

Electric Latch Retraction Option (56-)

80 Series

SARGENT's Electric Latch Retraction exit device is the perfect choice for high traffic egress doors that require access control. This non-handed exit device rail is durable and easy to install. It utilizes a latch retraction motor rather than a solenoid, ensuring quiet operation ideal for locations such as conference rooms, theaters and libraries. Once retracted, the door functions in a push/pull manner.

The 56- exit device can be dogged for momentary ingress and egress and is commonly used in conjunction with an automatic door operator. The device can be dogged continuously on fire-rated devices that are tied into the building's fire detection system.



56- Electric Latch Retraction Features

- 5 year warranty
- U.S. Patent No. 7,484,777; Additional patent(s) pending
- Field serviceable -modular design
- Motor driven latch retraction for smooth, precise operation
- Amount of rail retraction is automatically controlled by the 56- circuitry; System actively monitors its position and adjusts itself
- Digital retraction timer (0-20 seconds; factory setting is 5 seconds)
- Non-contact Request-to-Exit (55-) switch available
- Retrofit kits available - see next page
- Standard electric hinge - no special power transfer required
- Can be used for continuous and intermittent use
- UL Listed for Class II Circuitry
- Power Requirements: 24VDC regulated/filtered power supply (3500 Series)
- Current draw: .6A during retraction and .25A maintained in dogged hold position
- Requires 1A at 24VDC regulated/filtered power supply
- Available for all 80 Series exit devices (except FM8700)
- See page 72 for compatible options
- Minimum Door Widths:
 - Wide Stile Door 28"
 - Narrow Stile Door 28"
- See McKINNEY's Transfer Device Solutions Catalog for QC Hinge and cable requirements
- Order as a 56- option
(e.g., 56-HK-8913F x ETMF x 32D x 36")

Note: HK- and 16- are not available for Fire Rated Doors

Note: The 56- Option is not supplied with Manual Dogging (Hex Key or Cylinder Dogging) unless specified

Optional Accessories

- 3500 Series Power Supply
- 4370 Keyswitch
- 4291/4292 Keypad
- 3287 Door Status Switch
- 881 Monitor Strike
- 4341 Push Button Switch (momentary)





Electric Latch Retraction Motor Kits and Push Rail Kits

80 Series

SARGENT®

ASSA ABLOY

M56- Motor Retrofit Kits			
The 56- Motor Retrofit Kits can only be added to 80 Series Exit Devices* & P Series Exit Device		Upgradeable Design  Exit Devices that are upgradeable have straight push rail nose & tail; manufactured starting in 2007	Upgrade using R56 Kits only  Exit Devices with a stepped Nose & Tail, produced prior to 2007, require the R56 Kits; the Push must be replaced
			Rail Sizes 
56- Push Retrofit Kit Number	Type of Device to be Upgraded	Kits Description: 56- Motor Kits	Rail Size is determined by the Pivot to Pivot Dimensions
M56A x Rail Size--	80 Series & P Series Exit Device*	Retrofits standard mechanical rail. Contains ribbon wiring.	8-1/2" = "E" Rail**
M56B x Rail Size	53-80 Series Exit Devices*	Retrofits 53- Exit Devices. Does not include 53- Signal Switch. Contains wiring to reconnect to the pre-existing 53- Chassis Signal Switch.	11-1/4" = "F" Rail**
			14" = "J" Rail
			20-1/2" = "G" Rail

* Except FM8700 Series Exit Devices and Exit Devices with a stepped Nose & Tail, produced prior to 2007

** Motor Retrofit Kits are identical for E and F size Rail Assemblies

- 55-M56 Kit: Request to Exit Signal Switch is integrated into the connecting arm within the rail
- 56- Motor Retrofit Kits can be used with 855 Request to Exit Kit or 816 Cylinder Dogging Kits
- Kits require a minimum insert length of 5" for 56- & 7" for 16-56- for the electronics
- Rail size is needed when ordering to supply the correct length wires

Option Available: 55- Non-Contact Request to Exit switch

How to Order: M56A (Kit #) x F (Rail Size)

Kit includes: Motor Bracket Assy, Motor Controller & Fasteners

R56- Retrofit Kits with Push Rail			
The 56- Push Retrofit Kits can only be added to 80 Series* Exit Device manufactured after 1995		Upgradeable Design  Upgradable Exit Devices do not have Pivots in the Mtg Rails; manufactured starting in 1995	Mounting Rail Pivots  Devices with Mounting Rail Pivot Pins can Not be upgraded
			Rail Sizes 
56- Push Retrofit Kit Number	Type of Device to be Upgraded	Kit Descriptions: 56- Push Retrofit Kits	Rail Size is determined by the Pivot to Pivot Dimensions
R56A x Rail Size & Finish	80 Series Exit Device*	Retrofits standard mechanical rail. Contains ribbon wiring.	8-1/2" = "E" Rail
R56B x Rail Size & Finish	53-80 Series Exit Devices*	Retrofits 53- Exit Devices. Does not include 53- Signal Switch. Contains wiring to reconnect to the pre-existing 53- Chassis Signal Switch.	11-1/4" = "F" Rail
			14" = "J" Rail
			20-1/2" = "G" Rail

* Except FM8700 Series Exit Devices and 80 Series Exit Devices produced prior to 1995

- Adding a R56 Kit to a 55- Rail, the 55- Switch will be eliminated.
- For 55-56- Rail Assemblies, use either a 55-R56 Kit or a R56 Kit with a 855 Kit
- R56A & R56B Kits can be used with 855 Request to Exit Kit or 816 Cylinder Dogging Kits
- Kits require a minimum insert length of 5" for 56- & 7" for 16-56- for the electronics

Options:

19- Push Rail less the Black Lexan Touch Pad

55- Non-Contact Request to Exit switch

HK- Hex Key Dogging to allow for manual dogging of the device

SG- MicroShield® antimicrobial clear powder coat (only available with 15, 26D and 32D finishes)

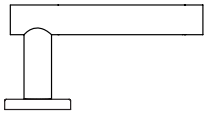
How to Order: R56A (Kit #) x F (Rail Size) x 32D (Finish);

Kit includes: Motor Bracket & Push Rail Assy, Motor Controller & Fasteners

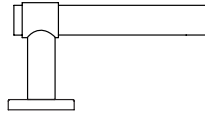
How to Order Gramercy Series Levers

80 Series

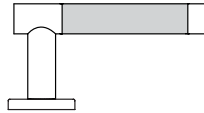
Gramercy Series Levers



REM, RGM



RCM



RAG, RAL, RAM**, RAS, RAW

Gramercy Finish Codes

ANSI/BHMA Finish	SARGENT Finish	Gramercy Code*	Description
630	32D	30	Satin Stainless Steel
629	32	29	Bright Stainless Steel
N/A	N/A	BH	Maple (wood insert)
N/A	N/A	BK	Black (Santoprene™ or leather insert)
N/A	N/A	BN	Brown (leather insert)

*Code used to specify Gramercy Series finishes only. Use available finishes list to specify desired finish when ordering.

Gramercy Lever Descriptions & Available Finishes

Lever Designation	Lever Description	Available Finishes (AS ORDERED)
RAG	Grooved Insert	2929 or 3030
RAL	Leather Insert	29BK29, 29BN29 or 30BK30, 30BN30
RAM	Satin Metal Insert	2930** only (SEE NOTATION)
RAS	Santoprene Insert	29BK29 or 30BK30
RAW	Wood Insert	29BH29 or 30BH30
RCM	Raised Band	2929, 3030 or 2930**
REM	Plain	2929 or 3030
RGM	Two Grooves	2929 or 3030

Two-tone finish — grip of lever is 32D, balance of lever is 32. **ET will be provided in 14 finish (bright nickel) to match. If 15 finish (brushed nickel) is desired please contact Customer Service for details.

To order Gramercy Series levers with SARGENT products, see the examples below. When specifying finish, use the last two digits of the BHMA standard finish code, i.e. use "29" for polished stainless, BHMA finish 629

Sample order on how to specify an Exit Device with Gramercy levers

						Gramercy Lever information								
Options	Series	Function	Rail Size	Voltage	Trim	Lever	Finish			Hand	Inside Finish	Door Width	Opening Height	AFF
Select from 80 Series catalog				Specified for electrical functions	Select from 80 Series catalog	Leather insert	Bright stainless steel with brown leather			RHR, RH, LHR, or LH	Select from 80 Series catalog		For vertical rod devices	Above Finished Floor
10-	87	73	F	12VDC	F	RAL	29	BN	29	RH	32D	36"	84"	41"