710	R750	R755*	R759

Discontinued

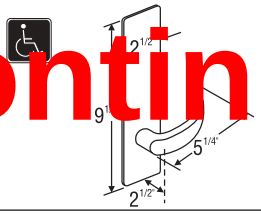
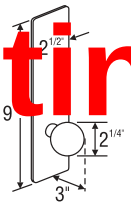
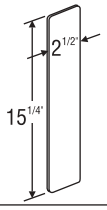
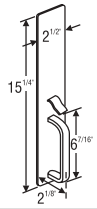
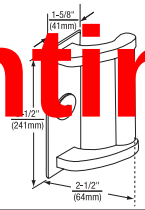
*Note: Classroom function trims can be converted to Storeroom function by a simple field adjustment.

Corbin Russwin®

ED5000 Series Pushpad Exit Devices

Utility Trims and Functions

Features:
- Free Wheeling lever
- Through-bolted to exit device
- Welded posts
- 1/4-20 fastening screws
- 1-year limited warranty

	Trim Design	Rim, SecureBolt™, Vertical Rod			
		Passage ANSI No. 14/15	Dummy ANSI No. 02	Classroom ANSI No. 05/08	Storeroom/ Nightlatch ANSI No. 03/06/09
	Princeton **PR7** Lever: Cast Escutcheon: Wrought Cylinder: Rim		PR710 (14)	PR750	PR755* (08)	PR759 (09)
	Global **G7** Knob: Wrought Escutcheon: Wrought Cylinder: Rim		G710 (14)	G750	G755* (08)	G759 (09)
	Plate (Short) **F2** Plate: Wrought Cylinder: Rim		N/A	F250	N/A	F257 (03)
	Plate (Long) **F3** Plate: Wrought Cylinder: Rim		N/A	F350**	N/A	F357** (03)
	Pull/Thumbpiece **T13** Pull: Cast Escutcheon: Wrought Cylinder: Rim		T1310 (15)	T1350**	T1355* (05)	T1357** (03)
	Offset Pull **P9** Pull: Extruded Escutcheon: Wrought Cylinder: Rim		N/A	P950	N/A	P957 (03)
	Key Only **K1**** Note: Available with cylinder option only. Ex: K157 x 6P.		N/A	N/A	N/A	K157 (03)

Discontinued

Discontinued

Discontinued

Discontinued

*Note: Classroom function trims can be converted to Storeroom function by a simple field adjustment.
**Not recommended for use with surface or vertical rod exit devices.

ED5600 Panic-Listed Mortise Exit Device
ED5600A 3-Hour Fire-Listed Mortise Exit Device

Features

Handing
Device is non-handed.
Mortise lock body is handed.
Lever trim is non-handed.

Bar length
Easily field cut to size.
Standard: 36" (914mm) bar fits 30"- 36" (762mm-914mm) door.
Optional: 24" (610mm) bar fits 24" (610mm) door; specify W024.
Optional: 48" (1219mm) bar fits 36"-48" (914mm-1219mm) door; specify W048.

Door Thickness
1-3/4" (44mm) standard.
Optional: 2" (51mm); specify D200.
Optional: 2-1/4" (57mm); specify D214.

Stile
Minimum width 4-1/2" (114mm).

Latchbolt
2-piece mechanical, 3/4" (19mm) throw, stainless steel with auxiliary deadlocking latch.

Materials
Heavy-duty cold-forged steel chassis; heavy-gauge steel mechanisms, electroplated for corrosion resistance; finished parts are brass, bronze or stainless steel; stainless steel springs; nylon bearings.

Projection
3-1/4" (83mm) active, 2-3/4" (70mm) dogged.

Dogging
Standard on panic devices; single-point 1/4 turn hex key dogging.
Optional: less dogging, specify M51.
Optional: cylinder dogging, specify M52.
Optional: electric dogging; specify M97.
Mechanical dogging not available on fire-rated devices.

Fasteners
Standard on panic devices: machine screws and wood door fasteners.
Standard on fire-rated devices: sex nuts and bolts.
Optional on panic devices: sex nuts and bolts for use on wood, composite, or unreinforced metal doors; specify M54.
Optional wood screws for use on approved fire-rated solid wood or wood core doors. Specify M64.

Strike
Non-handed. ANSI curved lip standard. 4-7/8" x 1-1/4" x 1-1/4" lip to center.
Optional strikes available; see Options and Accessories, page 45.

Functions and Trims
Through-bolted lever, knob, pull and thumbpiece trims available with wide range of functions; see Trims and Functions, pages 28-31.

Cylinders
Cylinder not included unless specified. See Quick Codes, page 50.

Shim Kit
Optional for mounting device over raised vision light molding; specify M58.

Applications and Listings
See page 4.

Warranty
Five-year limited.

Certification/Compliance

ANSI
Meets A156.3, Type 3, Grade 1.
Meets A117.1 Accessibility Code.

UL/cUL
All devices listed for safety as panic hardware; devices comply with UL 305 standards for panic hardware. Three-hour fire-rated devices listed as fire exit hardware for A label and lesser class 4' x 8' single or 8' x 8' double doors; UL symbol on active case cover indicates listings.

California State Reference Code
This product has been approved by the California State Fire Marshal pursuant to section 13144.1 of the California Health and Safety Code.

NFPA
All exit devices comply with NFPA 101 Life Safety Code.

All fire-rated devices comply with NFPA 80 Fire Doors and Windows.

ADA
Exit devices, lever trims and pulls comply with Americans with Disabilities Act.

Finishes

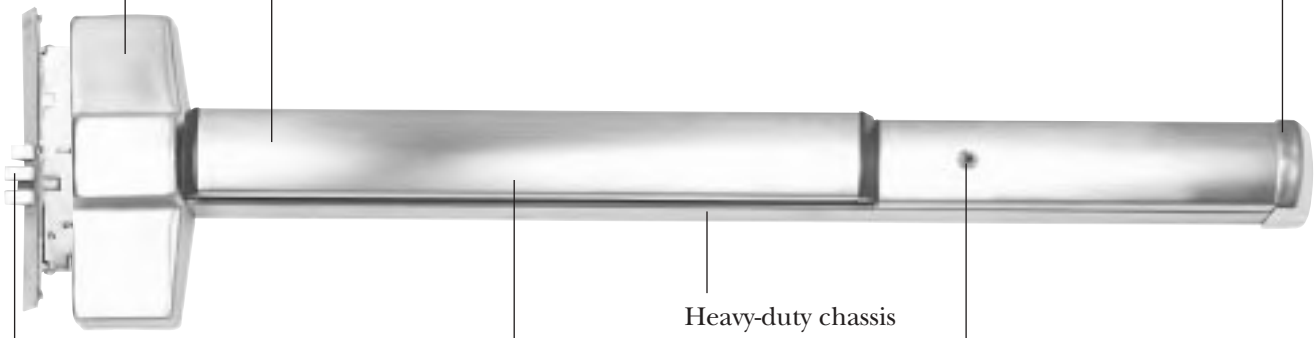
BHMA 605	**Bright Brass**
BHMA 606	**Satin Brass**
BHMA 611	**Bright Bronze**
BHMA 612	**Satin Bronze**
BHMA 613	**Dark Oxidized Satin Bronze, oil rubbed**
BHMA 625	**Bright Chromium Plated**
BHMA 626	**Satin Chromium Plated**
BHMA 629	**Bright Stainless Steel**
BHMA 630	**Satin Stainless Steel**

ED5600K, ED5657K
ED5600L, ED5657L
ED5600T, ED5657T
Mortise Panic-Listed Exit Devices

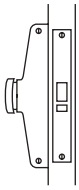
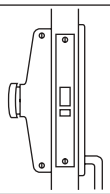
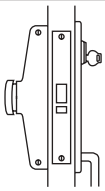
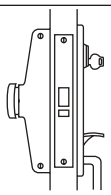
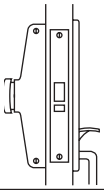
ED5600AK, ED5657AK
ED5600AL, ED5657AL,
ED5600AT, ED5657AT
Mortise Fire-Listed Exit Devices

Mortise Exit

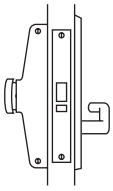
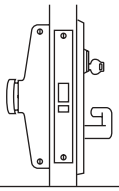
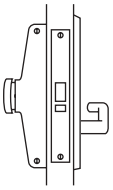
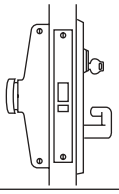
Trim Type	Functions	Panic	Fire
Knob	Passage	ED5600K	ED5600AK
	Classroom		
	Nightlatch	ED5657K	ED5657AK
	Dummy		
Lever or Flat Plate	Passage	ED5600L	ED5600AL
	Classroom		
	Nightlatch	ED5657L	ED5657AL
	Dummy		
Thumbpiece	Passage	ED5600T	ED5600AT
	Classroom		
	Nightlatch	ED5657T	ED5657AT
	Dummy		



Exit Only, Pull and Thumbpiece Trim

Mortise ED5600 ED5600A Inside Outside	Type	ANSI No.	Function Description
	**Exit Only**	**01**	Exit only; no trim.
	**Dummy**	**02**	Entrance by trim when actuating bar is locked down.
	**Nightlatch**	**03**	Entrance by trim when latchbolt is released by key. Key removable only when locked.
	**Classroom**	**05**	Entrance by thumbpiece. Key locks or unlocks thumbpiece.
	**Passage**	**15**	Entrance by trim when latch is released by thumbpiece. Thumbpiece always active, no cylinder.

Lever and Knob Trim

Mortise ED5600 ED5600A Inside / Outside	Type	ANSI No.	Function Description
	**Dummy***	**02**	Entrance by trim when actuating bar is locked down.
	**Classroom****	**08**	Entrance by knob or lever. Key locks or unlocks knob or lever.
	**Passage***	**14**	Entrance by trim when latchbolt is released by knob or lever. Knob or lever always active, no cylinder.
	**Nightlatch****	**03**	Entrance by trim when latchbolt is released by key. Key removable only when locked.

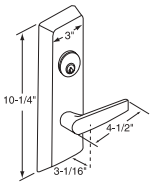
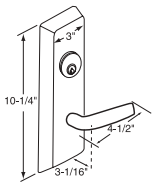
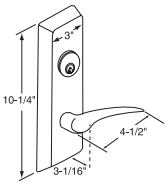
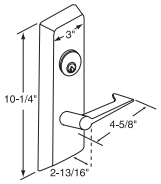
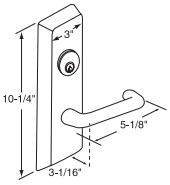
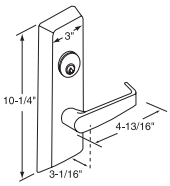
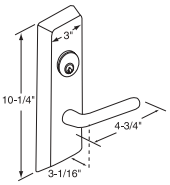
*Dummy and passage function trims are the same.
**Classroom and Nightlatch function trims are the same. Trim function must be specified when ordered with an exit to ensure that the correct lock body is supplied with the device.

Corbin Russwin®

ED5000 Series Pushpad Exit Devices

Heavy-Duty Mortise Trims & Functions

Features:
- Beveled edges
- Rigid lever when locked
- Flush cylinder
- Through-bolted to exit device
- 5-year limited warranty

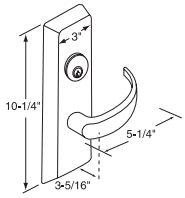
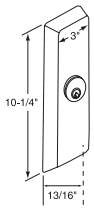
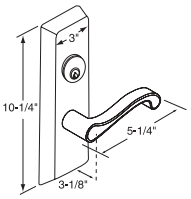
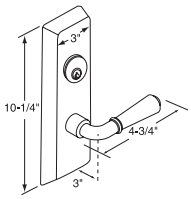
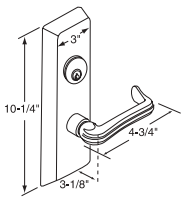
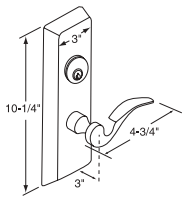
	Trim Design	Passage ANSI No. 14	Dummy ANSI No. 02	Classroom ANSI No. 08	Nightlatch ANSI No. 03
	Armstrong **A9M** Lever: Cast Escutcheon: Forged Cylinder: 1-1/2" Mortise		A9M10	A9M50	A9M55	A9M57
	Citation **C9M** Lever: Cast Escutcheon: Forged Cylinder: 1-1/2" Mortise		C9M10	C9M50	C9M55	C9M57
	Dirke **D9M** Lever: Cast Escutcheon: Forged Cylinder: 1-1/2" Mortise		D9M10	D9M50	D9M55	D9M57
	Essex **E9M** Lever: Cast Escutcheon: Forged Cylinder: 1-1/2" Mortise		E9M10	E9M50	E9M55	E9M57
	Lustra **L9M** Lever: Cast Escutcheon: Forged Cylinder: 1-1/2" Mortise		L9M10	L9M50	L9M55	L9M57
	Newport **N9M** Lever: Cast Escutcheon: Forged Cylinder: 1-1/2" Mortise		N9M10	N9M50	N9M55	N9M57
	Regis **R9M** Lever: Cast Escutcheon: Forged Cylinder: 1-1/2" Mortise		R9M10	R9M50	R9M55	R9M57

Corbin Russwin®

ED5000 Series Pushpad Exit Devices

Heavy-Duty Mortise Trims & Functions

Features:
- Beveled edges
- Rigid lever when locked
- Flush cylinder
- Through-bolted to exit device
- 5-year limited warranty

	Trim Design	Passage ANSI No. 14	Dummy ANSI No. 02	Classroom ANSI No. 08	Nightlatch ANSI No. 03
	Princeton **PR9M** Lever: Cast Escutcheon: Forged Cylinder: 1-1/2" Mortise		**PR9M10**	**PR9M50**	**PR9M55**	**PR9M57**
	Escutcheon **F9** Escutcheon: Forged Cylinder: 1-1/2" Mortise		**N/A**	**F950 ***	**N/A**	**F9M57 ***
	Frascati **FR9M** Lever: Cast Escutcheon: Forged Cylinder: 1-1/2" Mortise		**FR9M10**	**FR9M50**	**FR9M55**	**FR9M57**
	Merlot **M9M** Lever: Cast Escutcheon: Forged Cylinder: 1-1/2" Mortise		**M9M10**	**M9M50**	**M9M55**	**M9M57**
	Tuscany **TS9M** Lever: Cast Escutcheon: Forged Cylinder: 1-1/2" Mortise		**TS9M10**	**TS9M50**	**TS9M55**	**TS9M57**
	Zinfandel **Z9M** Lever: Cast Escutcheon: Forged Cylinder: 1-1/2" Mortise		**Z9M10**	**Z9M50**	**Z9M55**	**Z9M57**

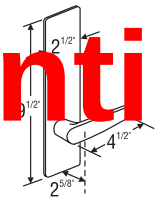
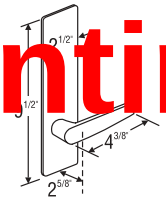
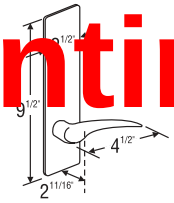
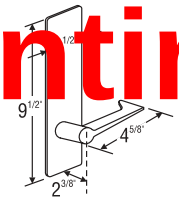
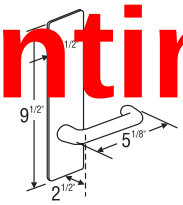
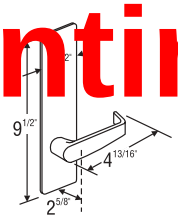
* Not recommended for use with surface or vertical rod exit devices.

Corbin Russwin®

ED5000 Series Pushpad Exit Devices

Mortise Utility Trims & Functions

Features:
- Through-bolted to exit device
- Rigid lever when locked
- 1/4-20 fastening screws
- Architecturally finished brass, bronze and stainless steel
- 1-year limited warranty

	Trim Design	Passage ANSI No. 14	Dummy ANSI No. 02	Classroom ANSI No. 08	Nightlatch ANSI No. 03
Armstrong A7M Lever: Cast Escutcheon: Wrought Cylinder: Mortise		A7M10	A7M50	A7M55	A7M57
Citation C7M Lever: Cast Escutcheon: Wrought Cylinder: Mortise		C7M10	C7M50	C7M55	C7M57
Dirke D7M Lever: Cast Escutcheon: Wrought Cylinder: Mortise		D7M10	D7M50	D7M55	D7M57
Essex E7M Lever: Cast Escutcheon: Wrought Cylinder: Mortise		E7M10	E7M50	E7M55	E7M57
Lustra L7M Lever: Cast Escutcheon: Wrought Cylinder: Mortise		L7M10	L7M50	L7M55	L7M57
Lewton N7M Lever: Cast Escutcheon: Wrought Cylinder: Mortise		N7M10	N7M50	N7M55	N7M57

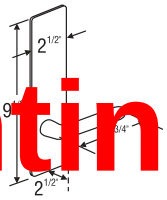
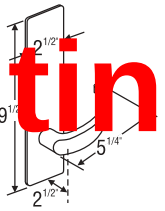
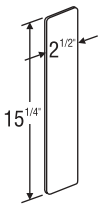
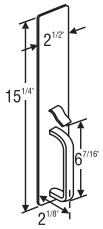
Discontinued

Corbin Russwin®

ED5000 Series Pushpad Exit Devices

Mortise Utility Trims & Functions

Features:
- Through-bolted to exit device
- Rigid lever when locked
- 1/4-20 fastening screws
- Architecturally finished brass, bronze and stainless steel
- 1-year limited warranty

	Trim Design	Passage ANSI No. 14/15	Dummy ANSI No. 02	Classroom ANSI No. 05/08	Nightlatch ANSI No. 03
	Regis **R7M** Lever: Cast Escutcheon: Wrought Cylinder: Mortise Discontinued		R7M10 (14)	R7M50	R7M55 (08)	R7M57
	Princeton **PR7M** Lever: Cast Escutcheon: Wrought Cylinder: Mortise Discontinued		PR7M10 (14)	PR7M50	PR7M55 (08)	PR7M57
	Global **G7M** Knob: Wrought Escutcheon: Wrought Cylinder: Mortise Discontinued		G7M10 (14)	G7M50	G7M55 (08)	G7M57
	Plate (Short) **F2, F3M** Plate: Wrought Cylinder: Mortise Discontinued		N/A	F250	N/A	F2M57
	Plate (Long) **F3, F3M** Plate: Wrought Cylinder: Mortise		N/A	F350 **	N/A	F3M57 **
	Pull/Thumbpiece **T13, T13M** Pull: Cast Escutcheon: Wrought Cylinder: Mortise		T13M10 (15)	T1350***	T13M55 (05)	T13M57***

*Pull only, no thumbpiece.
** Not recommended for use with surface or concealed vertical rod exit devices.

Electrified Exit Devices

The Corbin Russwin ED5000 series electrified exit devices offer a complete range of options that may be integrated into the monitoring security and alarm systems of most buildings. The continuum of appearance is maintained, as well as the security and function of the ED5000 mechanical exit device.

List No.	Exit Device Description	Available options											
		M61	M91	M92	M93	M94	M97	SAF	SE		D	9903	9905
ED5200 (A)	Rim Exit Device	x	x	x	x	x	x				x	x	x
ED5200S (A)	Rim SecureBolt™ Device	x	x	x	x	x	x				x	x	x
ED5400 (A)	Surface Vertical Rod	x	x	x	x	x	x				x	x	x
ED5470 (B)	Surface Vertical Rod	x	x	x	x	x	x				x	x	x
ED5600 (A)	Mortise Exit Device	x	x	x	x	x	x	x	x		x		
ED5800 (A)	Concealed Vertical Rod	x	x	x	x	x	x				x		
ED5860 (B)	Concealed Vertical Rod	x	x	x	x	x	x				x		

Electrified Hardware Option Descriptions

M61	Alarm Option
M91	Bolt Monitor
M92	Touchbar Monitor
M93	Trim Monitor
M94	Latch Retraction
M97	Electric Dogging
SAF	Fail Safe Operation
SEC	Fail Secure Operation
D	Delayed Egress
9903	Fail Safe Electrified Trim
9905	Fail Secure Electrified Trim

Note 1: The following options cannot be ordered together on the same device:

a) D x M52
b) D x M61
c) D x M92
d) D x M94
e) D x M97
f) M52 x M61
g) M52 x M97
h) M61 x M92
i) M94 x M97
j) ED5400 x M61 with Monitors M91, M92 or M93
k) ED6500 x M91 and M93
l) ED5600 SAF x M91 or M93
m) ED5600 SEC x M91 or M93

Note 2: When ordering a surface vertical rod exit device with the D option, rod and latch guards (provided by other) must be used.

Note 3: M88 (NFPA30) M89 (BOCA-15) and M90 (BOCA-30) are available only as options for suffix "D" Delayed Egress Exit Devices. See pg. 34 for details

Electric Latch Pullback - M94

Continuous-duty solenoid retracts the latch bolt(s) for momentary or maintained periods of time. Latch Pullback provides a remote means of unlocking exit devices.

Application

SecureBolt™ Exit Devices
Rim Exit Devices
Surface Vertical Rod Exit Devices
Concealed Vertical Rod Exit Devices
Mortise Exit Devices

Listings

UL listed for both Panic and Fire Exit Hardware.

Electrical Specifications

Requires 781N Controller (120VAC input, output sequencer for one or two devices). No substitutes; using other power sources voids warranty. Requires a 4-wire electrical transfer pivot or hinge.

Solenoid

A dual retraction/holder-type solenoid.

6-9 Amp in rush @ 24VDC to 28VDC (.172 Amp holding-continuous duty.)

Device bolts remain retracted for as long as the device is energized. Removal of power returns the device to the life safety, self-latching mechanical mode.

Interface with central or local fire alarm system, automatic door operators, access control systems, security alarm systems, and blow open door systems.

Note: This feature is not available with Electric Dogging (M97) on the same device.

How to Order

Specify Quick Code M94.

Electric Dogging - M97

This electronic feature will provide continuous dogging when power is applied and the push bar is depressed manually. Interruption or removal of the power will release the pushbar and return the exit device back to normal operation.

Application

SecureBolt™ Exit Devices
Rim Exit Devices
Surface Vertical Rod Exit Devices
Concealed Vertical Rod Exit Devices
Mortise Exit Devices

Listings

UL listed for both Panic and Fire Exit Hardware.

Electrical Specifications

.35 Amps @ 24VDC continuous duty (2) 36 volt holding magnets holding force (86 lbf. total)

Note: This feature is not available with Electric Latch Pullback (M94) on the same device.

How to Order

Specify Quick Code M97.

Mortise Device Trim Control Safe or Secure

Mortise device trim control provides a remote means of locking and unlocking the outside lever trim. This feature is provided by continuous duty solenoids in the device mortise lock.

Application

Mortise Exit Devices

Listings

UL listed for both Panic and Fire Exit Hardware.

Electrical Specifications

24VDC 330 milliamperes

Fail Safe units maintain the door locked as long as the device is energized.

Fail Secure units maintain the door unlocked as long as the device is energized.

Regulated 24VDC power supply required.

Note: SAF & SEC options are only available with ED5600L lock body functions and may not be combined with either the M91 or M93 monitoring options.

How to Order

Specify Quick Code "SAF" for Safe or "SEC" for Secure.

Delayed Egress Exit Device

The delayed egress option provides additional security and safety in a strong line of exit hardware. The delayed egress exit device is an electromechanical device used to secure interior or exterior openings.

Operation

The exit door is normally closed and latched. The Delayed Egress Exit Device "D" secures the door in the locked mode with the solid Red LED indicating locked mode status. Depressing the pushpad for less than 3 seconds will sound the nuisance beep without initiating the alarm. Depressing the pushpad for 3 seconds or longer will initiate an irreversible local audible beeping tone and a visual amber indicator until the device releases. The person depressing the exit bar is denied egress for 15 or 30 seconds and security personnel are alerted. After the delay time of 15 or 30 seconds the device releases, the LED changes to Green, and the alarm changes to a steady tone which continues to alarm until manually reset by key. The remote monitoring contact outputs can be used to alert security personnel.

Note: The 15-second time delay is standard. 30-second time delay is optional (may be accepted by local jurisdiction).

Applications

- For use on hollow metal, wood or composite interior or exterior doors.
- Available for rim, SecureBolt™, surface vertical rod, concealed vertical rod and mortise panic and fire-rated exit devices. For surface vertical rod exit devices, rod and latch guards (provided by other) must be used.
- Complies with NFPA 101 "Code For Safety To Life From Buildings And Structures" by National Fire Protection Association.
- BOCA options available to comply with National Building Code requirements. BOCA option is not suitable for installations in accordance with NFPA 101.
- 1-3/4" (45mm) door thickness standard; 2" (51mm) and 2-1/4" (57mm) optional; specify D200 or D214 when ordering.

- Standard 36" device fits 36" doors only. Device cannot be cut less than 36".
- Option W048 fits doors 42" – 48". Devices cannot be cut less than 42".

Listing

- UL/cUL Listed
  - Fire Exit Hardware (GXHX/GXHX7)
  - Controlled Exit Panic Device (FUKD/FUKD7)
  - Special Locking Arrangements (FWAX/FWAX7)
- BHMA (ANSI A156.3 and ANSI A156.24) Directory of Certified Exit Devices

Specifications

Input Voltage: 24VDC (+/- 10%) Regulated and filtered.

Power Consumption

- Standard Device: 500 mA
- Device with Electric Trim Control: 1.5 Amp
- Mortise Device with "Safe" or "Secure" option: 1.5 Amp

Standard Features

Key Switch Operation:

- Normal: The system is armed by applying power to the device (solid Red LED). Depressing the pushpad for more than the nuisance delay time starts the exit delay cycle.
- Bypass: Turning the key switch clockwise to the bypass position allows immediate egress without alarming. The bar functions as a standard exit device. (Red LED flashes slow.)
- Reset/Delay: Used to reset device after the factory set 15 or optional 30 second delay cycle has timed out. If the device is armed, turning the key switch counterclockwise to the reset mode will release the device without alarm for egress and will rearm after 10 seconds. (Red LED flashes quickly.)

Local Visual Status Indicator:

- RED: The exit device is secure and the delayed egress circuitry is energized.
- AMBER: The egress cycle has started, indicated by an irreversible local audible beeping tone.
- GREEN: Exit device is in alarm and has released.

Nuisance Delay Time:

Depressing for 3 seconds or less sounds an audible beep without activating the irreversible alarm sequence. (Immediate alarm can be selected by removing a jumper on the control board.)

Internal Alarm Siren:

When the exit device is armed, depressing the push pad initiates the internal 85db alarm siren.

Remote Control Inputs:

- Remote Reset: Accepts a momentary contact (keyswitch, pushbutton, etc.) to reset the unit during alarm or allows momentary egress (10 seconds) when the unit is armed.
- Remote Bypass: Accepts a momentary contact to put the unit in a maintained bypass operation. The exit device functions as a standard device.

Alarm Outputs:

Two sets of normally open and normally closed contacts. Contacts change only during alarm status. One set of contacts changes when device delay cycle has started (Alarm). One set of contacts changes when device has released (Secure).

Door Sign:

Door sign per code included.

How to Order

Specify "D" suffix after device.
Example: ED5200SD

Delayed Egress Exit Device

Options

Bolt Position Monitor M91:
SPDT (Single Pole Double Throw) switch that monitors the position of the latchbolt or vertical rods. To order, specify M91.

Outside Trim Monitor M93:
Used when outside trim is desired to be used with an external door position switch (by others) input. This switch will allow Bypass (disarms device) when the trim is used for ingress. The device requires setting after entry by means of the keyswitch on the device or a remote switch. To order, specify M93.
Note: If an external DPS is not used, standard trim will allow entry without affecting the device in an armed mode. The device will only be affected when the touchbar is depressed.

Mortise Electric Trim Control SAF/SEC:
The mortise delayed egress exit device can be ordered with Fail Safe or Fail Secure outside trim operation. In a fire condition the Fail Safe trim will release for entry. When access control is used the Fail Secure trim allows entry by means of a remote card reader, keyswitch, pushbutton, etc. To order, specify SAF or SEC.
Note: The trim will open the door without affecting the device in an armed mode if a door position switch (by others) is not used.

30-Second Delay M88:
Device released after 30 seconds. The device will provide visual and audible indication that the delayed egress cycle has been activated. After the device has been released, the siren changes to a steady tone which continues until reset by keyswitch or remote inputs on the device. Required signage must indicate 30 seconds for release. To order, specify M88.
Note: 30 seconds may be accepted by local jurisdiction.

BOCA 15-Second Delay M89:
BOCA 30-Second Delay M90:
Upon pressing the touchpad for 3 seconds or more, the device will sound an audible beeping tone and release for egress after a total of 15 or 30 seconds, sounding the alarm. When the door is re-secured, the device will automatically rearm after 30 seconds. A door position switch (by others) is required for this option. Required signage must indicate 15 or 30 seconds for release. To order, specify M89 for BOCA 15 seconds or M90 for BOCA 30 seconds.
Note: BOCA option is not suitable for installations in accordance with NFPA 101.

Required Accessories

Power Supply:
A regulated and filtered power supply with a Fire Alarm interface is required. 1 Amp minimum @ 24VDC per device. Special options will require more amperage. Consult factory.
To order, specify:

- MPS 10 – 1 Amp @ 24VDC power supply (controls 1 “D” device)
- MPS 15 – 1.5 Amp @ 24VDC power supply (controls 2 “D”s or 1 “D” with SAF or SEC options)

Power Transfer:
Allows the power to make the transition from frame to door without pinching or removal of insulation. Optional power transfer: EPTL – concealed transfer for up to and over 120° swing doors. To order specify Part No. 704F28. Consult Folger Adam® catalog for additional recommended power supplies and accessories.

Trims

Utilizes heavy-duty and utility trims. See Trims and Functions, pages 20-23 and 28-31.

Cylinders

Utilizes a 1-1/8" mortise cylinder. Cylinder not included unless specified. See Quick Codes, page 50.

Warranty

Exit devices and heavy-duty trim carry a five-year limited warranty. Electronic components and utility trim carry a one-year limited warranty.

EPTL
Power Transfer

Activation
Alarm is armed by turning key clockwise. Low audible chirp indicates alarm has been activated. Alarm will sound when the exit device pushpad is depressed. Factory preset for standard alarm mode which automatically resets after 5 minutes.

Continuous Alarm Mode
Alarm sounds continuously when the exit device pushpad is depressed. Alarm must be manually reset by keyswitch. (This feature is selected by a switch on the circuit board.)

Low Battery Warning
Audible chirp. Every 30 seconds.

Warning Decal
"EMERGENCY EXIT-ALARM WILL SOUND" provided.

Nuisance Alarm
Units are factory preset for instant alarm. Selectable feature for alarm to sound when exit device touchbar is depressed for more than 2 seconds. (This feature is selected by a switch on the circuit board.)

Kit
Available in kit form for field retrofit. Order ED50AK.

Arming Delay/Authorized Egress
A 10-second delay (after arming) permits egress (by turning key clockwise).

Alarm Shunt
Ingress shunt alarm input for devices with signal & outside trim monitors (M91 & M93).

Power Requirements
One 9-volt battery (included).

Alarm Strength
90db @ 10 feet.

Arm/Disarm
Requires one 1-1/8" straight cam mortise cylinder. Clockwise turn arms the alarm, counterclockwise turn disarms or silences the alarm. Low audible chirp indicates alarm has been activated.

Device Status
A Red LED indicator will illuminate every 30 seconds when the alarm is armed.

Tamper Resistant
Built-in safety monitor sounds alarm when tampering occurs.

Cylinders
Cylinder not included unless specified. See Quick Codes, page 50.

Door Width
Available for 36"-48" devices only. Not available with devices less than 36".

Quick Code
M61

Alarm Kit
ED50AK

Exceptions
The ED50AK for the ED5000 series exit devices cannot be retrofitted in the field to the ED5400/5470 series surface vertical rod exit devices.

The alarm option is available for the surface vertical rod devices by factory order only. To order, add the quick code suffix M61 to the device number; for example, ED5470 x M61.

Please note, in accordance with Corbin Russwin's standard limited warranty, any attempt to retrofit the ED50AK to a surface vertical rod exit device will void the warranties for these products.

Surface vertical rod exit devices with alarm kit cannot be ordered with M91, M92 or M93.

How to Order

Ordering example for Exit Device

ED5400	626	M61
↓	↓	↓
Device	Finish	Quick Code for Alarm Option (Cylinder Not Included)

Ordering Example for Alarm Kit Only

ED50AK	626	W048
↓	↓	↓
Alarm Kit	Finish	Door Width (Cylinder Not Included)

NOTE: Dogging not available with M61 option and ED50AK alarm kit.

IK (INTELLIKEY®) Exit Device

The Corbin Russwin ED5000 series exit device with INTELLIKEY System 4000 Controller is a complete stand-alone, door-mounted device. The controller is concealed in the exit device and connects directly to the INTELLKEY cylinder in the outside trim. No special wire transfers or hinges are needed for this stand-alone application.

Discontinued

Applications

May be used with the entire ED5000 Series: Rim, SecureBolt™, Mortise, SVR, CVR

Bar Length

Standard: 36" (914mm) bar fits 36" door only. Device cannot be cut less than 36".
Optional: 42" - 48" (1067mm - 1219mm). Devices must be factory cut. Specify W042, W044, W046, W048.

Door Thickness

1-3/4" (44mm) standard)
Optional: 2" (51mm); specify D200.
Optional: 2-1/4" (57mm); specify D214.

Dogging

Standard on panic devices; single-point turn hex key dogging.
Cylinder dogging is not available.

Functions and Trims

Available with 900 series heavy-duty trim. All lever designs available, including the Vineyard Collection.
Trim functions available: Classroom (55), Nightlatch (57), Storeroom (59)

Finishes

Available in 605, 613, 626. (Finish of cylinder and cylinder collar may vary slightly from the finish of the escutcheon and trim.)

Cylinder Collar

Use of the INTELLIKEY cylinder collar is required for trim used with the rim, SecureBolt™, SVR and CVR devices. Flush cylinder applications are available for trims used with mortise devices.

Battery Packs

Standard and Cold-Pack batteries are easily replaced. Order replacement slim line packs from Corbin Russwin/ INTELLIKEY price book. (Cold-Pack batteries available for panic devices only.)

Electrical Options

Available with all ED5000 electrical options except the ED50AK alarm kit, M61 exit alarm option, D delayed egress option, and M91 bolt position monitoring.

Listing

IK option available for all ED5000 series panic and fire-rated devices. See individual pages in this catalog for specific UL listing information.

Warranty

5-year limited warranty on exit device and heavy-duty trim. 1-year limited warranty on cylinder and electronic components.

Maintenance

Cylinders must be maintained using Corrosion Block lubricant to maintain the INTELLIKEY warranty. (INTELLIKEY part number 100795)

How to Order

Specify IK after device. Ex: ED5200SIK.

NOTE: The IK device is only available through authorized INTELLIKEY distributors only.

Electrically Controlled Heavy-Duty Trim

Electrically controlled trim provides electric locking and unlocking of the 900 Series heavy-duty trim. It easily retrofits into existing applications and is ideal for door control.

Advantages

- Available in Fail Safe or Fail Secure operation
- 24VAC/VDC
- Internal rectifier accepts AC or DC voltage
- Free Wheeling lever when locked
- Key override (specify cylinder)
- Plug connector with 4' wire lead (Exit device can be used as the wire raceway)

Applications

- ED5200(A) Rim
- ED5200S(A) SecureBolt™
- ED5400(A) Surface Vertical Rod
- ED5470(B) Surface Vertical Rod

Trim

Utilizes all 900 series trim lever designs including the Vineyard Collection

Electrical Specifications

- Solenoid: 330 mA @ 24 Volts
- Security Monitor Switch (M98): 4 AMP @ 250VAC

Options

- M98 – Security Monitor. A SPDT switch that monitors the position of the solenoid (lock and unlock status).
- M99 – Trim gasket for exterior applications.

Cylinder

Cylinder not included unless specified. See Quick Codes, page 50.

How to Order

N9903 626 RHR M98, 6P

Electrically Controlled Heavy-Duty Trim

FUNCTIONS

Fail Safe

The x9903 trim is locked when power is on and unlocked when power is off.

	Function Description
x9903 (Fail Safe)	• Lever is locked when power is on (Free Wheeling)
	• Power off allows entry from trim
	• Inside device is always active for egress
	• Mechanical key override (09 Function – Key allows lever to retract latch bolt. Key can only be removed in locked position.)

Fail Secure

The x9905 trim is locked when power is off and unlocked when power is on.

	Function Description
x9905 (Fail Secure)	• Lever is locked when power is off (Free Wheeling)
	• Power on allows lever activation for entry
	• Inside device is always active for egress
	• Mechanical key override (09 Function – Key allows lever to retract latch bolt. Key can only be removed in locked position.)

x = Trim design

781N Controller

Operation

Designed to control one or two electric latch pullback M94 exit devices. Equipped with two 20-second timers which can operate the exit devices together or independently. Requires a momentary or timed, dry contact input and can be interfaced with access control systems, automatic door operators, “blow open” type scenarios and has provisions for N/C fire alarm systems.

Features

- 2 control inputs. Accepts normally closed dry contacts for device activation from a key switch, push button, access control or fire alarm system.
- 2 normally open control outputs for automatic door operators
- 2 M94 device outputs
- Fire Alarm Interface input
- 12VDC output for audible or LEDS .25 AMP
- 24VDC output for audible or LEDS .25 AMP

Wiring

Up to 40 feet: 16 AWG wire
Up to 60 feet: 14 AWG wire
Up to 100 feet: 12 AWG wire

Electrical Specifications

- 120 or 240VAC 60 Hz Power input
- 9 Amp inrush for 100 milliseconds
- Holding voltage @ 28volts unregulated

Listings

Listed as an Exit Device Control Unit to UL 294 requirements.

Note: The 781N is the only power source to be used with the M94 option. Using any other power supply will void the warranty and cause possible damage to the exit device.

Ordering

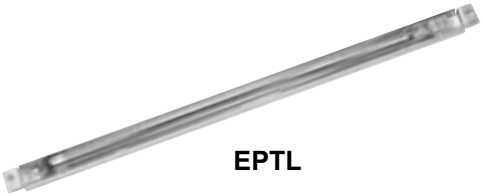
781N-120 Controller (120VAC input)

781N-240 Controller (240VAC input)

781N Controller

EPTL

Concealed power transfer for over 120° swing doors. Installs in door and frame edges. Supports wires up to .25" (6mm) thick, and works with doors hung with butt hinges, continuous hinges and pivots. To order, specify Part No. 704F28



EPTL

Monitors - M91, M92, M93

Operation

Monitors are used to indicate the authorized and unauthorized use of an opening or to signal and control other opening hardware, such as magnetic locks. Each monitoring device is equipped with one internal single-pole double-throw (SPDT) switch per monitor.

Bolt Position Monitoring - M91

Provides indication of the position of the latch bolt. Used with security systems to monitor the latch bolt; also used to activate automatic door operators upon latch retraction.

Application

See chart on page 32.

Listings

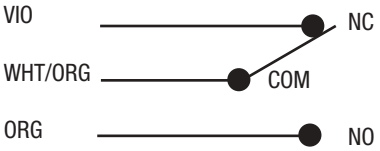
UL listed for both Panic and Fire Exit Hardware.

Electrical Specifications

5 Amps @ 28VDC SPDT contacts

Ordering

Specify Quick Code M91.



Touchbar Monitoring - M92

Provides indication of the pushpad being depressed. Used as a request to exit to shunt alarm systems, release electromagnetic locks or monitor egress.

Application

See chart on page 32.

Listings

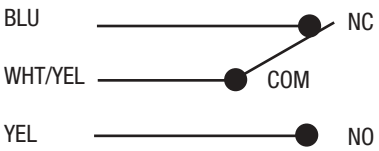
UL listed for both Panic and Fire Exit Hardware.

Electrical Specifications

4 Amps @ 250 VAC contacts

Ordering

Specify Quick Code M92.



Outside Monitoring or Signaling - M93

Provides indication of the device being operated from the outside. Used as a request to enter signal switch to shunt alarms; also used to monitor entry.

Application

See chart on page 32.

Listings

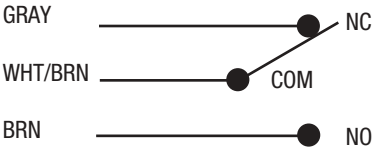
UL listed for both Panic and Fire Exit Hardware.

Electrical Specifications

5 Amps @ 28VDC SPDT contacts

Ordering

Specify Quick Code M93.



Power Supplies

Operation

Power supplies are designed to provide reliable filtered and regulated power for long life to a variety of electrified hardware components. All modular power supplies are designed to meet UL 1481 Standards. Recommended for the M97 and delayed egress exit devices.

Features

- Fire panel emergency release input
- PC Board mounted system LED indicator
- Regulated and filtered with input and output protection
- Battery charging is provided from a separate output terminal

Electrical Specifications

- Inputs: 115VAC @600mA (230 VAC optional), 50Hz/60hZ
- Outputs: 24 VDC @ 1 Amp, 2 Amp or 4 Amp, Filtered and regulated output

Listings

- UL & cUL listed 1012 General Purpose Power Supply
- Fire & Burglar Alarm Power Supply Unit URT2
- Releasing device Accessory SYSW
- Access Control Systems Units ALVY
- Burglar Alarm Systems Power Supply APHY

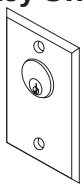
Applications

- D – Delayed Egress
- M97 – Electric Dogging
- SAF – Fail Safe mortise device trim control
- SEC – Fail Secure mortise device trim control

Model	Enclosure	Input	Output
FABPS-24-1	12" (304mm) x 9" (229mm) x 4" (102mm)	115VAC, 50/60 Hz.	1.0 Amp @ 24 VDC
FABPS-24-2	14" (356mm) x 14" (356mm) x 4" (102mm)	115VAC, 50/60 Hz.	2.0 Amp @ 24 VDC
FABPS-24-4	15" (381mm) x 18" (457mm) x 6" (152mm)	115VAC, 50/60 Hz.	4.0 Amp @ 24VDC

Exit Controls and Switches

Key Switches



FAMKA

FAMKA - (1) SPDT Maintained
FAMK - (1) SPDT Momentary
FAMKN - (1) SPDT Momentary NS
FAMK2 - (1) DPDT Momentary
FAMKPZ x MKS - (1) SPDT Momentary with audio Double Gang x Additional Switch

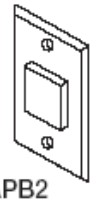
Note: All key switches come standard with 12/24 VDC Bi-color LED.

Specifications

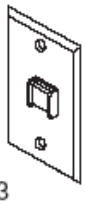
- Keyswitch for operation using a standard 1-1/4" mortise cylinder (cylinder not included).
- Contact Rating 5 Amps @ 12-24VDC.

•SPDT 3-position.

Push Buttons



FAPB2



FAPB3

FAPB2 - (1) SPDT Momentary
FAPB2 - (1) DPST Remote Momentary
FAPB3 - (1) DPST Momentary
FAPB3A - (1) DPST Maintained (Alt. Action
FAPB3EA - (1) DPST Alternate

Specifications

- 3 Amps @ 12-24 VDC

Indicator

FAZLP - (1) Red and Green LED on narrow gang plate.

Audible/Visual Annunciators

FAPZ1

FAPZ1 - Sonalert 90db @ 2ft. 12-24VDC. Mounted on one gang stainless steel plate.

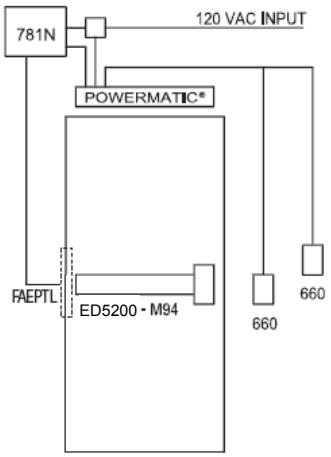
Digital Entry

FADK-11 - Digital Keypad - 4 User
FADK-26SS - Digital Keypad NS - 59 User - SS Finish
FADK-26BK - Digital Keypad NS - 59 User - Black Finish

Power Transfers

FATSB B-C - Door Cord

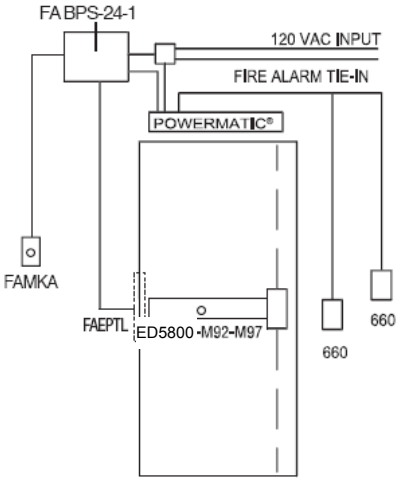
Latch Pullback - M94 Option



Components
ED5200 x M94 Latch Retraction Exit Device - Corbin Russwin
781N Power Control Unit - Corbin Russwin
6900 Powermatic - Norton
660 Push Pads - Norton
FAEPTL - Corbin Russwin

Operation
Operation of Push Pads from either side of door will activate the 781N Controller for the Latch Retraction Exit Device. An internal timer on the 6900 will also provide length of time door is open and latch being retracted. Door operator also acts like standard closer when opened manually.

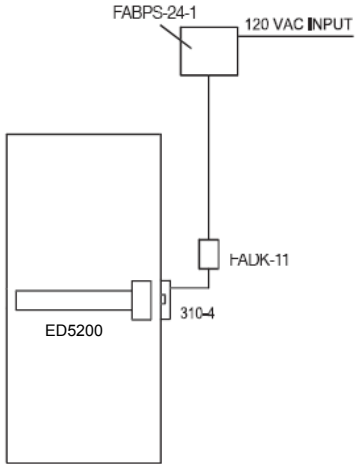
Electric Dogging & Touchbar Monitoring Switch - M97 & M92



Components
ED5800 x M92 x M97 with Cyl. + Bar Monitor & Elect. Dogging - Corbin Russwin
6900 Powermatic- Norton
660 Push Pads - Norton
FAEPTL - Corbin Russwin
FABPS-24-1 Power Supply - Corbin Russwin
FAMKA Key Switch - Corbin Russwin

Operation
Operation of Electric Dogging combined with the Door Monitor Switch will enable Push Pads for operation of the 6900. A maintained keyswitch will control the activation of the electric dogging which is powered by the FABPS Power supply. A Fire Alarm Tie-In, if required, will release the dogging and let the operator work in manual mode when activated. (NOTE: Electric Dogging is not automatic like Latch Retraction. It requires the bar to be pushed in manually the first time after applying power.)

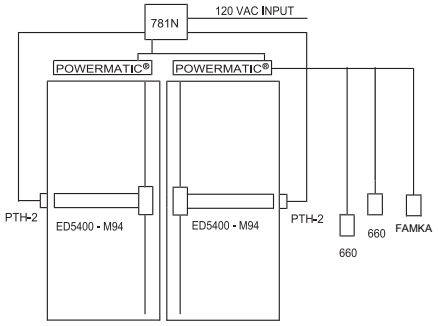
Rim Device with Electric Strike



Components
ED5200 Exit Device - Corbin Russwin
FADK-11 Digital Keypad - Folger Adam
310-4 Electric Strike - *Folger Adam*
FABPS-24-1 Power Supply - Corbin Russwin

Operation
Operation of FADK-11 Digital Keypad will allow keyless entry from the non-protected side of opening. Free exit using the exit device from the protected side of the door.

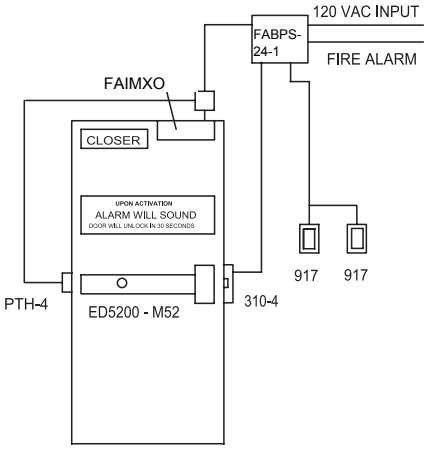
Latch Pullback - M94 Option with Norton® Powermatic® Door Operator



Components
ED5400 x M94 Latch Retraction Exit Device - Corbin Russwin
781N Power Control Unit - Corbin Russwin
6900 Powermatic - Norton
660 Push Pads - Norton
PTH-2 Power Transfer Hinge - *Folger Adam*
FAMKA Keyswitch - Corbin Russwin

Operation
Activation and operation of Push Pads from either side of door will be controlled by the FAMKA Maintained Keyswitch. The Push Pads will in turn activate the 781N Controller for the Latch Retraction Exit Device. An internal timer on the 6900 will coordinate and prevent the door from being opened before latch retraction takes place. Standard timers on the 6900 will also provide length of time door is open and latch being retracted. Door operator also acts like standard closer when opened manually.

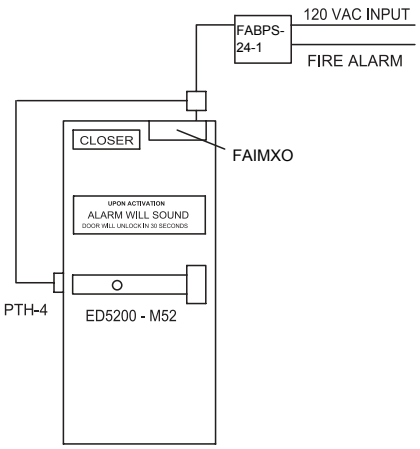
Rim Exit Device with Delayed Egress Locking Magnet Having "Y" Option, Digital Keypads and Electric Strike



Components
ED5200 x M52 Exit Device with Cylinder Dogging - Corbin Russwin
FAIMXO Delay Egress Lock with Ext. Reset - *Folger Adam*
310-4 Electric Strike - *Folger Adam*
PTH-4 Power Transfer Hinge - *Folger Adam*
FABPS-24-1 Power Supply - Corbin Russwin
FADK-11 Digital Keypads -Corbin Russwin
Surface Door Closer - Corbin Russwin

Operation
Operation of FADK-11 Digital Keypads are required for authorized ingress or egress. Unauthorized egress will sound an alarm and activate the 15- to 30-second alarm sequence on the FAIMXO Magnetic Lock. After this time period, the lock will release and free egress is possible. When the fire alarm is activated, power to the magnetic lock will be interrupted, allowing free egress and mechanical latching using the 310-4 Electric Strike. Reset and bypass of the Magnetic Lock is done through the "Y" switch mounted in the ED5200 exit device.

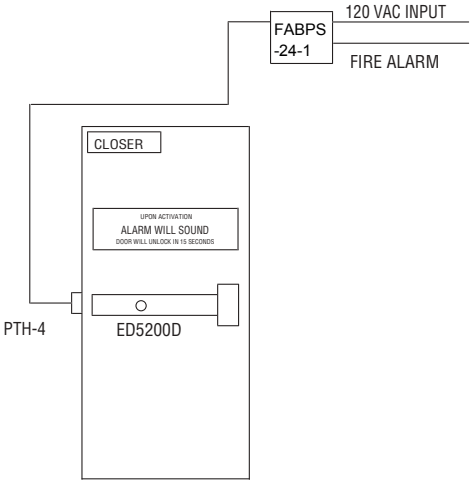
Rim Exit Device with Delayed Egress Locking Magnet Having "Y" Option on "Exit Only" Door



Components
ED5200 x M52 Exit Device with Cylinder Dogging - Corbin Russwin
FAIMXO Delay Egress Lock with Ext. Reset - *Folger Adam*
PTH-4 Power Transfer Hinge - *Folger Adam*
FABPS-24-1 Power Supply - Corbin Russwin
Surface Door Closer - Corbin Russwin

Operation
Operation of the ED5200 x M52 exit device will sound an alarm and activate the 15- to 30-second alarm sequence on the FAIMXO Magnetic Lock. After this time period, the lock will release and free egress is possible. When the fire alarm is activated, power to the magnetic lock will be interrupted, allowing free egress and mechanical latching. Authorized alarm bypass and reset is done through the "Y" option keyswitch located in the exit device.

Rim Exit Device with Delayed Egress Option on "Exit Only" Door



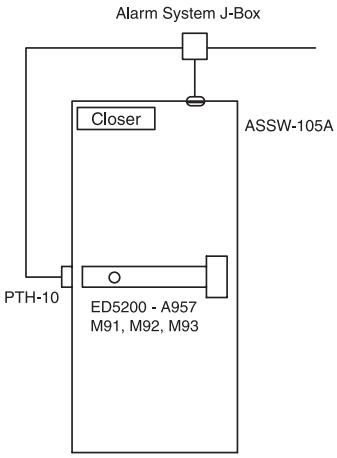
Components

ED5200D - Delayed Egress Exit Device - Corbin Russwin
PTH-4 Power Transfer Hinge - *Folger Adam*
FABPS-24-1 Power Supply - Corbin Russwin
Surface Door Closer - Corbin Russwin

Operation

Operation of the ED5200 D Exit Device will sound an alarm and activate either a 15- or 30-second alarm sequence inside of the exit device. After this time period, the device will release the push bar, making it active, and egress is possible. When the fire alarm is activated, power to the exit device will be interrupted, allowing free egress and mechanical latching. Authorized alarm bypass and reset is done through the built-in keyswitch located in the exit device.

Rim Exit Device - High-Security Application M91, M92 and M93 Monitoring Switch Options With ASSW-105A Door Position Switch



Components

ED5200 - A957 Nightlatch Trim - Corbin Russwin
M91 Bolt Monitor Switch
M92 Touchbar Monitor Switch
M93 Trim Monitor Switch
ASSW-105A Door Position Switch - *Folger Adam*
PTH-10 Power Transfer Hinge - *Folger Adam*
Surface Door Closer - Corbin Russwin

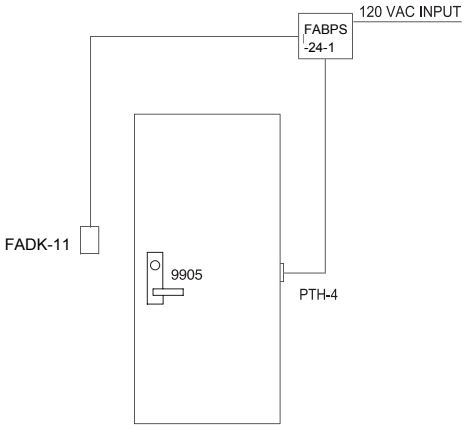
Operation

Operation of the ED5200 Exit Device with the M91, M92, M93 and ASSW-104A can be used together or individually to sound an alarm, shunt an alarm, monitor the door's security or as a "Request to Exit" in conjunction with a magnetic lock.

Electric Trim

Rim Exit Device with Electrified Trim

RIM EXIT DEVICE W/ ELECTRIFIED TRIM



Components

9905 Electrified Trim - Corbin Russwin
ED5200 Rim Exit Device - Corbin Russwin
FADK-11 Digital Keypad - Corbin Russwin
PTH-4 Electrified Hinge - *Folger Adam*
FABPS-24-1 Power Supply - Corbin Russwin

Operation

Operation of the FADK-11 Digital Keypad will allow keyless entry from the non-protected side of the opening. When a valid code is entered into the keypad, voltage will be applied to the trim, making the lever active and allowing ingress. Free exit is allowed by using the exit device from the protected side of the door.

Mullions

Used to install two Rim Exit Devices in a double door opening. May be quickly and easily removed when a full double door opening is temporarily required.

Materials and Finish

Tubular steel mullions, 1-1/2" x 3", with malleable iron top and bottom mounting brackets; furnished with zinc-plated fasteners for metal frames and concrete floors. May be cut, drilled and tapped in the field for Rim Exit Devices. Mullion brackets are silver aluminum painted, BHMA 689. Mullion is primed for painting, BHMA 600.

How to Order

To order, specify Part No.

Maximum UL Listing	Mullion Opening Height	Part No.
3-Hour	7'0"	707A
3-Hour	8'0"	708A
Panic Only	10'0"	710

Mullion Stabilizer Kit

Controls the movement of the mullion. Recommended for openings over 7' high, or whenever door movement must be minimized. To order with mullion, specify M57. To order separately, specify Part No. 653F11-1 x 628 (aluminum)

Spacer Block

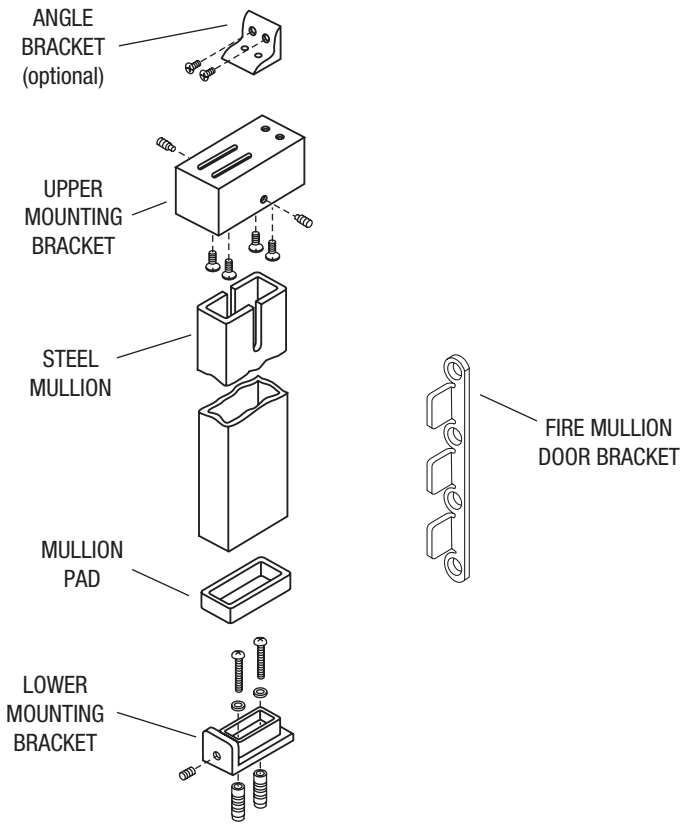
Recommended for double rabbeted frames where the stop face width is less than the mounting hole spacing and also for door frames 5-3/4" (176mm) or less. To order with a mullion, specify M95. To order separately, specify Part No 683F29-8.

Angle Bracket

Recommended for any header configuration with less than 3" (76mm) of mounting surface. To order with a mullion, specify M96. To order separately, specify Part No 655F63-8.

Keyed Removable Mullion

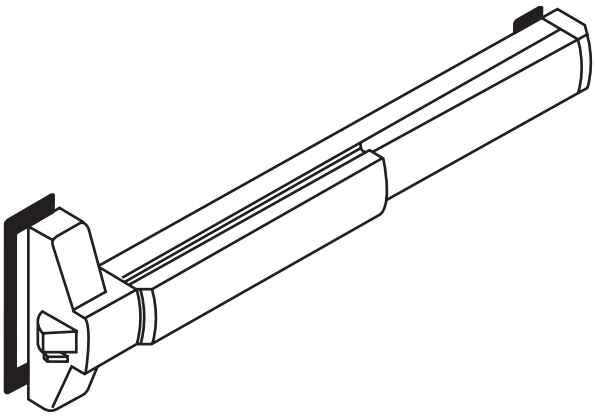
Designed for simple removal/re-locking when an unobstructed large opening is required. Mullion automatically re-locks when re-installed without the use of the cylinder key. To order with a mullion, specify quick code KM. To order the retrofit kit, specify KRM700A.
Patent # 6,427,387.
Cylinder not included. Accepts a standard 1000-118-A02 mortise cylinder. For other cylinder options, see page 49.



Shim Kits

Designed for mounting an exit device over raised vision light molding. Each kit contains two sets of 1/8" thick shims to shim a device 1/8" (3mm) or 1/4" (6mm). Black finish. To order with exit device, specify M58. To order separately, specify Part No.

Exit Device Type	Shim Kit Part No.
ED5200 (A) ED5200S(A) ED5600 (A) ED5800 (A) ED5860(B)	697F33-8
ED5400 (A) ED5470(B)	697F34-8



Cylinder Dogging

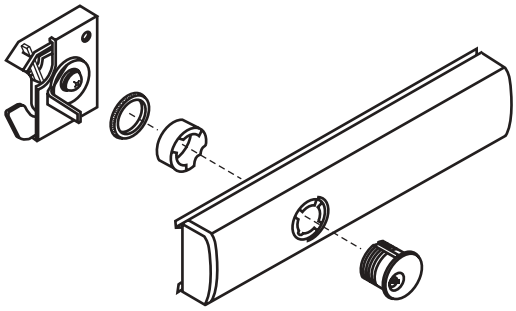
To order Cylinder Dogging with exit device, specify M52. Cylinder not included unless specified. Cylinder dogging not available for fire-rated devices. See Quick Codes, page 50.

Cylinder Dogging Kit

Designed to convert a panic device from hex key dogging to cylinder dogging. To order Cylinder Dogging Kit, specify Part Number x Finish below. Cylinder not included.

Bar Length	Cylinder Dogging Kit Part No.
36" (914mm)	653F12
48" (1219mm)	653F14

Note: Cylinder dogging not available for fire-rated devices.



Surface and Concealed Vertical Rod Extension Kits

Used to extend the height of standard length rods supplied with vertical rod exit devices. Available in 2", 6" and 12" sizes. To order with exit device, see Quick Codes, page 50. To order separately, specify Part No. x Finish.

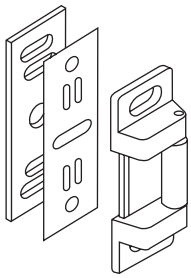
Rod Extension	Rod Extension Kit Part No.
2" (50mm)	655F15
6" (152mm)	655F16
12" (305mm)	655F17

ED5000DB Inactive Bar

Non-operating dummy pushpad available for doors up to 48" wide. May be field cut for narrower doors. To order, specify ED5000DB x Finish.

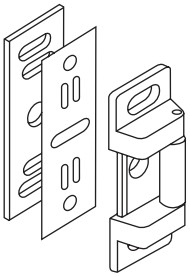
Rim Strikes

(Screws Included)



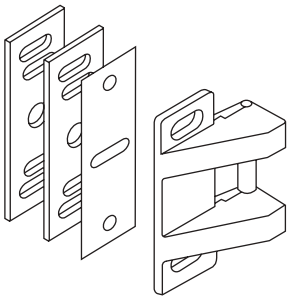
Rim Strike

Standard on ED5200 devices. Supplied with two 1/16" (1.6mm) shims. For doors with 1/2" (13mm) or 5/8" (16mm) stop. Adjustable to compensate for shrinkage and swelling of door. 3-1/2" x 1-1/4" (99mm x 32mm). Black finish only. To order separately, specify 650F29-8.



SecureBolt™ and Fire-Rated Rim Strike

Standard on ED5200S, ED5200SA and ED5200A devices. Supplied with locking plate and two 1/16" (1.6mm) shims. For doors with 1/2" (13mm) or 5/8" (16mm) stop. Adjustable to compensate for shrinkage and swelling of door. 3-1/2" x 1-1/4" (99mm x 32mm). Black finish only. To order separately specify 650F30-8.

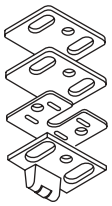


Rim x Vertical Rod Strike

Required for ED5200 and ED5200S devices when used on pair of doors with vertical rod devices. Black finish only. To order with device, specify S02. To order separately, specify 655F71-8.

Surface and Concealed Vertical Rod Strikes

(Screws Included)



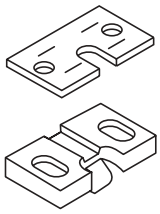
Top Strike

Standard on ED5400(A) and ED5800(A) devices. Supplied with two 1/16" (1.6mm) shims and one 1/16" (1.6mm) locking plate. Adjustable to compensate for shrinkage and swelling of door. 1-9/16" x 15/16" (40mm x 24mm). Black finish only.

Bottom Strike

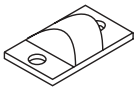
Standard on ED5400(A) and ED5800(A) devices. 1-1/16" (27mm) diameter x 1/16" (1.6mm) lip x 11/16" (17mm) high. Black finish only.

Both top and bottom strikes are included in the vertical rod parts packet. To order parts packet, specify 650F57-8.



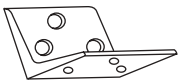
Top Strike

Standard for ED5470 and ED5470B devices. Supplied with 1-1/16" (27mm) shim. Adjustable to compensate for shrinkage and swelling of door. 2" x 1" (51mm x 25mm). Black finish only. Top strike is included in SVR parts packet. To order parts packet, specify 654F15-8.



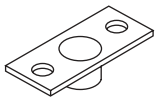
Top Strike

Standard for ED5860 and ED5860B devices. Recessed strike. 2" x 1-5/8" (51mm x 41mm). Black finish only. Top strike is included in CVR parts packet. To order parts packet, specify 698F05-8.



Flush Transom Top Strike Bracket

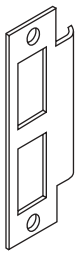
Optional for use with ED5400 and ED5400A devices. Used to mount top strike on openings with flush transom. 2-1/2" x 1-5/8" (64mm x 41mm). Black finish only. To order with exit device, specify M67. To order separately, specify 650F87-8.



Bottom Strike for 1/2" Thresholds

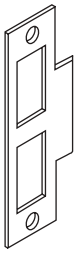
Optional for use with vertical rod devices. Required in fire-rated openings with 1/2" (13mm) threshold or for flush mount. 2-5/8" x 1-1/16" (67mm x 27mm). Black finish only. To order with exit device, specify S09. To order separately, specify 650F88-8.

Mortise Strikes



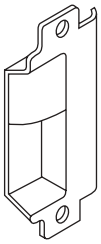
Mortise Strike

Standard on ED5600 and ED5600A. Non-handed, ANSI curved lip, 4-7/8" x 1-1/4" x 1-1/4" (124mm x 32mm x 32mm) lip to center. Black finish. To order separately, specify 650L657020.



Mortise Strike for Pairs of Doors with Astragal

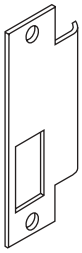
Optional for use with ED5600 and ED5600A devices where an astragal is to be installed. Non-handed, ANSI straight lip, 4-7/8" x 1-1/4" x 7/8" (124mm x 32mm x 22mm) lip to center. Black finish. To order with exit device, specify SS078. To order separately, specify 653L157014.



Open Back Strike

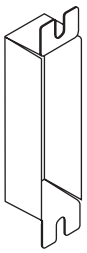
Optional for use with ED5600 x vertical rod devices on a pair of doors. Non-handed, 4-7/8" x 1-1/4" (124mm x 32mm). Black finish. To order with exit device, specify SB134 for 1-3/4" doors, SB214 for 2-1/4" doors. To order separately, specify Part No.

Door Thickness	Type	Part No.
1-3/4" (44mm)	Curved lip	653L183016
	Straight lip	653L163016
2-1/4" (57mm)	Curved lip	653L183020
	Straight lip	653L163020



Mortise Strike

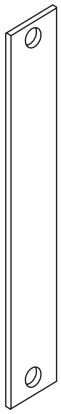
Standard on ED5600 and ED5600A devices on 2" (51mm) (D200) and 2-1/4" (57mm) (D214) thick doors. Handed ANSI curved lip, 4-7/8" x 1-1/4" x 1-1/2" (124mm x 32mm x 38mm) lip to center. Black finish. To order separately, specify 656L677024 for RH, 656L687024 for LH.



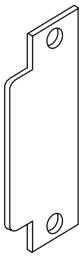
ANSI Wrought Strike Box

Optional for use with ED5600 and ED5600A devices. To order with exit device, specify M17. To order separately, specify 120F76-8.

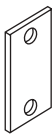
Filler Plates



Optional for use on stock metal doors when required. To order, specify 334F99-8 600.



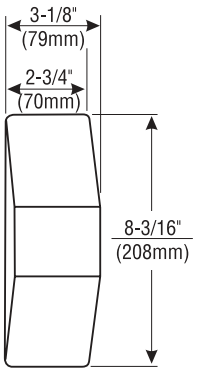
Optional for use on stock metal doors when required. To order, specify 236L708018 x Fin.



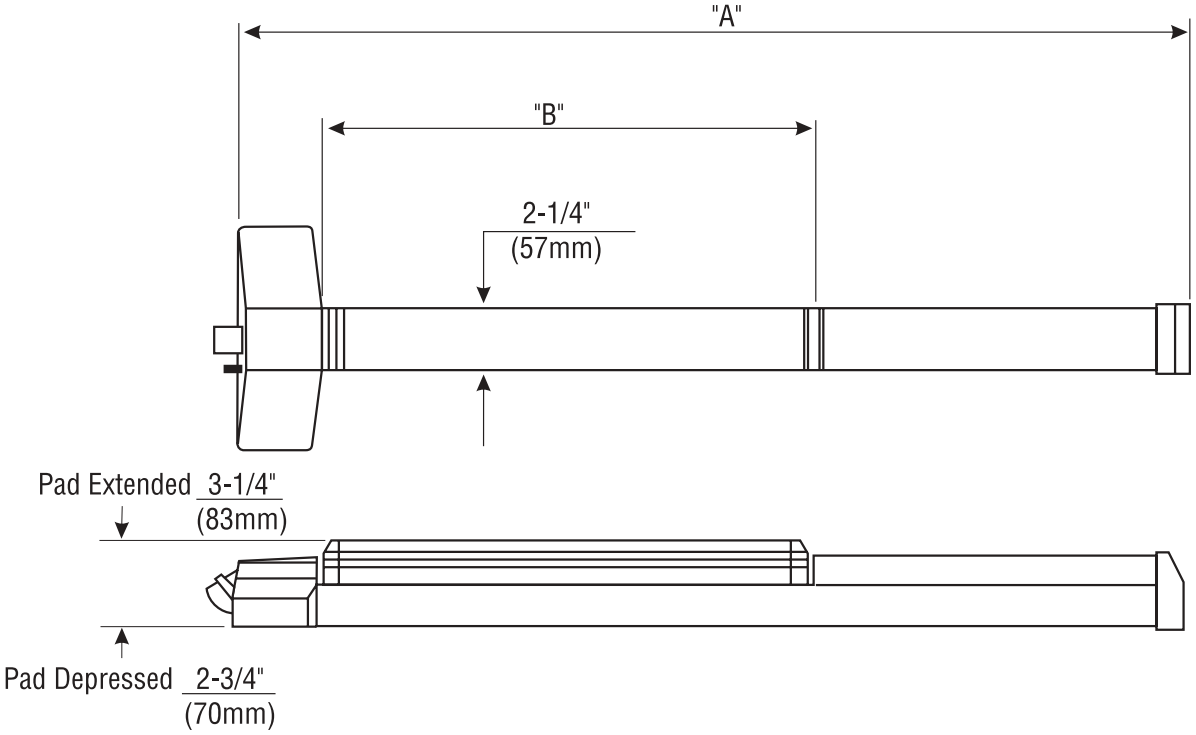
Optional for use on stock metal doors when required. To order, specify 077F19-8 600.

ED5000 Series
(all variables)

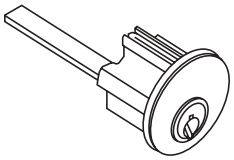
Series	"A"	"B"
ED5000 ED5000A	32-7/8" (835mm)	18" (457mm)
ED5000 x W048 ED5000A x W048	44-7/8" (1140mm)	24" (610mm)
ED5000 x W024 ED5000A x W024	20-7/8" (530mm)	12" (305mm)



Cover Detail



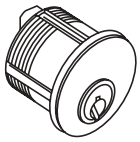
700 Series Trim
Rim cylinders



Description	Part Number	Cylinder Ring	57 Function Trim Only Part Number	Cylinder Ring**
6-pin	3000-058	270F15	3000-200N*	270F15
7-pin	3000-058-7	654F07	3000-200-7	654F07
6-pin, IC	3080-058	654F07	3080-178	654F07
7-pin, IC	3080-058-7	654F08	3080-178-7	654F08
6-pin, IC, less core	3070-058	654F07	3070-178	654F07
7-pin, IC, less core	3070-058-7	654F08	3070-178-7	654F08
6-pin, Security	3010-058	654F07	3010-200	654F07
6-pin, Security IC	3090-058	654F07	3090-178	654F07
7-pin, Pyramid	3020-058	654F07	3020-200N	654F07
7-pin, Pyramid IC	3030-058	654F07	3030-178	654F07

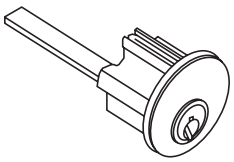
*For K157, substitute -200
**K157 uses the 270F15 cylinder ring

700 Series Mortise Trim & KRM
Mortise cylinders



			Key Removable Mullions	
Description	Part Number	Cylinder Ring	Part Number	Cylinder Ring
6-pin	1000-118-A02	447F452	1000-118-A02	None Required
7-pin	1000-114-A02-7	610F02	1000-114-A02-7	None Required
6-pin, IC	1080-114-A02	610F02	1080-114-A02	None Required
7-pin, IC	1080-112-A02-7	609F36	1080-112-A02-7	447F42
6-pin, IC, less core	1070-114-A02	610F02	1070-114-A02	None Required
7-pin, IC, less core	1070-112-A02-7	609F36	1070-112-A02-7	447F42
6-pin, Security	1010-118-A02	610F02	1010-118-A02	None Required
6-pin, Security IC	1090-114-A02	610F02	1090-114-A02	None Required
7-pin, Pyramid	1020-114-A02	610F02	1020-114-A02	None Required
7-pin, Pyramid IC	1030-114-A02	610F02	1030-114-A02	None Required

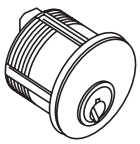
900 Series Trim
Rim cylinders



Description	Part Number	Cylinder Ring	57 Function Part Number	Cylinder Ring**
6-pin	3000-058	None Required	3000-200N*	None Required
7-pin	3000-058-7	422F88	3000-200-7	422F88
6-pin, IC	3080-058	422F88	3080-178	422F88
7-pin, IC	3080-058-7	686F98	3080-178-7	686F98
6-pin, IC, less core	3070-058	422F88	3070-178	422F88
7-pin, IC, less core	3070-058-7	686F98	3070-178-7	686F98
6-pin, Security	3010-058	422F88	3010-200	422F88
6-pin, Security IC	3090-058	422F88	3090-178	422F88
7-pin, Pyramid	3020-058	422F88	3020-200N	422F88
7-pin, Pyramid IC	3030-058	422F88	3030-178	422F88

*For K157, substitute -200
**K157 uses the 270F15 cylinder ring

900 Series Mortise Trim
Mortise cylinders



Description	Part Number	Cylinder Ring
6-pin	1000-112-A02	None Required
7-pin	1000-112-A02-7	None Required
6-pin, IC	1080-112-A02	None Required
7-pin, IC	1080-112-A02-7	None Required
6-pin, IC, less core	1070-112-A02	None Required
7-pin, IC, less core	1070-112-A02-7	None Required
6-pin, Security	1010-112-A02	None Required
6-pin, Security IC	1090-112-A02	None Required
7-pin, Pyramid	Not Available	None Required
7-pin, Pyramid IC	1030-112-A02	None Required

Corbin Russwin®

ED5000 Series Pushpad Exit Devices

Quick Codes

Cylinder and Keying

Description	Specify
Less cylinder(s)	standard
Conventional 6-pin	6P
Conventional 7-pin	7P
IC 6-pin	C6
IC 6-pin with temporary construction core	CT6
IC 6-pin less core	CL6
IC 7-pin	C7
IC 7-pin with temporary construction core	CT7
IC 7-pin less core	CL7
Security	HS
Security IC	CHS
Pyramid Fixed Core	PHS
Pyramid IC	PCHS
Pyramid with temporary construction core	CTP
Pyramid less core	CLP
Blockout function cylinder	BO
0-bitted with 2 blank keys	(standard with cylinder)
Keyed random	KR
Construction master keyed (not available for Pyramid)	CMK
Visual Key Control	
- No keying data stamped on key or cylinder	VKC0
- Keys only	VKC1
- Cylinders and keys (not for HS, CHS, PHS or PCHS)	VKC2
- Cylinders only (not for HS, CHS, PHS or PCHS)	VKC3
Concealed key control (CKC)	
- CKC cylinders with VKC keys	CKC2
- CKC cylinders only (not for PHS or PCHS)	CKC3
2 keys per cylinder	(standard with cylinder)
Other than 2 keys	KY# (e.g., KY6)

Removable Mullion

Description	Specify
Up to 7'0" ED5200(S) and ED5200(S)(A)	707A
Up to 8'0" ED5200(S) and ED5200(S)(A)	708A
Up to 10'0" ED5200(S) only	710
707A, 708A, 710 mullions, keyed removable	KM
Retrofit kit for existing 700 series mullions	KRM700A
Door frame filler block for double rabetted frames	M95
Door frame angle bracket for aluminum frames	M96
Mullion stabilizer	M57

Finish

Description		Specify
US3	Bright Brass	605
US4	Satin Brass	606
US9	Bright Bronze	611
US10	Satin Bronze	612
US10B	Dark Oxidized Satin Bronze, oil rubbed	613
US26	Bright Chromium Plated	625
US26D	Satin Chromium Plated	626
US32	Bright Stainless Steel	629
US32D	Satin Stainless Steel	630

Door Height

Door	Specify
ED5400(A) and ED5470(B) devices	
7'0"	(standard)
7'2"	H0702
7'6"	H0706
8'0"	H0800
ED5800(A) devices	
8'0"	(standard)
ED5470(B), ED5860(B) devices	
9'0"	H0900
10'0"	H1000

Strike

Description	Specify
Rim x vertical rod on pairs of doors	S02
Surface and concealed vertical rod Bottom strike for 1/2" thresholds	S09
Mortise ANSI strike for pairs of doors with astragal	SS078
Open back strike for 1-3/4" doors	SB134
Open back strike for 2-1/4" doors	SB214

Door Width

Door	Specify
24" (610mm)	W024
36" (914mm)	(standard)
48" (1219mm)	W048

Door Thickness

Door	Specify
1-3/4" (44mm)	(standard)
2" (51mm)	D200
2-1/4" (57mm)	D214

Miscellaneous Options

Description	Specify
Torx® Head Screws	M04
ANSI wrought strike box (mortise)	M17
*Knurling outside & inside (embossed touchbar - device side)	M20
*Knurling outside only (trim side)	M21
*Knurling inside only (embossed touchbar - device side)	M22
*Abrasive coat outside and inside (trim and device)	M23
*Abrasive coat inside only (device side)	M24
*Abrasive coat outside only (trim side)	M25
Less dogging	M51
Cylinder dogging	M52
Sex nuts and bolts (SNBs)	M54
Less bottom rod (ED5470(B) & ED5860(B) only)	M55
Narrow stile cover	M56
Mullion stabilizer	M57
Shim kit (for vision light)	M58
Wood screws for use on fire-rated solid wood or wood core doors	M64
Flush transom top strike bracket (ED5400 and ED5400A only)	M67
Door frame filler block for double rabetted frames	M95
Door frame angle bracket for aluminum frames	M96

*Not available with Vineyard Collection Levers

Handing

Hand	Specify
Right Hand Reverse	RHR
Left Hand Reverse	LHR

Electrified Options for Exit Devices

Description	Specify
Exit Alarm Device (cylinder not included)	M61
Bolt Position Monitor	M91
Touchbar Monitoring or Signaling	M92
Outside Trim Monitoring or Signaling	M93
Electric Latch Pullback	M94
Electric Dogging	M97
Mortise Device Lock with Outside Trim Control (Fail Safe)	SAF *
Mortise Device Lock with Outside Trim Control (Fail Secure)	SEC *
Delayed Egress	D
30 second delay (may be accepted by local jurisdiction)	M88
BOCA 15-second	M89
BOCA 30-second	M90
Security Monitor	M98
Trim Gasket	M99

* Only available with ED5600L

Electrified Accessories

Description	Specify
Controller (Required for Electric Latch Pullback)	781N
Power Supply 1 Amp @ 24 VDC Output	FABPS-24-1
Power Supply 2 Amp @ 24 VDC Output	FABPS-24-2
Power Supply 4 Amp @ 24 VDC Output	FABPS-24-4
SPDT Maintained Switch	FAMKA
SPDT Momentary Switch	FAMK
SPDT Momentary NS Switch	FAMKN
DPDT Momentary Switch	FAMK2
DPST Maintained (Alt. Action) Switch	FAPB3A
Sonalert 90db @ 2 ft. 12-24VDC mounted on one gang stainless steel plate	FAPZ1
LEDs mounted on narrow gang plate (Red and Green)	FAZLP
Alarm Kit (cylinder is not included)*	ED50AK
Concealed transfer for over 120° swing doors	EPTL

*Alarm kit cannot be installed in the field to surface vertical rod device. Any attempt to do so voids all warranties.

Ordering Examples

Exit Device Only*

Quantity	Series/Function	Finish	Hand	Misc. Options
24	**ED5200S**	**626**	**RHR**	**M51-M54**

*To order mortise exit device only, see Mortise Exit Only below.

Trim Only

Quantity	Trim/Function	Finish	Hand	Door Thickness
24	**N955**	**625**	**RHR**	**D214**

Exit Device with Trim

Quantity	Exit Device	Trim/Function	Finish	Hand	Cylinder Option	Door Thickness	Optional Strike	Door Width	Misc. Options
65	**ED5600L**	**N9M55**	**605**	**LHR**	**6P**	**D200**	**SB134**	**W048**	**M51-M54**

Contract/Detailed Order – Surface Vertical Rod Exit Device with Trim

Quantity	Keyset	Exit Device	Trim/ Function	Finish	Hand	Door Height	Door Width	Misc. Options	Cylinder Option
36	**AA1**	**ED5470**	**C955**	**626**	**LHR**	**H1000**	**W048**	**M52-M54**	**7P**

Removable Mullion

Quantity	Mullion	Misc. Options
6	**708A**	**M57**

Mortise Exit Only

Trim Type	Functions	Panic	Fire
Knob	Passage	ED5600K	ED5600AK
	Classroom		
	Nightlatch	ED5657K	ED5657AK
	Dummy		
Lever or Flat Plate	Passage	ED5600L	ED5600AL
	Classroom		
	Nightlatch	ED5657L	ED5657AL
	Dummy		
Thumbpiece	Passage	ED5600T	ED5600AT
	Classroom		
	Nightlatch	ED5657T	ED5657AT
	Dummy		

Where to find ordering information and Quick Codes

Functions and Trims
- Rim and Vertical Rod Page 20
- Mortise Page 28

Removable Mullion Page 44
Cylinders and Keying Page 49
Door Height Page 50
Door Width Page 50
Finish Page 50
Strike Page 50
Door Thickness Page 50
Handing Page 51
Miscellaneous Options Page 51

Abrasive Coat
Hard granular material applied to provide a non-slip tactile surface for the visually impaired.

Active Door
In a pair of doors, the door that is operable from the trim side.

Astragal
A vertical member applied to one or both sides of a pair of doors at the meeting edges. The astragal closes the gap between the two doors.

Coordinator
A device used on a pair of doors to ensure that the inactive door closes before the active door.

Deadlocking Latch
A supplemental latch that automatically deadlocks the latchbolt when pressure is applied to it.

Dogging
A mechanism that allows the latchbolt to remain retracted, permitting the door to operate as if it were a push-pull; it cannot be used on fire-rated exit devices.

Double Egress
A pair of doors of the same hand that swing in opposite directions, commonly found in corridors.

Dummy Trim
Trim only. Usually used on the inactive door of a pair of doors for design balance.

Exit Device (Panic Hardware)
A door locking device with a pushpad or crossbar which, when pressed, allows instant exit (egress).

Fire Exit Hardware
An exit device listed by an independent testing laboratory as meeting panic, fire and hose stream test standards; used on fire-rated openings.

Hand
The direction a door swings.

Inactive Door
In a pair of doors, the door that is inoperable from the trim side.

Latchbolt
A lock component that has a beveled end and projects into a strike, holding the door in a closed position.

Mullion
A fixed or removable vertical member that divides a door opening and provides a latch surface for a pair of rim exit devices.

Open Back Strike
For mortise exit devices, used on the inactive door (usually the vertical rod door) of a pair of doors that swing in the same direction. It permits the inactive door to open or close independently.

Reversible
Pertains to a product that may be changed in the field to accommodate any hand of the door.

Shim Kit
Pieces of metal that permit mounting of an exit device on a door that has a surface projecting vision light (glass bead) molding.

Split Astragal
An astragal that is split through the middle on a pair of doors, allowing both doors to operate independently.

Threshold
A strip fastened to the floor beneath a door. It serves as a stop, prevents heat loss, and provides a strike location for latching the bottom rod of a vertical rod exit device.

Trim
A knob, lever, pull, or thumbpiece used on the outside of an exit device door to control access to an area.

Universal Exit Device
An exit device that may be used on doors of either hand without any modifications.

Keying and Cylinder Terms

Blockout Cylinder
A cylinder which allows all keys to be temporarily blocked from operating. It is set by a blockout key.

Concealed Key Control (CKC)
The marking of standard key symbols on a cylinder in a location that is not visible once the cylinder is installed.

Construction Master Keying (CMK)
A cylinder preparation that allows temporary access by construction personnel.

Control Key
A key used to remove and install interchangeable cores.

Cylinder
A lock component containing the combination that determines which keys will operate.

Security Cylinder
A cylinder which provides extra resistance to picking and unauthorized duplication of keys.

Interchangeable Core (IC)
A cylinder which can be removed and installed quickly with a control key by non-skilled personnel when rekeying is required.

Key Symbol
A letter/number combination in standard industry format (e.g., 1AA, AA1, etc.) which indicates exactly how a key or cylinder fits into a keying system.

Keyway
The opening in a cylinder plug through which the key enters.

Master Keying
Preparation of a cylinder to operate with keys of different levels of access.

Visual Key Control (VKC)
The marking of standard key symbols on keys and on the visible portion of the front of a cylinder.

Suggested Specification for Panic and Fire-Rated Exit Devices

Exit devices shall be ED5000 Series Pushpad Exit Devices as manufactured by Corbin Russwin Architectural Hardware.

The exit device chassis shall be cold forged steel, electroplated for corrosion resistance, and shall be architecturally finished brass, bronze or stainless steel. The pushpad mechanism shall be constructed of extruded aluminum and shall be scalped with architecturally finished brass, bronze or stainless steel. The maximum projection shall be 3-1/4" when the pushpad is active and 2-3/4" when the pushpad is dogged down. Nylon bearings and stainless steel springs shall be used for long life and durability; only torsion springs are acceptable. Rear and active case covers shall be wrought brass or bronze and shall be plated to match the exit bar. Plastic or painted covers are not acceptable. Latchbolts shall be steel and shall incorporate a deadlocking latch for increased security. Devices without deadlocking latches are not acceptable. Mounting screws shall be concealed to deter tampering. Devices shall be closed on all sides with no pinch points. All exit devices shall be easily field sized to accommodate various door widths.

Panic-listed exit devices shall have single-point, one quarter turn hex key dogging standard. Optional cylinder dogging shall be available on panic listed devices only. Devices with hex key dogging shall be easily field converted to cylinder dogging. Panic-listed devices shall be available less dogging.

Trims shall be through-bolted with concealed fasteners. Escutcheon and pull type trims shall be constructed of brass or bronze. All lever trims shall use cast or forged levers. On trims with cylinders, the mechanism that locks and unlocks the trim shall be housed in the trim and not in the active case of the exit device. Rim and vertical rod lever trims shall be Free Wheeling with clutch mechanism allowing lever to rotate 60° when locked to prevent vandalism. Lever trims shall match those on Corbin Russwin Mortise and Cylindrical Locksets.

Exit devices and trims shall be furnished in BHMA standard architectural finishes.

Exit devices shall be listed by Underwriters Laboratories (UL) for safety as panic hardware. Fire-rated devices shall be listed for A label and lesser class doors.

Certification:
ANSI A156.3, Grade 1

Devices, trims and cylinders shall be from one manufacturer.

Devices and 900 series trim shall carry a five-year limited warranty.

Electronic components shall carry a one-year limited warranty.

Suggested Specification for Delayed Egress Exit Devices

Delayed egress exit devices shall be ED4000/ED5000 series (rim, SecureBolt™, mortise or concealed vertical rod) with the "D" suffix, manufactured by Corbin Russwin Architectural Hardware.

The delayed egress exit device secures the door in the locked mode. Depressing the pushpad for less than three seconds will sound the device nuisance beep without initiating the alarm. Depressing the pushpad longer than three seconds will initiate an irreversible local audible beeping tone and allow the device to release for egress after 15 seconds (or 30 seconds may be accepted by local jurisdiction) and sound the alarm. The alarm will continue until reset by the mechanical key switch located on the device.

Devices shall be 24 volts DC.

The exit device chassis shall be cold forged steel, electroplated for corrosion resistance, and shall be architecturally finished brass, bronze or stainless steel. The pushpad mechanism shall be constructed of extruded aluminum and shall be scalped with architecturally finished brass, bronze or stainless steel. The maximum projection shall be 3-1/4" when the push pad is active and 2-3/4" when the push pad is depressed. Nylon bearings and steel springs shall be used for long life and durability. Active case and alarm end cover shall be wrought brass, bronze or stainless steel and shall be plated to match the exit bar. Painted or plastic covers or end caps are not acceptable. Latch bolts shall be steel and shall incorporate a deadlocking latch for increased security. Devices without deadlocking latches are not acceptable. Mounting screws shall be concealed to deter tampering. Devices shall be closed on all sides with no pinch points. Device active cover and end cap attaching screws shall be security Torx® pin.

Trims shall be through-bolted with concealed fasteners. Escutcheon and pull-type trims shall be constructed of brass, bronze or stainless steel. All lever trims shall use cast or forged levers. On trims with cylinders, the mechanism that locks and unlocks the trim shall be housed in the trim and not in the active head of the Exit Device. Rim and vertical rod lever trims shall be Free Wheeling with clutch mechanism allowing lever to rotate 60° when locked to prevent vandalism. Lever trims shall match those on Corbin Russwin mortise and cylindrical locksets.

Devices shall be listed by UL/cUL as Controlled Exit Panic Devices or Special Locking Arrangement and meet all requirements for NFPA 101.

Certification:
ANSI 156.3, Grade 1/ANSI 156.24
UL/cUL FUKD/FUKD7 - Controlled Panic Device
UL/cUL FWAX/FWAX7 - Special Locking Arrangements

Exit devices, trims and cylinders must be from one manufacturer.

Exit devices and heavy-duty trims shall have a five-year warranty. Electronics shall have a one-year warranty.

For more information regarding Corbin Russwin Locksets, Exit Devices, Door Controls and Key Systems, contact your authorized Corbin Russwin Distributor or Sales Representative.

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