



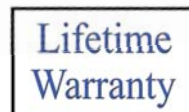
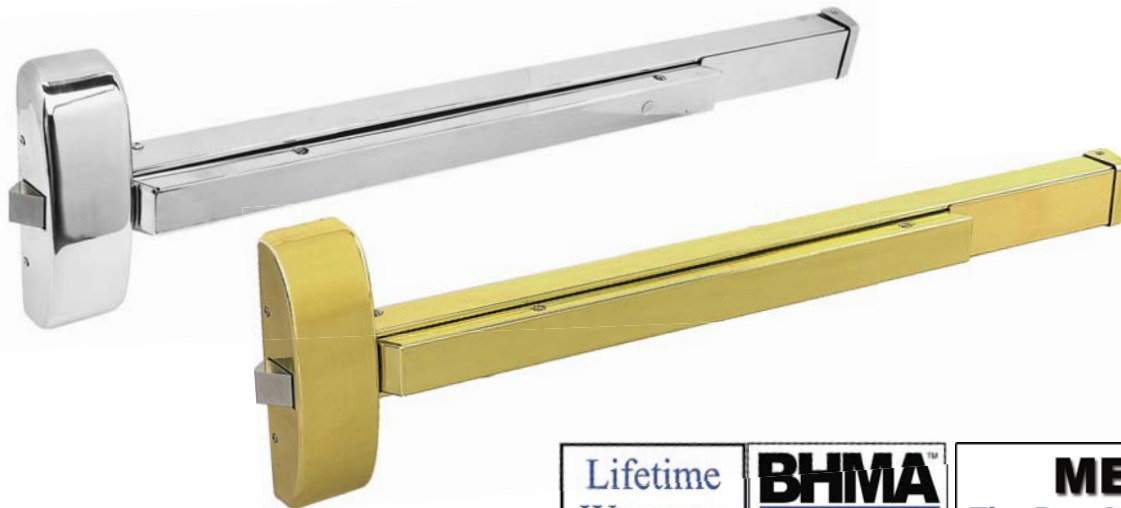
CAL-ROYAL

P R O D U C T S, I N C.



A9800 & AF9800 Rim Type Panic and Fire Exit Devices A9860 & AF9860 Vertical Rod Panic and Fire Exit Devices ANSI A156.3, Grade 1

ADA SERIES



Features & Construction

- ◆ **Retrofits Sargent 8800 Series using 9800 Escutcheon Trim**
- ◆ Americans with Disability Act (ADA) compliant 5 lbs opening force
- ◆ ANSI A156.3, Grade 1 heavy duty exit device in surface vertical rod and rim designs
- ◆ Rail assemblies and end caps are brass, bronze or stainless steel and rail travels in direction of the door swing
- ◆ Trims are thru bolted for additional security
- ◆ Conforms & meets ADA Regulations
- ◆ UL Listed for Panic and UL10C, UBC 7-2-1997 codes
- ◆ UL Listed for Fire Exit Hardware. 3 hours
- ◆ (A) label rating on pairs of doors up to 8'0" x 8'0" swinging in same or opposite directions
- ◆ Uncompromising security and safety in single and double fire exit doors
- ◆ Chassis mounted unit construction. Rim and vertical rod devices are non-handed and easily reversible

- ◆ Available in many different functions. Lever and escutcheon trims are grade 1 construction with clutch on rose trims. Escutcheon trims are rigid and covers 161 cutout
- ◆ For use in institutions, schools, universities, commercial buildings where heavy duty reliable operation is a requirement

Suggested Architect's Specifications

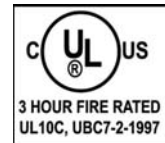
- ◆ All exit devices shall be of touch bar design with smooth operation and be operative over $\frac{2}{3}$ of the door's clear opening width
- ◆ All exit devices must be listed under "Panic Hardware" in the Accident Equipment List of Underwriters' Laboratories, Inc. Where labeled doors are used as exits, they must be equipped with labeled Fire Exit Hardware and UL10C, UBC 7-2-1997 codes
- ◆ All springs shall be of stainless steel throughout
- ◆ All exit devices shall be of chassis mounted unit construction
- ◆ All exit devices shall be ANSI A156.3, Grade 1, ADA option

A9800 & AF9800 ADA Series

GRADE 1, Rim Type Exit Device



Americans with Disability Act (ADA) compliant
5 lbs opening force



Specifications

- For Doors.....** 1 3/4" thick standard optional 2 1/4" thick. 4 1/2" minimum stile width required for single or double door application using standard 239 strike and pull or lever, thumbpiece and escutcheon trims. 2 3/4" backset
- Chassis.....** Non-ferrous alloy (Panic Grade), steel (Fire Grade)
- Cover.....** Brass, Bronze or Stainless Steel. Covers stock hollow metal doors with 161 cutout
- Mounting.....** Furnished with wood and machine screws. Available with thru bolts on request. **Thru bolts are included and standard packaging on fire rated devices**
- Dogging Feature.....** Allen-type key furnished standard on non-fire labeled devices. Cylinder dogging available
- Mullion.....** Available
- UL and ULC Listed...** A9800 Series for panic. AF9800 Series for fire exit hardware for all types of 4' x 8' single doors and 8' x 8' double doors for up to 3 hour fire labeled installations, conforms to standards UL10C and UBC 7-2-1997 codes
- Finish.....** Architectural plated finishes. See page 33
- Electronic Functions...** (ELR) Electrical Latch Retraction and RX & LX Signal Switch available

- End Cap.....** Brass, Bronze or Stainless Steel Construction
- Alarm.....** Available. See page 33
- Hand.....** Non handed, center hub
- Latch Bolt.....** Stainless Steel 3/4" throw
- Spring.....** Stainless Steel throughout
- ANSI Standard.....** A156.3, Grade 1
- Strike.....** 239 packed standard (See strike page)
- Trim.....** See Trim Designs section

Refer to the Price List for Stock Sizes and Finishes

DIMENSIONS

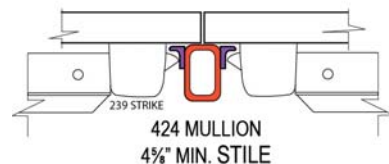
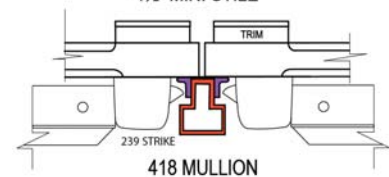
Touchbar height to finished floor	41" (1041mm) at center		
Touchbar Projection			
Neutral	2 1/2" (64mm)		
Depressed	1 3/4" (45mm)		
Center case	8 1/2" x 2 1/2" x 2" (216mm x 64mm x 51mm)		
MODEL	ACTUAL SIZE	MAX CUT DOWN	DOOR SIZE
A9800EO24, AF9800EO24	20"	2"	22" to 24" door width
A9800EO32, AF9800EO32	28"	6"	26" to 32" door width
A9800EO36, AF9800EO36	32"	6"	30" to 36" door width
A9800EO48, AF9800EO48	44"	12"	36" to 48" door width

Minimum Stile Requirements

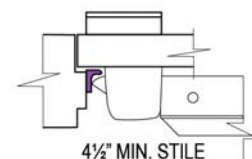
4" escutcheon trims and
4 1/2" for thumbpiece and rose trim

DOUBLE DOOR

4 1/2" MIN. STILE



SINGLE DOOR



A9860V & AF9860V ADA Series

GRADE 1, Vertical Rod Type Exit Device



Specifications

For Doors.....	1 3/4" thick standard optional 2 1/4" thick. 3 3/4" minimum stile width required for single door application. 3 1/2" minimum stile width required for double door application. Lever, thumbpiece and escutcheon trims available. 2 3/4" backset.
Top & Bottom Chassis.....	Non-ferrous alloy (Panic Grade), steel (Fire Grade)
Cover.....	Brass, Bronze or Stainless Steel. Covers stock hollow metal doors with 161 cutout
Mounting.....	Furnished with wood and machine screws. Thru bolts are standard packaging on fire rated devices
Alarm.....	Available. Prefix "NALRM" before part #
End Cap.....	Brass, Bronze or Stainless Steel Construction
Hand.....	Handed. Easily field reversible. Specify at time of order LHR, RHR for convenience
Latch Bolt, Spring.....	Stainless Steel
ANSI Standard.....	A156.3, Grade 1
Rail Assembly.....	Heavy Gauge Brass, Bronze or Stainless Steel



**Americans with Disability Act (ADA) compliant
5 lbs opening force**

Strike.....	See strike page
Dogging Feature.....	Allen-type key furnished standard on non-fire labeled devices. Cylinder dogging available
Electronic Functions.....	(ELR) Electrical Latch Retraction and RX & LX Signal Switch available
UL and ULC Listed.....	A9860 Series for panic. AF9860 Series for fire exit hardware for all types of 8' x 8' double doors for up to 3 hour fire labeled installations, conforms to standards UL10C and UBC 7-2-1997 codes
Finish.....	Architectural plated finishes. See page 33

Refer to the Price List for Stock Sizes and Finishes

MEETS
The Buy American Act

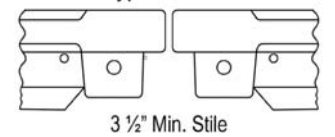


DIMENSIONS

Touchbar height to finish floor	41" (1041mm) at center
Touchbar Projection	
Neutral	2 1/2" (64mm)
Depressed	1 3/4" (45mm)
Panic grade top & bottom latch case	3 15/16" x 2 1/8" x 1 3/8" (100mm x 54mm x 35mm)
Fire grade top latch case	3 15/16" x 2-11/16" x 2-1/16" (100mm x 68mm x 52mm)
Fire grade bottom latch case	3 15/16" x 2 1/8" x 1 3/8" (100mm x 54mm x 35mm)
Top and bottom rod length for 36" x 84"	Top rod 37 1/2" (953mm), bottom rod 35 5/8" (905mm)
Top and bottom rod length for 48" x 96"	Top rod 49 5/8" (1260mm), bottom rod 35 5/8" (905mm)
Vertical rods	1/2" (13mm) Round tubing

Minimum Stile Requirements

Double Door with Two Vertical Rod Type Exit Devices



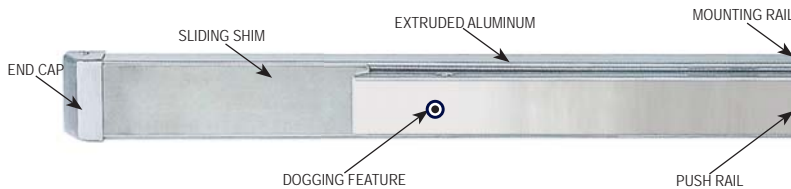
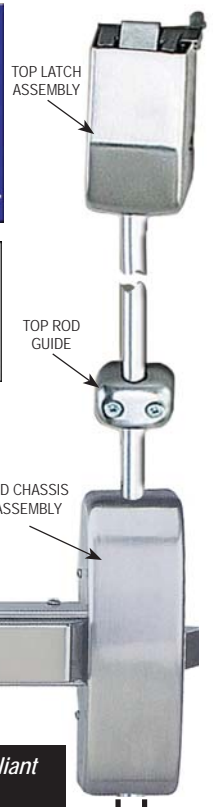
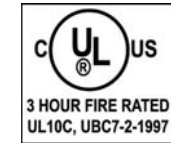
MODEL	ACTUAL SIZE	MAX CUT DOWN	DOOR SIZE
A9860V3684, AF9860V3684, A9890V3696, AF9890V3696, A9850V36120	32"	6"	30" to 36" door width
A9880V4896, AF9880V4896, A9840V48120	44"	12"	36" to 48" door width

ALBR9860V & ALBRF9860 ADA Series GRADE 1, Vertical Rod Exit Device Less Bottom Rod (LBR)



Specifications

- For Doors**..... 1 3/4" thick standard optional 2 1/4" thick. 3 3/4" minimum stile width required for single door application. 3 1/2" minimum stile width required for double door application. Lever, thumbpiece and escutcheon trims available. 2 3/4" backset
- Top Chassis**..... Non-ferrous alloy (Panic Grade), steel (Fire Grade)
- Cover**..... Brass, Bronze or Stainless Steel. Covers stock hollow metal doors with 161 cutout.
- Mounting**..... Furnished with wood and machine screws. Thru bolts are standard packaging on fire rated devices
- Alarm**..... Available. Prefix "NALRM" before part #
- End Cap**..... Brass, Bronze or Stainless Steel Construction
- Hand**..... Handed. Easily field reversible. Specify at time of order LHR, RHR for convenience
- Latch Bolt, Spring**..... Stainless Steel
- ANSI Standard**..... A156.3, Grade 1
- Rail Assembly**..... Heavy Gauge Brass, Bronze or Stainless Steel



**Americans with Disability Act (ADA) compliant
5 lbs opening force**

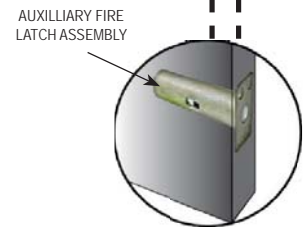
- Strike**..... See strike page
- Dogging Feature**..... Allen-type key furnished standard on non-fire labeled devices. Cylinder dogging available
- Electronic Functions**..... (ELR) Electrical Latch Retraction and RX & LX Signal Switch available
- UL and ULC Listed**..... A9860 Series for panic. AF9860 Series for fire exit hardware for all types of 8' x 8' double doors for up to 3 hour fire labeled installations, conforms to standards UL10C and UBC 7-2-1997 codes
- Finish**..... Architectural plated finishes. See page 33

Refer to the Price List for Stock Sizes and Finishes

DIMENSIONS

Touchbar height to finish floor	41" (1041mm) at center		
Touchbar Projection			
Neutral	2 1/2" (64mm)		
Depressed	1 3/4" (45mm)		
Panic grade top & bottom latch case	3 15/16" x 2 1/8" x 1 3/8" (100mm x 54mm x 35mm)		
Fire grade top latch case	3 15/16" x 2 11/16" x 2 1/16" (100mm x 68mm x 52mm)		
Fire grade bottom latch case	3 15/16" x 2 1/8" x 1 3/8" (100mm x 54mm x 35mm)		
Top and bottom rod length for 36" x 84"	Top rod 37 1/2" (953mm)		
Top and bottom rod length for 48" x 96"	Top rod 49 5/8" (1260mm)		
Vertical rods	1/2" (13mm) Round tubing		

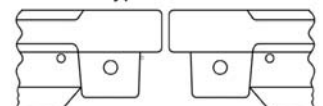
MODEL	ACTUAL SIZE	MAX CUT DOWN	DOOR SIZE
ALBR9860V3684, ALBRF9860V3684, ALBR9890V3696, ALBRF9890V3696, ALBR9850V36120	32"	6"	30" to 36" door width
ALBR9880V4896, ALBRF9880V4896, ALBR9840V48120	44"	12"	36" to 48" door width



**MEETS
The Buy American Act**

Minimum Stile Requirements

Double Door with Two Vertical Rod Type Exit Devices

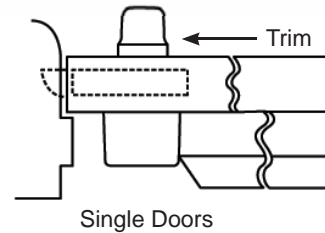
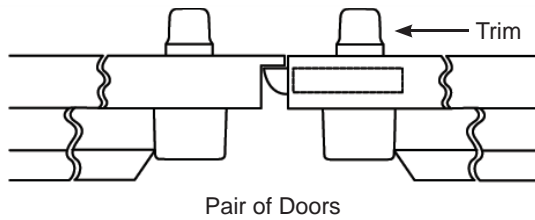


3 1/2" Min. Stile

AMR9800 & AFMR9800 ADA Series GRADE 1, Mortise Lock Exit Device

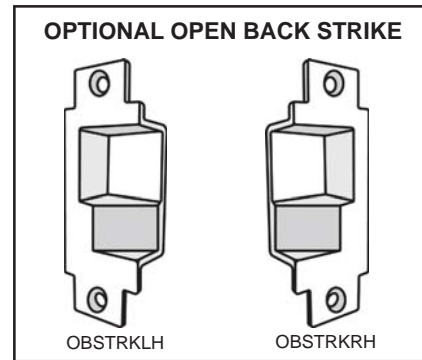


*Americans with Disability Act (ADA) compliant
5 lbs opening force*



Specifications

For Doors.....	Wood / Metal 1 3/4" (44.5mm) minimum thickness 4 1/2" (114mm) minimum stile width
Chassis.....	Non-ferrous alloy (Panic Grade), steel (Fire Grade)
Chassis Cover.....	Non-ferrous plated material
Mounting.....	Furnished standard with wood and machine screws
End Cap.....	Brass, Bronze or Stainless Steel Construction
Handing.....	Handed. Non-Reversible. Specify RHR or LHR
ANSI Standard.....	A156.3, Grade 1
Strikes.....	Standard ANSI strike
Fire Exit Hardware.....	AFMR9800 Series for fire exit hardware for all types of 8' x 8' double doors for up to 3 hour fire labeled installations, conforms to standards UL10C and UBC 7-2-1997 codes
Mortise Lock.....	Grade (1) for 1 3/4" (44.5mm) thick doors. Fits door prepared for ANSI Standard A115.1
Trim.....	See Trim Designs section
Electronic Functions.....	(ELR) Electrical Latch Retraction and RX & LX Signal Switch available
Alarm.....	Prefix "NALRM" before PART#
Dogging Feature.....	Cylinder dogging available for non-fire rated applications



Refer to the Price List for Stock Sizes and Finishes

MODEL SIZE	ACTUAL LENGTH	MAX CUT DOWN	DOOR SIZE
AMR9800EO36, AFMR98EO36	32"	6"	30" to 36" door width
AMR9800EO48, AFMR98EO48	44"	12"	36" to 48" door width