Yale®

FLATBAR EXIT DEVICE

2100 SERIES

CATALOG

An ASSA ABLOY Group brand

ASSA ABLOY

RUGGED RELIABILITY

YALE® 2100 INTRODUCTION

Providing a higher standard of ANSI Grade 1 performance, the 2100 series exit device is the right choice for meeting the rigors of everyday use in even the toughest applications where plated architectural finishes are not required.

Patented mechanisms, made of heavily electroplated high-grade steel and non-ferrous materials, present sturdy construction and superior protection against corrosion. Fine finishes of baked powder coatings tenaciously resist rust and abrasion, with cosmetic and functional life extended to match that of the architectural finishes offered on the optional outside trim.

The 2100 series' diverse line of outside trims complements any form and corresponds to virtually any function requirement. Accessories such as mullions and an alarm kit, along with a variety of cylinder options, round out a product offering designed to satisfy the needs of the most demanding project.

2100 SERIES RIM DEVICE

- Deadlocking Pullman latchbolt positively engages roller strikes
- Steel interlock maintains door-to-mullion relationship in fire-labeled devices
- Metal strike, sealed with a bonded black powder coat to reduce friction and ease operation

2110 SERIES VERTICAL ROD EXIT DEVICE

- Positive action linkage on a deadlocking top Pullman bolt
- Simultaneous direct pull bottom deadbolt
- When unlatched, device keeps both bolts retracted until door is shut
- Steel surface mounted top roller strike and push-in bottom strike sealed with a bonded black powder coat to reduce friction and ease operation

WARRANTY

2100 series exit devices and trim are warranted to be free from defects in workmanship and materials under normal use and service for a period of one (1) year after delivery to the original purchaser. Please see the *Yale* Price Book or contact your *Yale* sales representative for details.

FREE WHEELING LEVER TRIM (PATENT #B1 4,920,773)

Free Wheeling™

Yale exit device lever trims feature the unique Free Wheeling lever mechanism. This Free Wheeling trim features a clutch mechanism which allows the lever to float down 60° when operated in the locked condition, greatly improving vandal resistance.

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FINISHES

ANSI Code	Finish
612*	Satin bronze, clear coated
626*	Satin chromium plated
630*	Satin stainless steel
689	Aluminum baked powder coat, satin
691	Light bronze, baked powder coat, satin
695	Dark amber baked powder coat

*Trim finish option.

INTRODUCTION CONT.

ANSI FUNCTIONS

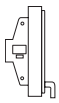
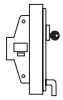
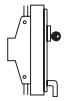
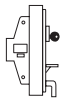
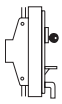
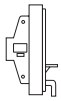
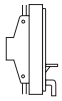
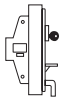
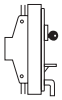
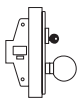
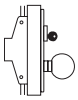
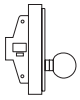
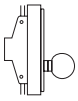
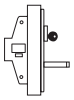
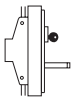
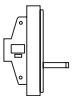
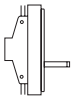
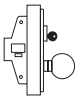
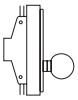
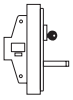
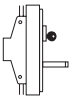
ANSI types 1 (Rim) and 2 (Surface Vertical Rod) exit device requirements are met (or exceeded) by Yale® 2100, 2100F, and 2110, 2110F, respectively. Any of these exit devices may be used with any of the trims on the Application Chart at right.

Trims are charted according to ANSI trim function. Further, trims used for A.D.A. compliance are shown in the Application Chart separate from other trims for the same ANSI function in boxes displaying the universal accessibility symbol.

Sectional dummy trim (02) with knob (CA544F) or lever (AU548F) features knobs and levers that will turn, but will not operate the devices. For rigid lever use AU529F, or AU549F.

Illustrations show typical function features, rather than pictorial renderings of the trims listed. Specific trim details are shown on pages 7-9.

(*) Trims marked with an asterisk on the Application Chart require an easy field change to adapt them for the charted function.
†ADA compliant trim.

Trim	Device (ANSI)	Rim (Type 1)		SVR (Type 2)	
	Options	2100 2100F (Page 4)		2110 2110F (Page 5)	
ANSI	Function				
01	Exit Only, No Trim/Exit Only, Blank Plate		520F 530F		520F 530F
02	Pull to Open (Dummy Trim)		534F† 548F*† 549F*† 528F*† 529F† 214F CA544F 524F 525F		534F† 548F*† 549F† 528F*† 529F† 214F CA544F† 524F* 525F
03	Key Retracts Latchbolts (NL)		532F† 527F† 213F 217F 521F 523F 531F		532F† 527F† 213F 217F 521F 523F 531F
05	Entrance by Thumbpiece (Key Locks/ Unlocks Thumbpiece)		533F		533F
15	Thumbpiece Always Active (Passage)		535F		535F
06	Key Unlocks Thumbpiece (Key Removable When Locked)		533F*		533F*
08	Entrance by Knob (Key Locks/Unlocks Knob)		CA542F 522F		CA542F 522F
14	Knob Always Active (Passage)		CA544F 524F		CA544F 524F
08	Entrance by Lever (Key Locks/Unlocks Lever)		546F† 526F†		546F† 526F†
14	Lever Always Active (Passage)		548F† 528F†		548F† 528F†
09	Key Unlocks Knob (Key Removable When Locked)		522F*		522F*
09	Key Unlocks Lever (Key Removable When Locked)		526F*†		526F*†

RIM EXIT DEVICE

2100/2100F

The 2100/2100F is a rim exit device to be used with single doors or pairs of doors constructed of metal, wood or composite materials. The 2100/2100F can be paired with a wide variety of trims to meet many applications.

CERTIFICATION/COMPLIANCE

UL/cUL Listed: FVSR/FVSR7 - Panic hardware
GXHX/GXHX7 -
Fire exit hardware (F)
(4' x 8' single, 8' x 8' pairs, 3 hr.)

ANSI Certified: A156.3 Grade 1

BHMA Listed: Directory of Certified Products

FEATURES

- Designed for wide stile doors
- Non-handed for easy installation
- Deadlocking Pullman latchbolt positively engages roller strike
- Steel interlock “E” bracket maintains door-to-mullion relationship in fire-labeled devices

APPLICATIONS

- Single swing doors
- Pairs of doors (mullion required on fire-rated applications)
- Metal, wood or composite door materials

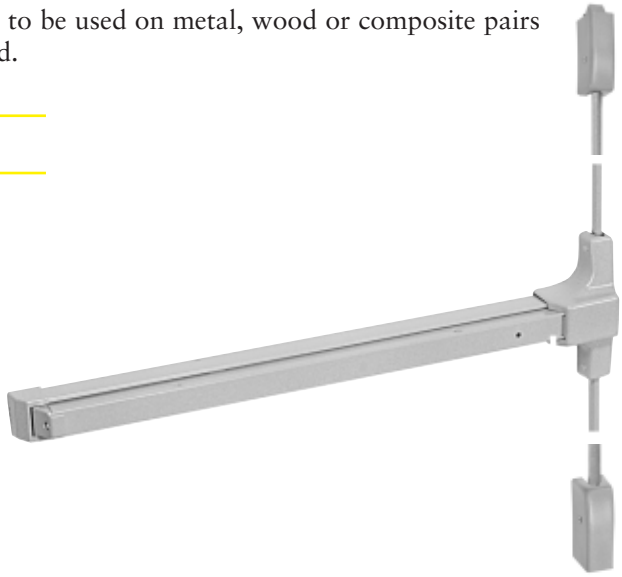
SPECIFICATIONS

Door Opening Width:	-36 for 30" - 36" (76.2cm - 91.4cm) doors -42 for 36" - 42" (91.4cm - 107cm) doors -48 for 36-1/2" - 48" (92.7cm - 121.9cm) doors
Door Thickness:	1-3/4" (44mm) standard.
Minimum Stile Width:	4-1/2" (114mm)
Projection:	2-1/2" (64mm) active, 1-3/4" (44mm) depressed
Strike:	757 (panic), 757F (fire), 793 optional (double door application)
Trims:	210F series utility trim, 520F series escutcheon trim, 530F series long escutcheon trim, 540F series rose trim, 121F cylinder only.
Dogging:	Supplied standard on panic devices.
Finishes:	689, 691, 695
Options:	Shim Kit #223, Sex Nuts and Bolts
Warranty:	1-year limited

SURFACE VERTICAL ROD EXIT DEVICE

2110/2110F

The 2110/2110F is a surface vertical rod exit device to be used on metal, wood or composite pairs of doors up to 8' where two-point latching is desired.



CERTIFICATION/COMPLIANCE

UL/cUL Listed: FVSR/FVSR7 - Panic hardware
GXHX/GXHX7 -
Fire exit hardware (F)
(4' x 8' single, 8' x 8' pairs, 3 hr.)

ANSI Certified: A156.3 Grade 1

BHMA Listed: Directory of Certified Products

FEATURES

- Designed for wide stile doors
- Handed, specify hand (field reversible)
- Positive action linkage on a deadlocking top Pullman bolt
- Simultaneous direct pull bottom deadbolt
- When unlatched, device keeps both bolts retracted until door is shut.

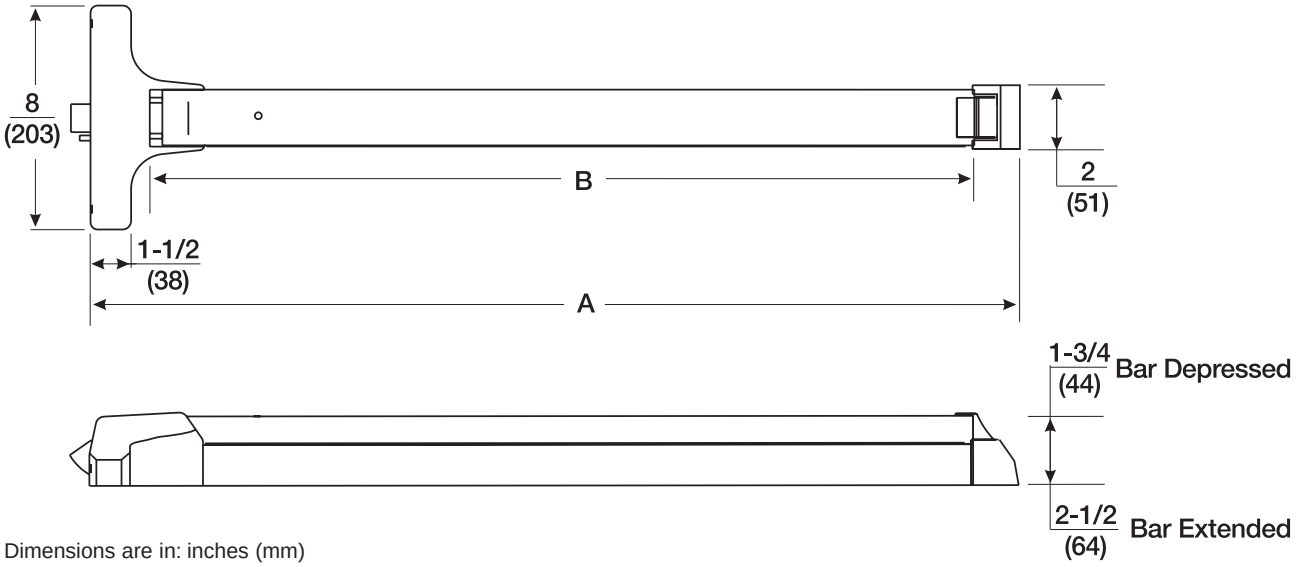
APPLICATIONS

- Single swing doors
- Pairs of doors
- Metal, wood or composite door materials

SPECIFICATIONS

Door Opening Width:	-36 for 30" - 36" (76.2cm - 91.4cm) doors -42 for 36" - 42" (91cm - 107cm) doors -48 for 42" - 48" (107cm - 121.9cm) doors
Door Opening Height:	Standard door height 7' (2.13m), with the device at 39-5/16" (1014mm) from floor. Optional heights up to 8' (fire) and 10' (panic) available by using rod extensions.
Door Thickness:	1-3/4" (44mm) standard. Additional thicknesses available; specify on order.
Minimum Stile Width:	4-1/2" (114mm)
Projection:	2-1/2" (64mm) active, 1-3/4" (44mm) depressed
Strike:	Top: 791. Bottom: 790. 794 floor strike optional (threshold openings)
Trims:	210F series utility trim, 520F series escutcheon trim, 530F series long escutcheon trim, 540F series rose trim, 121F cylinder only.
Dogging:	Supplied standard on panic devices.
Finishes:	689, 691, 695
Options:	Shim Kit #223, Sex Nuts and Bolts, Bottom Pullman Latch (panic only)
Warranty:	1-year limited

FACTS AND FIGURES



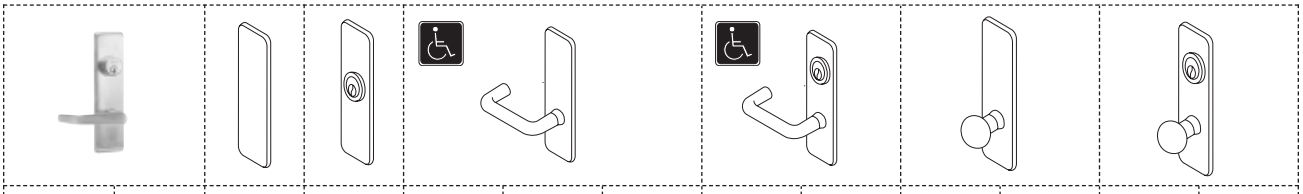
Dimensions are in: inches (mm)

Device Size	"A"	"B"
36"	32-3/8" (82.1cm)	27" (68.6cm)
42"	38-3/8" (97.5cm)	33" (83.8cm)
48"	44-3/8" (1.127m)	39" (99.1cm)

OUTSIDE TRIM

520F WIDE ESCUTCHEON TRIM

- Through-bolted: 1-3/4" (44mm) door standard. For doors through 2-1/4" (54mm) or shim-mounted devices, specify on order.
- Dimensions: 2-1/2" x 9-1/2" x 1/4" (64mm x 241mm x 6mm)
- For cylinder options, see page 17.
- Available with all lever and knob designs except CA.
- Ordering example: MO528F x 630x LHR
- Finishes: 605, 606, 611, 612, 613, 625, 626, 629, 630

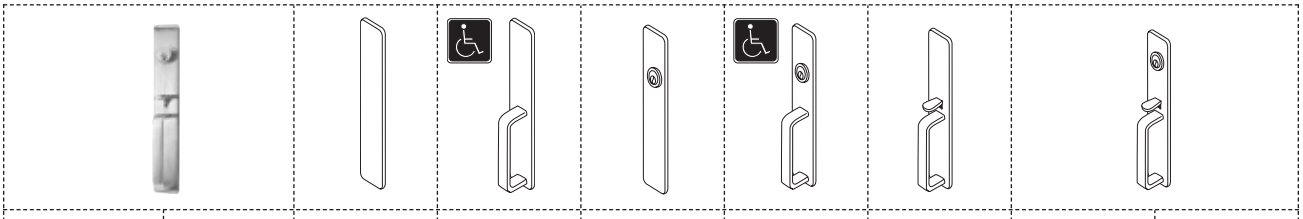


Applications	Cylinder	Exit Only Blank Plate	Nightlatch	Dummy Rigid Lever	Dummy Free Wheeling	Passage	Classroom/ Storeroom	Nightlatch	Dummy Trim Rigid Knob	Passage Active Knob	Classroom/ Storeroom	Nightlatch
2100(F) 2110(F)	Rim	520F	521F*	529F	528F	528F	526F	527F	525F	524F	522F	523F
ANSI		–	03	02	02	14	08/09	03	02	14	08/09	03

*Not recommended for use with 2110(F) surface vertical rod exit devices.
Note: 09 and Free Wheeling 02 achieved with single trim modification at installation.

530F WIDE ESCUTCHEON TRIM

- Through-bolted: 1-3/4" (44mm) door standard. For doors through 2-1/4" (54mm) or shim-mounted devices, specify on order.
- Plate Dimensions: 2-1/2" x 15-1/4" x 1/4" (64mm x 337mm x 6mm)
- Pull Dimensions: 6-7/16" (164mm) on centers x 2-1/8" (54mm) projection
- For cylinder options, see page 17.
- Ordering example: 534F x 613
- Finishes: 605, 606, 611, 612, 613, 625, 626, 629, 630



Applications	Cylinder	Dummy Trim Blank Plate	Dummy Trim Pull Plate	Nightlatch	Nightlatch	Passage	Classroom	Storeroom
2100(F) 2110(F)	Rim	530F	534F	531F*	532F*	535F	533F	533F
ANSI		–	02	03	03	15	05	06

*Not recommended for use with 2110/2110(F) surface vertical rod exit devices.
Note: 06 achieved with single trim modification at installation.

OUTSIDE TRIM

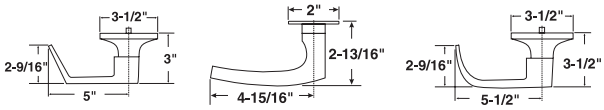
LEVER AND KNOB DESIGNS

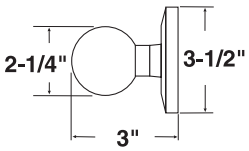
AR Arcadia Projection: 3-1/16" (78mm)	AU Augusta Projection: 2-5/16" (59mm)	CR Carmel Projection: 2-7/8" (73mm)	JN Jefferson Projection: 2-3/8" (60mm)	MO Monroe Projection: 2-3/16" (71mm)	PB Pacific Beach Projection: 2-3/4" (70mm)
PN Pinehurst Projection: 2-7/8" (73mm)	VI Virginia Projection: 2-3/4" (70mm)	BR Brandywine Projection: 2-11/16" (68mm)	CO Copenhagen Projection: 3-1/8" (79mm)	LF Litchfield Projection: 2-1/2" (64mm)	CA* Carolina Projection: 2-15/16" (75mm)

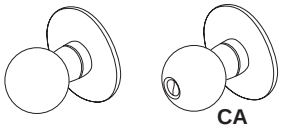
Note: CA knob available for 540F Series trim only.

540F SERIES ROSE TRIM

- 540F rose trim for stock doors (161 Prep).
- Through-bolted. 1-3/4" (44mm) door standard. For doors thru 2-1/4" (57mm) or shim-mounted devices, specify on order.
- AU, PB, MO and CA trim designs. See below.
- Accepts cylindrical type cylinders. See page 17.
- Finishes: 605, 606, 611, 612, 613, 625, 626.
- "B" trim prefix - Lever trim accepting Best®, Arrow® or Falcon® interchangeable core cylinders (specify 6- or 7-pin) (Example: BAU546F)
- "R" trim prefix - Lever trim accepting Corbin Russwin interchangeable core cylinder (example: RAB546F)
- 1-year warranty.





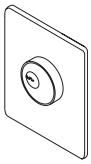


Applications	Dummy Trim Rigid Lever	Dummy Trim Free Wheeling Lever	Passage Lever	Classroom	Nightlatch Access by Key	Dummy Trim Free Wheeling Knob	Passage Knob	Classroom
2100(F) Rim and 2110(F) SVR	549F	548F	548F	546F	541F	CA544F	CA544F	CA542F
ANSI	02	02	14	08	03	02	14	08

OUTSIDE TRIM

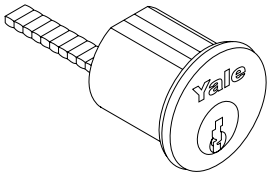
210F SERIES TRIM

- Through-bolted: 1-3/4" (44mm) door standard. For doors through 2-1/4" (54mm) or shim-mounted devices, specify on order.
- Plate Dimensions: 3-1/2" x 3-3/4" x 3/32" (89mm x 95mm x 3mm)
- Finger Pull Dimensions: 3-1/2" x 6-3/4" x 1/8" (89mm x 171mm x 3mm)
- For rim cylinder options, see page 17.
- Finishes: 689, 691, 695

				
Application	**Cylinder**	**Dummy Trim Pull Plate**	**Nightlatch Access by Key**	**Nightlatch Cylinder x Pull**
2100(F) 2110(F)	Rim	214F	213F	217F
ANSI		02	03	03

121 CYLINDER ONLY NIGHTLATCH TRIM

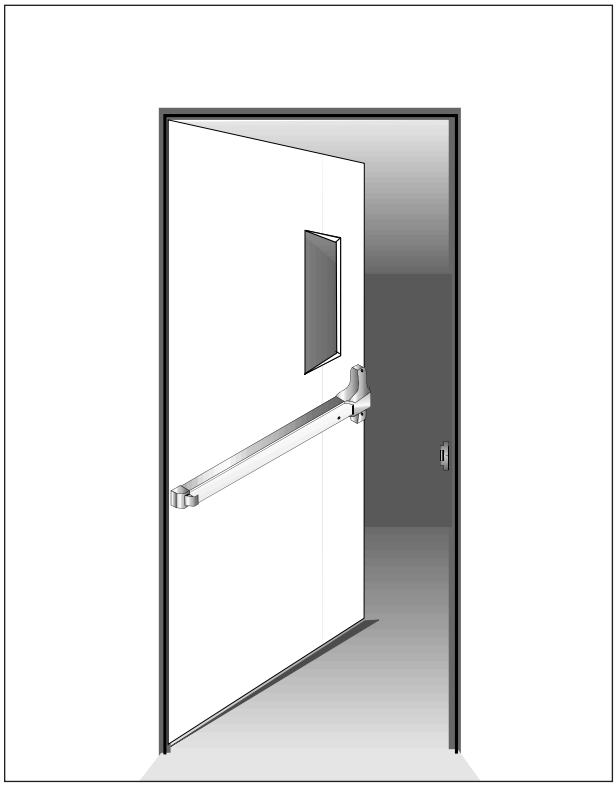
- Application: 2100(F), 2110(F) exit devices.
- Must specify rim cylinder when ordering. See page 17 for cylinder options.



Function Description	**Nightlatch Access by Key**
List No.	121
ANSI	03

APPLICATIONS

SINGLE DOOR



Rim Exit Device - Standard Opening

- ANSI 156.3 Type 1
- Easy installation
- Flush or wide stile metal, wood or composite doors
- Non-handed
- Exit only or with entry trim

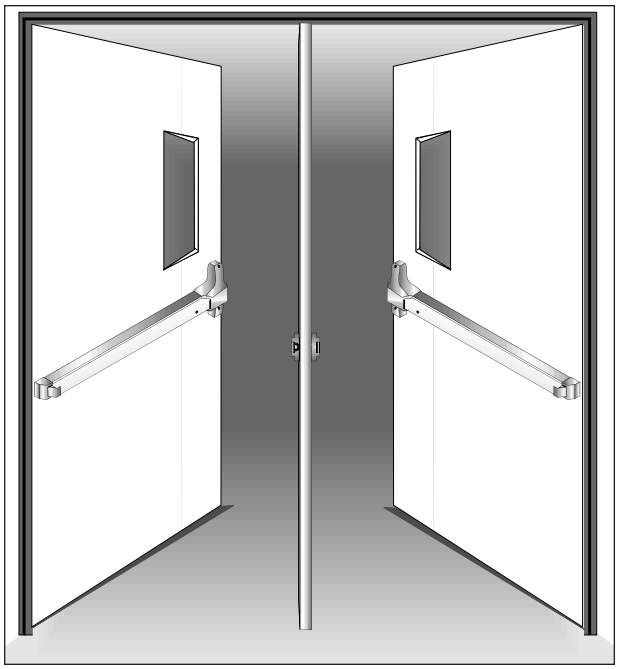
Exit Device	Panic Exit: 2100
	Fire Exit: 2100F
Operating Trim	210F, 520F, 530F, 540F Series
Ordering Example	2100-36” x 217F x RHR x 689

Rim Exit Device - Stock Door

- ANSI A115.2 or A115.18 (ASA 161) Prep Stock Doors
- Flush or wide stile metal, wood or composite doors
- Non-handed

Exit Device	Panic Exit: 2100
	Fire Exit: 2100F
Operating Trim	210F or 540F Series
Ordering Example	2100F-36” x AU546F x 695

PAIR OF DOORS WITH CENTER MULLION



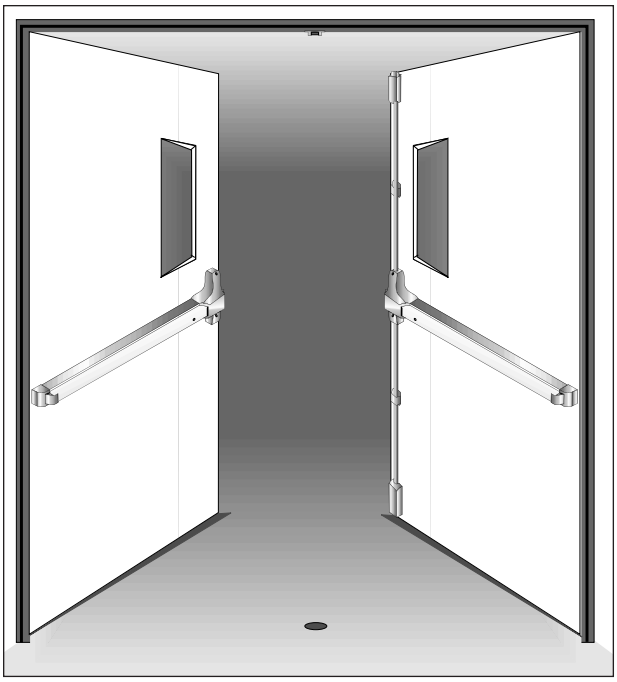
Two Rim Exit Devices - One Removable Mullion

- ANSI 156.3 Type 1
- Easy installation
- Flush or wide stile metal, wood or composite doors
- Non-handed
- Exit only or with entry trim

Exit Device	Panic Exit: (2) 2100 x M100
	Fire Exit: (2) 2100F x M100F
Operating Trim	520F, 530F, 540F, 210F Series
Ordering Example	2 each 2100-36” x AU541F x 695 1 each M100

APPLICATIONS

PAIR OF DOORS WITHOUT MULLION

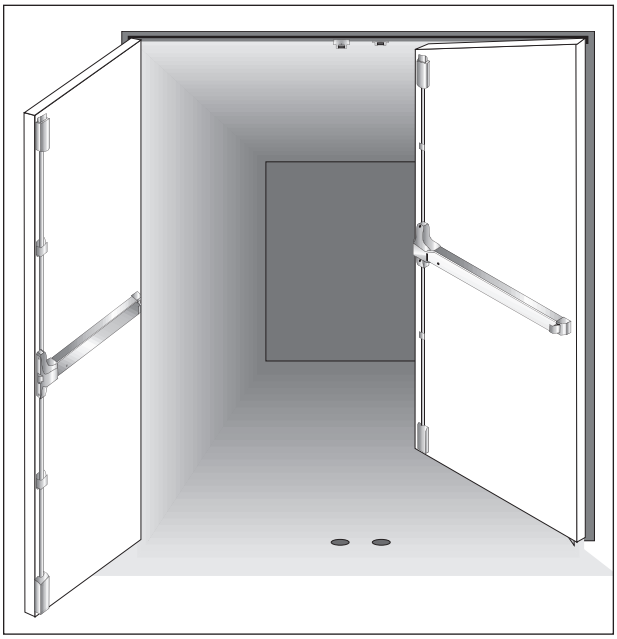


One Rim - One Vertical Rod Exit Device

- An economic solution for light traffic openings.
- Flush or wide stile metal, wood or composite doors
- Non-handed
- Emergency exit only

Exit Device	2100 Rim x 2110 SVR
Operating Trim	520F, 530F, 540F, 210F Series
Ordering Example	1 each 2100-42 x LHR x 217F x 793 x 689 1 each 2110-42 x RHR x 217F x 793 x 689

DOUBLE EGRESS OPENING



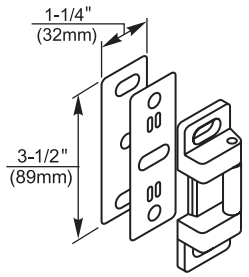
Two Surface Vertical Rod Exit Devices

- Two-point latch security
- Flush or wide stile metal, wood or composite doors
- Smoke control or fire exits
- Two-way traffic control

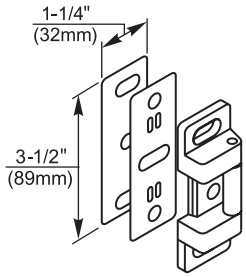
Exit Device	Panic Exit: (2) 2110
	Fire Exit: (2) 2110F
Operating Trim	210F, 520F, 530F, 540F Series
Ordering Example	2 each 2110F-42 x AU546F x LHR x 689

STRIKES

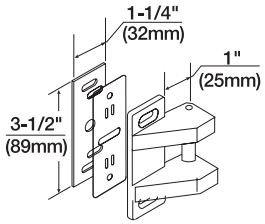
RIM DEVICES



757
Standard 2100

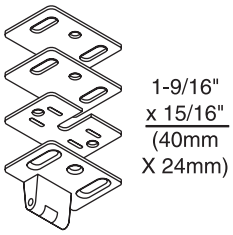


757F
Standard 2100F

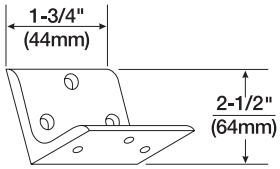


793
Optional strike for double door applications without a mullion.

VERTICAL ROD DEVICES - TOP STRIKES

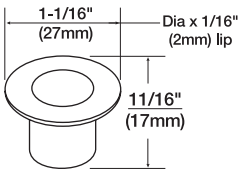


791
Standard 2110, 2110F

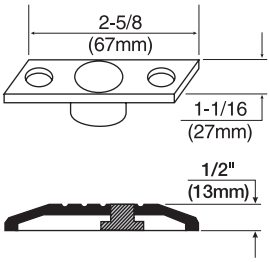


797
Bracket for SVR top strike in flush transom opening.

VERTICAL ROD DEVICES - BOTTOM STRIKES



790
Standard bottom strike for 2110, 2110F



794
Optional floor strike for fire openings using saddle threshold or flush floor mount. Must use for fire openings with thresholds.

EXIT DEVICE ACCESSORIES

SHIM KITS

Shim kits are available for devices on doors with interfacing molding. Each shim kit contains:
- 2 sets of 1/8" shims (shim up to 1/4")
- Longer fasteners
- Longer connecting bar for the trim
- Installation instructions

223 – Shim Kit for 2100(F) Series rim exit devices
224 – Shim Kit for 2110(F) Series surface vertical rod exit devices

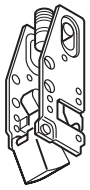
EXTENSION RODS

2110 surface vertical rod devices are supplied standard for 7' (2.13m) standard. Rods may be field cut or used with extension rods for other heights. To order, specify:

List Number	Length
2010-2	2" (51mm)
2010-6	6" (15.2cm)
2010-12	12" (30.5cm)

BOTTOM PULLMAN LATCH

Optional bottom Pullman latch available for panic-listed vertical rod exit devices. To order, specify "bottom Pullman latch."



SPECIALTY FASTENERS

Sex Nuts:
Required for wood, composite or unreinforced metal doors.
To order specify:
- SN-104 – pack of (4) 10-24 sex nuts for all fire rim exits
- SN-134 – pack of (4) 1/4-20 sex nuts for all devices

Wood Door Fasteners:
For solid core wood doors, permitted if pilot holes are used to install screws. Consult the factory for availability.

Torx® Security Screws available for factory product orders.

LONG SPINDLE KIT

Long spindle (tailpiece) kit for all series trim, up to 4-1/2" thick doors. Specify part number to order.

Part Number	Door Thickness	Trim Type
7000 Spindle Kit	2" - 2-1/4"	All Trim
81-9500-1633-000	2-1/2" - 3-1/2"	520F Series Lever & Knob Trim
81-9500-1634-000	3-1/2" - 4-1/2"	520F Series Lever & Knob Trim
81-9500-1635-000	2-1/2" - 3-1/2"	530F Series Thumbpiece Trim
81-9500-1636-000	3-1/2" - 4-1/2"	530F Series Thumbpiece Trim

MULLIONS

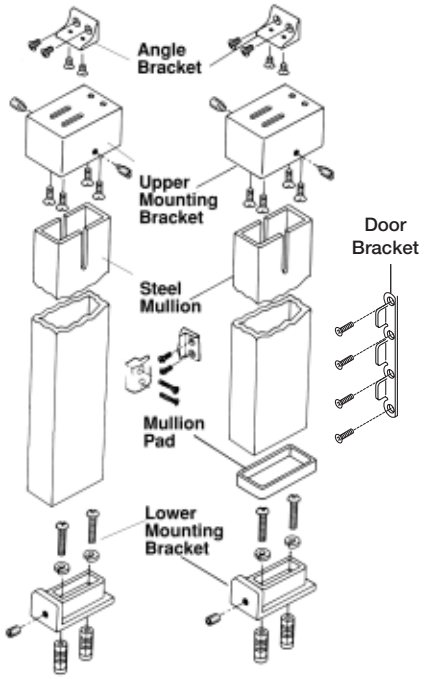
M100(F) REMOVABLE MULLION

M100(F) mullions are for use with 2100 Series exit devices. Mullions may be field cut to fit opening. Painted aluminum finish.

- M100 Removable Mullion
  For Panic Exits. Tubular steel, 1-1/2" x 3" (38mm x 76mm). Specify 7', 8', or 10'.
- M100F Removable Mullion
  For Fire Exits. Tubular steel, 1-1/2" x 3" (38mm x 76mm). Specify 7' or 8'.

102S MULLION STABILIZER KIT

Recommended for high openings and whenever door movement must be further restricted. To order separately, specify 102S.



M100 M100F

MULLIONS

KEYED REMOVABLE MULLION (KRM)

Keyed removable mullions are for use with 2100 Series exit devices. They are designed for simple removing/relocking when an unobstructed large opening is required. Patent # 6,427,387.

- KRM100 Keyed Removable Mullion for Panic Exits. Specify 7', 8', or 10'.
- KRM100F Keyed Removable Mullion for Fire Exits. Specify 7' or 8'.
- KRM150F Retrofit Kit. Fire-rated retrofit kit for all existing installations.

KRM FEATURES

- Easy cylinder installation.
- Mullion automatically relocks when reinstalled without the use of the cylinder key.
- Cylinder mechanism is in top fitting so it is not susceptible to damage when mullion is removed.
- Available in kit form to retrofit existing installations. Specify KRM150F.
- When ordering, add KR prefix to mullion, example: KRM100 and KRM100F.

KRM OPTIONS

- M103 Spacer Block
  Recommended for double rabbeted frames where the stop face width is less than the mounting hole spacing or for applications with 5-3/4" (146mm) or less door frames.

- M104 Angle Bracket
  Recommended for any header configuration with less than 3" (76mm) of mounting surface.

KRM CYLINDERS

As with any exit device trim, you must order a cylinder if one is required. The Yale® keyed removable mullion accepts a mortise cylinder. Refer to page 17 for details.

2116 ALARM KIT

The 2116 Alarm Kit affords a simple and economical means of providing the 2100 Series exit device with an audible alarm. This alarm is battery operated and completely self-contained. It serves as the hinge stile mounting bracket for the 2100 series exit device and operates when the device flat bar is depressed. It can be retrofitted to any existing 2100 series exit device. The Alarm Kit has a non-ferrous cover which is spray finished to match the exit device.

FEATURES

Complete Self-Contained:	Kit incorporates a solid-state circuit with electronically generated alarm. Powered by the supplied 9 VDC transistor battery.
Easy Installation:	Alarm kit requires only drilling and tapping 3 holes. Can be retrofitted to existing 2100 series exit devices.
Loud Alarm Db Level:	Alarm sounds loud, piercing tone (measures 90 to 96 decibels (Db) at 10 feet).
Cylinder Arm/Disarm:	A mortise cylinder (not supplied unless specified) arms and disarms the alarm. A Red LED indicator will illuminate every 30 seconds when the alarm is armed and in stand-by.
Arming Delay/Authorized Egress:	10-second delay (after arming) permitting egress (by turning key clockwise).
Tamper Resistant:	Removing cover will activate alarm. Battery is protected by a hardened steel shield. Alarm will continue to sound even when alarm switch wires are cut.
Nuisance Alarm:	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.)
Activation:	Alarm is armed by turning key clockwise. Low audible chirp indicates alarm has been activated. Alarm will sound when the exit device touchbar is depressed. Factory preset for standard alarm mode which automatically resets after 5 minutes.
Continuous Alarm Mode:	Alarm sounds continuously when the exit device touchbar is depressed. Alarm must be manually reset by keyswitch. (This feature is selected by a switch on the circuit board.)
Low Battery Drain:	On stand-by conditions (with few or no alarm activations) battery life is approximately one year.
Low Power Battery Indicator:	The electronic circuit will sound an audible beep every 30 seconds when the battery power drops below a safe operating level.
Warning Decal:	Alarm Kit is complete with a decal, warning user of the alarm, “EMERGENCY EXIT – ALARM WILL SOUND”.

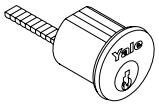
TECHNICAL DETAILS

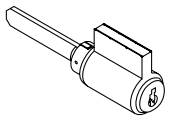
Minimum Door Width:	36"
Case Dimensions:	2-1/2" high, 2-3/8" deep, 7" long
Material:	Chassis, stainless steel; cover, non-ferrous.
Battery:	9 VDC transistor battery (not supplied)
Cylinder:	Mortise cylinder (refer to page 17 for details). Clockwise turn arms the alarm; counterclockwise turn disarms or silences the alarm. (Cylinder not included.)
Finishes:	689, 691, 695
Ordering:	Specify 2116 x finish

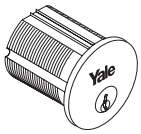
CYLINDERS

The following selection guide indicates the correct cylinder for each locking segment.

CYLINDER SELECTION GUIDE

Trim Series: 121/520F/530F		Types of Cylinder Mechanisms							
		Conventional		Patented Keyway		Security		High Security	
	**Fixed Core**	6-pin	7-pin	6-pin	7-pin	6-pin	7-pin	6-pin	7-pin
	Rim	1109	1109	K300	K300	5109	5109	U5109	U5109
	Interchangeable Core								
	LFIC	1193	1193	K840	K840	5193	5193	NA	NA
	SFIC	NA	NA	K640	K640	NA	NA	NA	NA
Refer to Yale® KeyMark® and/or Cylinders and Keys Catalog sections for all details and how to order examples.									

Trim Series: 540F		Types of Cylinder Mechanisms							
		Conventional		Patented Keyway		Security		High Security	
	**Fixed Core**	6-pin	7-pin	6-pin	7-pin	6-pin	7-pin	6-pin	7-pin
	Key-in-Knob	1801	N/A	K400	N/A	5801	N/A	N/A	N/A
	Key-in-Lever	1802	1802A	K402	K402	5802	5802A	N/A	N/A
	Interchangeable Core								
	LFIC	1210	1220	K800	K800	5210	5220	NA	NA
	SFIC	NA	NA	K600	K600	NA	NA	NA	NA
Refer to Yale® KeyMark® and/or Cylinders and Keys Catalog sections for all details and how to order examples.									

Alarm Kit and KRM		Types of Cylinder Mechanisms							
		Conventional		Patented Keyway		Security		High Security	
	**Fixed Core**	6-pin	7-pin	6-pin	7-pin	6-pin	7-pin	6-pin	7-pin
	Mortise	2153	2153	K100	K100	5153	5153	U5109	U5109
	Interchangeable Core								
	LFIC	2196	2197	K820	K820	5196	5197	NA	NA
	SFIC	NA	NA	K620	K620	NA	NA	NA	NA
Refer to Yale® KeyMark® and/or Cylinders and Keys Catalog sections for all details and how to order examples.									

Yale® KeyMark® PATENTED KEYWAY CYLINDERS

For those applications requiring patented key control, Yale's *KeyMark* line of patented keyway cylinders provides the ultimate protection against unauthorized key duplication. *Yale* KeyMark's utility-patented Security Leg® keyway features increased resistance against picking and impressioning and can easily retrofit into existing systems. For further details and availability, refer to the separate *Yale KeyMark* catalog.

SPECIFICATION

Exit devices shall be 2100 Series Pushpad Exit Devices as manufactured by Yale Commercial Locks and Hardware.

The exit device chassis and push pad assembly shall be of high-grade non-ferrous steel material, electroplated for protection against rust, and shall have a baked powder coating. The maximum projection shall be 2-1/2" when the push pad is active and 1-3/4" when the push pad 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 steel and shall have a baked powder coating to match the exit bar. Plastic 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. 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. 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 rim and vertical rod 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. Lever trims (except mortise) shall be Free Wheeling with clutch mechanism allowing lever to rotate 60° when locked to prevent vandalism. Lever trims shall match those on Yale® 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:
Federal Specification FF-H-1820
ANSI A156.3, Grade 1

Devices, trims and cylinders shall be from one manufacturer.

Devices and trim shall carry a one-year limited warranty.

HOW TO ORDER

2	1	X	0	Suffix	-XX	Outside Trim	Finish	Other Info
		Third Digit: “0” - Rim Device “1” - SVR Device		**Trim Suffix:** No Suffix - Panic label “F” - Fire label	**Size:** (DOW=Door Opening Width) “36” - 30" to 36" (0.76m to 0.91m) “42” - 36" to 42" (0.91m to 1.07m) “48” - 42" to 48" (1.07m to 1.22m)	**Trim List Number** See pages 7-9	Page 2	**Other Information:** Door Hand - RHR or LHR (SVR or Lever Escutcheon Trim only). Devices are field reversible. **SN-134, 1/4-20 Sex Nuts (pack of 4).** **SN-104, 10-24 Sex Nuts (pack of 4).** **Door Thickness: over 1-3/4” (45mm).** **Rod Extensions:** (quantity) 2010-2 (quantity) 2010-6 (quantity) 2010-12 **Shim Kits:** (quantity) 223 (quantity) 224 **Optional Strike (page 12)** **Bottom Pullman Latch (SVR Devices)** **Removable Mullion:** M100, Panic M100F, Fire KRM100 (Panic) KRM100F (Fire) **Alarm Kit:** 2116 **Custom Cylinder & Cylinder Ring (page 17)** **Factory Keying**

Notes:

- **It is recommended that exit devices and trim for the same opening be ordered together.**
- **Standard product and warehouse inventories are for 1-3/4" (44mm) reinforced metal doors.**
- **Accessories detached from the device and trim should be specified separately.**

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