

**Klacci®**  
life unlocked.



**1000<sup>Series</sup>**  
**Exit Devices**

Certified A156.3-2014 Grade 1



**1000** Series

**Exit Devices**

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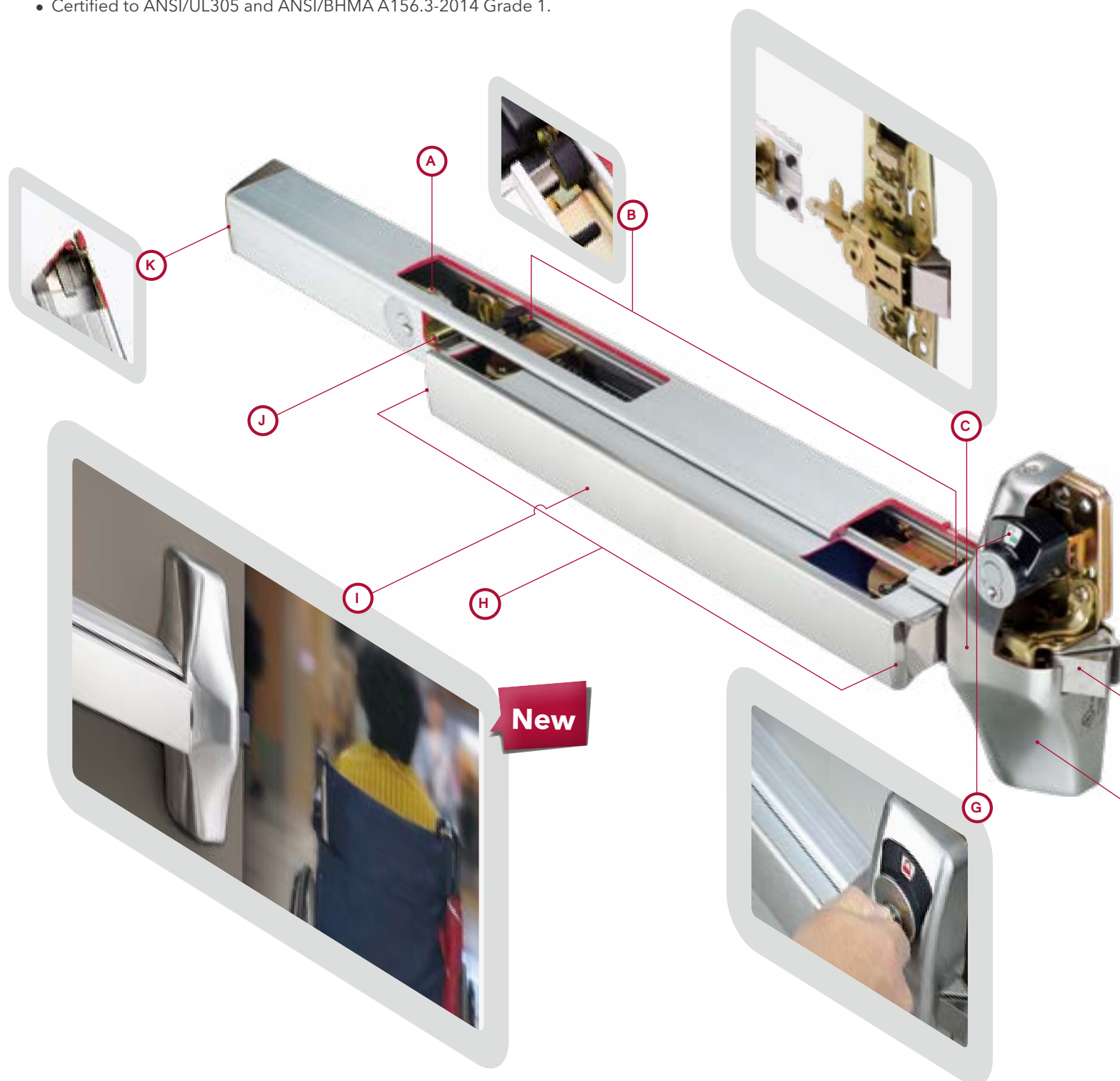
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# Features

**The 1000 Series Exit Devices are fabricated and blended with simplicity, strength, durability, aesthetics and installer-friendly innovations.**

- Devices and trims are designed for new or retrofit installation into other manufacturers' exit devices and trims.
- Made to comply with the highest safety and security standards in industry.
- UL/cUL listed for panic hardware or 3-hour Fire Rated Exit Hardware.
- Certified to ANSI/UL305 and ANSI/BHMA A156.3-2014 Grade 1.







- A** Simple cylinder built in add-on kit.
- B** Special plastic inserts and rubber bumpers reduce noise and don't fail under high or low temperatures. Impervious to petroleum lubricants.
- C** Detachable center case allows switching between mechanical and electrical options which replaces the need of buying two complete sets.
- D** Replaceable cam breaks at a predetermined load to prevent further damage of the trim mechanism. Handling change is simple and easy, just remove screw and cam from mechanism and rotate lever to desired position, then replace cam and fasten the screw.
- E** Stainless steel latch and deadlatching blade add perceived value.
- F** Center case with maximum versatility, Surface and concealed vertical rods can be adjusted inside the center case with an ingenious rod holder design.
- G** Double cylinder with indicator devices are used as classroom intruder locks, allowing the locking of the outside trim without opening the door.
- H** Integrated end cap reduced projection minimizes catch hazard and add stability to the push bar to move smoothly regardless of where the pressure is applied on push bar.
- I** Push bar is smoothly surfaced. Light force applied to the push bar can release the latch. Accessible version is also available to meet the 2010 ADA Standards and Accessible Design to operate the device with 5 lbs of force.
- J** Dogging can be done with an allen wrench, a small flat key or a flat blade screwdriver.
- K** Flush end cap design.
- L** Option of 600 Series Pull Handle trim - new experience of door opening with no other products in the market can match.

# 1000 Series Exit Devices





## The Product

1000 Series Exit Devices and Trims are designed for new or retrofit installation into other manufacturers' devices. Push Bar assembly's smooth and reduced projection minimizes catch hazard. Device function is field selectable by adaptation with selected type of trim. A full complement of lever trim is available in wide range of architectural finishes.

## The ANSI/BHMA A156.3-2014 Grade 1

Inherits from the excellent quality and performance of Klacci, the 1000 Series exit device is certified to meet ANSI/UL305 and the ANSI/BHMA A156.3-2014 Grade 1 cycle test requirement. Other than the already rigorous testing standard, the latch needs to withstand a 20 lbs weight loading to it in the cycle test to make sure it stays latched during any viciousness attempts. Devices and trims are also UL/cUL listed for panic hardware or fire-rated hardware. 1000 Series provides superior durability for high impact applications such as offices, schools, banks, assisted living facilities and other institutions or commercial buildings.



Klacci is a registered brand of I-TEK Metal Mfg. Co. Ltd. Taiwan.



A gentle push for more  
convenient accessibility

**Less Than 5 lbs of  
Push Force to Exit**





1105 / F1105  
Accessible Rim Exit Devices

- The push bar requires only 5 lbs, or less of force to retract the latch.
- Operable with one hand without the need of using robust force.
- Meets the 2010 ADA Standards 11B-309.4 and California Building Code 11B-309.4 operation.
- Complies to the new ANSI/BHMA A156.3-2014 Grade 1 cycle test requirement for a net 20 to 22 lbf of load applied on the latch during testing.
- Specify one for all your needs - panic or fire rated doors, high traffic exits, full accessibility areas.

## **Strength is Not the only Option, Exit Control Can Be Gentle**

Without compromising any strength and durability of the Klaccki 1000 Series exit device, the accessible Rim Exit Device can be operated with 5 lbs of push force. Not only it meets the requirements of the 2010 ADA Standards and California Building Code 11B, the accessible rim exit devices are most suitable for accessibility demand from hospitals or health care centers.

## **The Exit Device for Anyone, Any Places**

The accessible Rim Exit Device makes sure the exit can be operable with the least amount of force, while keeping the maximum strength. No one should be exempted from evacuation when it happens. Simply the choice of safety and security.

See page 19.

A photograph of a theater entrance. A glass door with a brass handle and a small electronic lock is visible on the right. Through the door, rows of red upholstered seats are visible in a theater or auditorium. A red semi-transparent box is overlaid on the left side of the image, containing white text.

# **From Keyed Access to Smart Access**

## **Sectional Readers for 1000 Series**

Sectional readers make simple on converting your conventional exit doors into smart electrified access controls. Benefits from the expertise of Klaccki, you can control your access by choosing various of methods from passcode entry or RFID card, to mobile phone app unlocking or even using facial recognition.

See page 52.





### **i Series Reader**

Unlocking method:  
RFID card, NFC & BLE  
thru mobile phone app



### **iF-R Series Reader**

Unlocking method:  
Passcode + Facial Recognition  
thru mobile phone app



### **iK Series Reader**

Unlocking method:  
Passcode with physical keypad

# Door Opening with One Pull Motion



- Get a more comfortable grip with its curved design and touch.
- The slanted cylinder design allows face to face sight with the user.
- An ergonomic grip handle that brings balance between functionality and aesthetics.

**600 Series  
Pull Handle**

**New**

See page 29





# Security At-a-glance

## Classroom Security Solutions

Indicators provide the most direct visual assistance of the locked/unlocked status of the door during emergency events. The indicator window and message is designed to have status of the lock able to be seen clearly distance away within the inside of the room.

Now the 1000 Series Exit Device comes with the available indicator option on double keyed devices. Verifying the locked/unlocked status of critical main entrances or exits can be peace of mind.

See page 33.







# When Sequence Orders Matter

We all know one comes before two in numbers, safety comes ahead of convenience.

Klacci's CR Series Bar Coordinators offer a simple yet effective way of regulating double door entries. These products guarantee a correct order of door closing and prevent that any entry that is not properly closed may cause a safety concern in case of emergency.

See page 41.



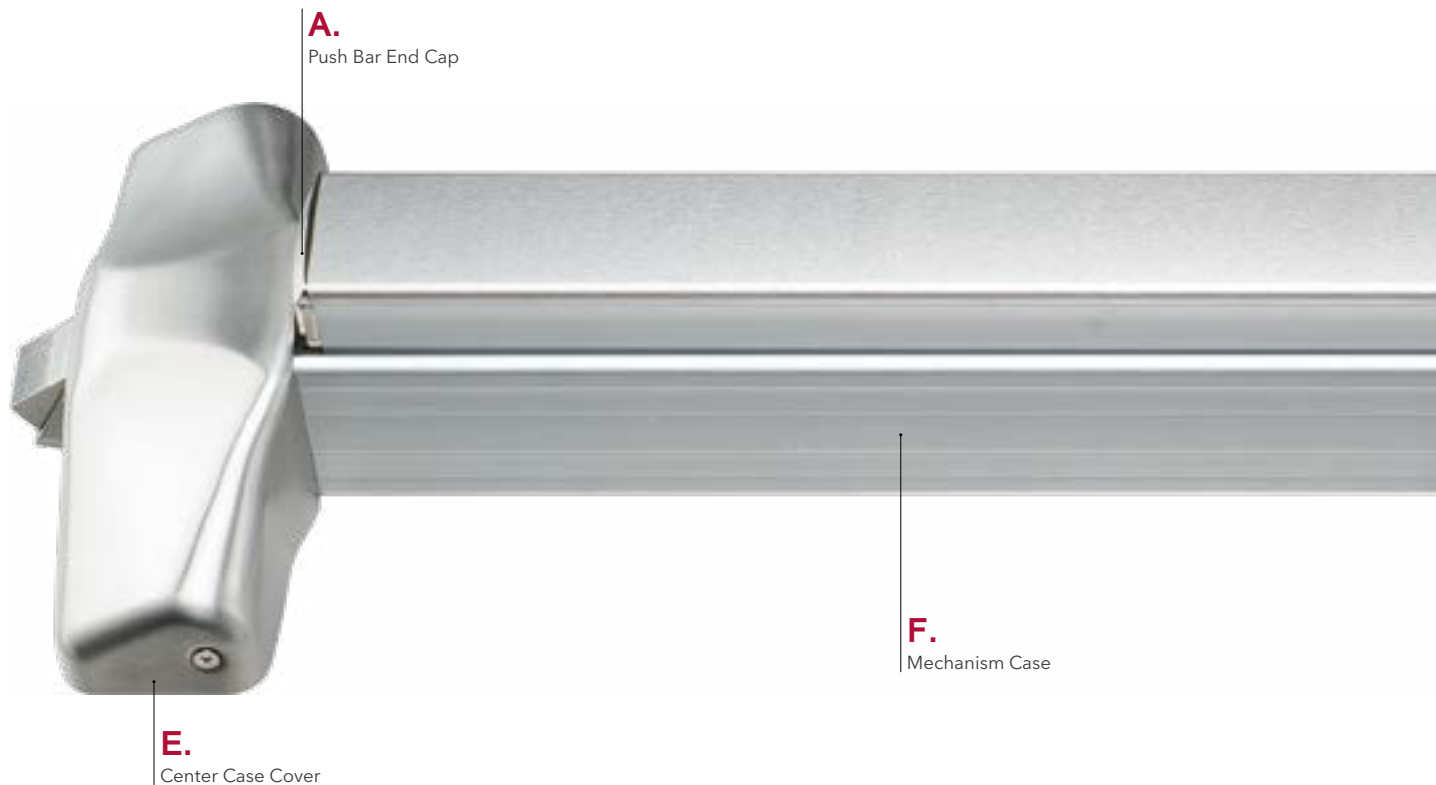




# General Overview

## Device Material

1000 Series is furnished standard with grooved case. Smooth surface style is available. The two styles are mechanically and dimensionally identical and come with a wide selection of finishes.



## Finishes

Color	ANSI/BHMA	US	B.E.G.	A.D.	C.F.H.
Polished Brass	605	3	Brass, Polished	Plated	Buffed Anodized
Satin Brass	606	4	Brass, Satin	Plated	Anodized
Polished Bronze	611	9	Bronze, Polished	Plated	Buffed Anodized
Satin Bronze	612	10	Bronze, Satin	Plated	Anodized
Dark Oxidized Satin Bronze	613	10B	Bronze, Satin; Dark Oxidized	Plated	Anodized
Polished Chrome	625	26	Brass, Polished & Plated	Plated	Buffed Anodized
Satin Chrome	626	26D	Brass, Satin & Plated	Plated	Anodized
Satin Stainless Steel	630	32D	St. Steel, Satin	Plated	Anodized

For other finishes please consult factory.

### Push Bar Trim Options:

- Embossed "PUSH"
- Braille, embossed "CAUTION STAIRWELL"
- Red silk screen lettered "EMERGENCY EXIT ONLY - PUSH TO OPEN & SOUND ALARM"

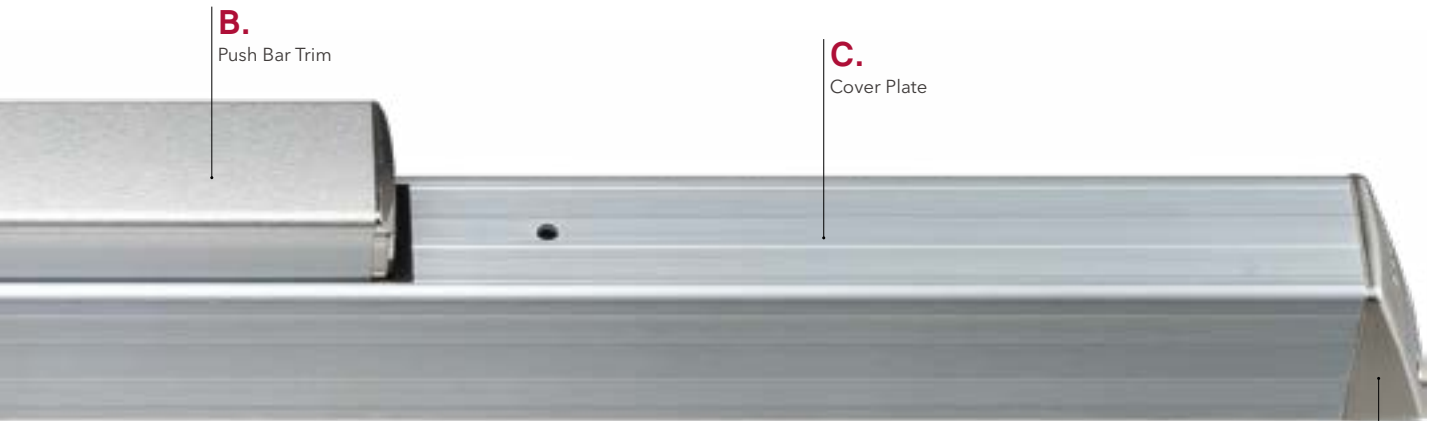
## Mechanism Case Options



Smooth



Grooved



**B.**  
Push Bar Trim

**C.**  
Cover Plate

**D.**  
Mechanism End Cap

**Optional for 1200,1500 (Not Shown)**

**G.** Latch Cover for Surface Vertical Rods

**H.** Vertical Rods

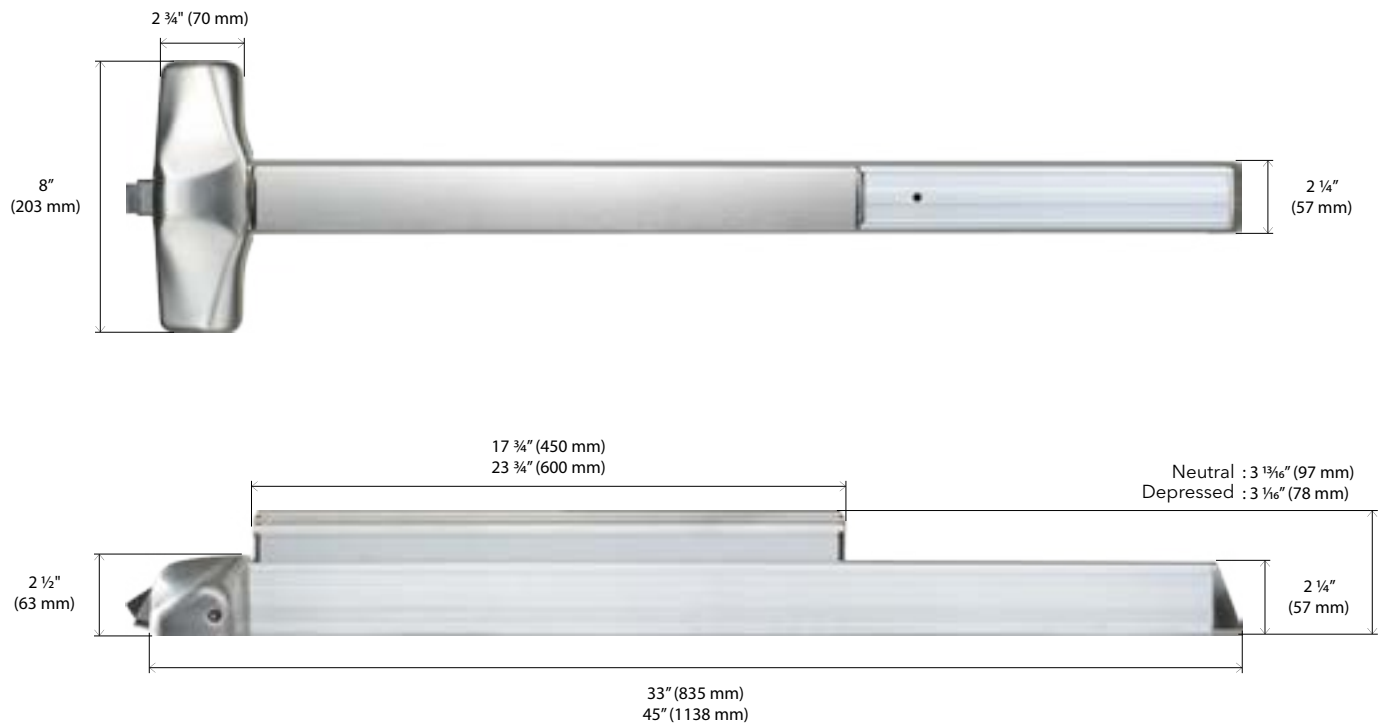
## Functions

ANSI/BHMA Number	Operation	Trim Option		
		200 Series Thumbpiece	300 Series Escutcheons	600 Series Pull Handle
01	Exit Only	201	N	N
02	Dummy Pull Only	202	302	602
03	Night Latch, Key Retracts Latchbolt	203R/203M	N	N
05	Key Locks or Unlocks Latchbolt	205R/205M	N	N
07	Inside / Outside Key Locks or Unlocks Latchbolt (Double Cylinder)	205M	N	N
08	Key Locks or Unlocks Latchbolt	N	308R/308M C308R/C308M	608R/608M
09	Night Latch, Key Retracts Latchbolt	N	309R/309M	609R/609M
10	Inside / Outside Key Locks or Unlocks Latchbolt (Double Cylinder)	N	308R/308M C308R/C308M	N
14	Lever / Knob Always Active, No Cylinder	N	314R/314M/ HL400	614R/614M
15	Thumbpiece Always Active, No Cylinder	215R/215M	N	N

### Notes:

1. Device functions are field selectable with the removal of drive screw in back of center case and determined by the type of trim adaption.
2. The operation descriptions of the 600 Series trim is reference to the similar ANSI/BHMA function numbers.

# Dimensions



## Fasteners/Sex bolts (SNB)



	Devices No.	Specification	Qty.
<b>Without Trim</b>	1100/1105	1024 SNB (No.10-24)	8
	1200	1024 SNB (No.10-24)	6
		4120 SNB (No.1/4-20)	4
	1300/1400	1024 SNB (No.10-24)	6
	1500	1024 SNB (No.10-24)	8
<b>With Trim</b>		4120 SNB (No.1/4-20)	4
	1100/1105	1024 SNB (No.10-24)	2
	1200	1024 SNB (No.10-24)	2
		4120 SNB (No.1/4-20)	4
	1300/1400	1024 SNB (No.10-24)	2
	1500	1024 SNB (No.10-24)	2
		4120 SNB (No.1/4-20)	4

Furnished standard with machine screws. Specify sheet metal screws or wood screws when/if required. Specify Sex Bolts (SNB) where recommended or required by the door manufacturer.

Sex Nuts and Bolts (SNB) are furnished with 1024 SNB (No. 10-24) for device or 4120 SNB (No. 1/4-20) for top rod latch and bottom rod latch.



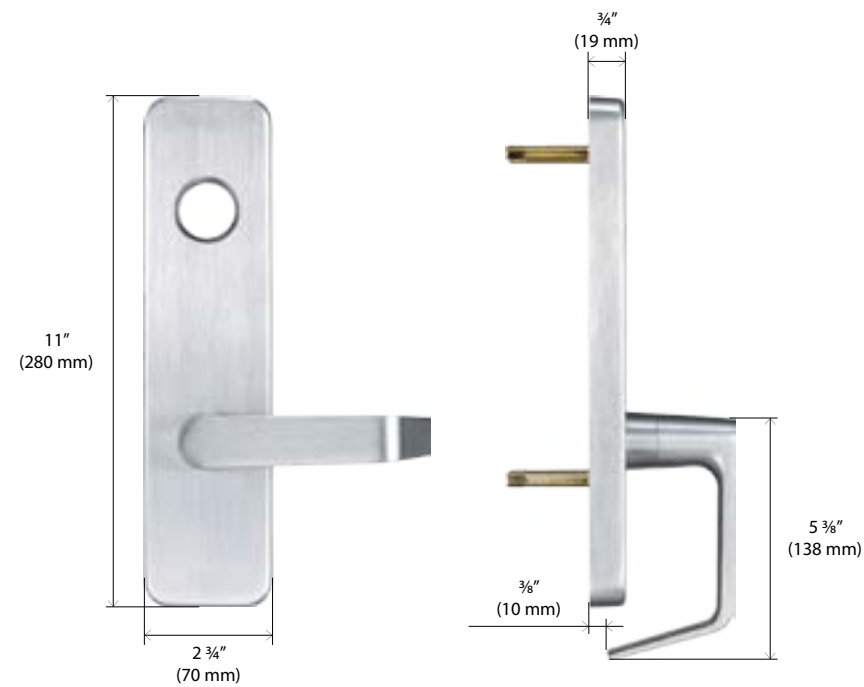
## Thumbpiece



## Pull Handle



## Escutcheon



# Device Options



1100 / F1100  
Rim Exit Devices (RIM)



1105 / F1105  
Accessible Rim Exit Devices (RIM)

**New**



1400 / F1400  
Mortise Lock Exit Devices (Mortise)



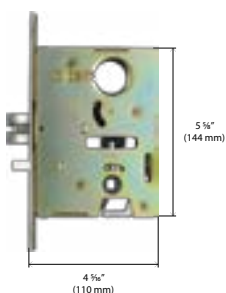
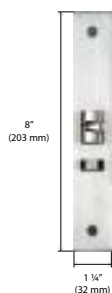
1200 / F1200  
Surface Vertical Rod Devices (SVR)



1300 / F1300  
Concealed Vertical Rod Devices (CVR)



1500 / F1500  
Three-Point Latching Exit Devices (3PT)



## Mortise Case

The 1400 model mortise lock is equipped with a 3/4" (19mm) anti-friction stainless steel latchbolt which is handing reversible without moving the cover from the case. It has a non-handed auxiliary bolt for deadlocking and a faceplate with an adjustable bevel. Fits door machined for ANSI A115.1 (type 86) mortise lock preparation.

## Fire Bolt

Fire bolt is heat activated - used in Less Bottom Rod (LBR) option for fire exit devices.



# Specifications

	1105	1100	1400	1200	1300	1500
Applications	Offices, schools, banks, assisted living facilities and other institutions or commercial buildings.					
Certification/Compliance	Panic devices UL/cUL listed for UL305 and ANSI/BHMA A156.3-2014 Grade 1 Panic Hardware. UL/cUL Fire rated for 3-hour Fire Exit Hardware, conforms to UL10C and UBC7-2. Also complies with NFPA 80 Fire doors and windows. Exit devices, levers, trims and pulls comply with American Disability Act (ADA) and NFPA 101 life safety code.					
Doors & Preparations	For new or retrofit installation into other manufacturers' devices. For maximum door opening applications and listings for fire exit devices, see page 55.					
-Mullion	with/without			with/without		
-Door Thickness	1-3/4" (45mm) ~ 2-1/4" (57mm).					
-Door Wide	3' (915mm)(standard) ~ 4' (1219mm).					
-Door High	7' (2134mm)(standard) ~ 8' (2438mm).			7' (2134mm)(standard) ~ 10' (3048mm).		
-Device Centerline from Finished Floor	39-5/8" (1006mm).					
-Door Undercut	1/4" (6mm).					
Center Case	Heavy wrought steel assembly with top and bottom rod adjusters. Adjustment accessible through center case after installation.					
Top & Bottom Latch Case				4-1/2" × 2-1/8" × 1-1/2" (114mm × 54mm × 38mm).		
Center Case Latchbolt	Stainless Steel, deadlocking, 3/4" (19mm) throw.					
Top Latchbolt				Stainless steel, Pullman type deadlocking, 5/8" (16mm) throw.		
Bottom Latchbolt				Stainless steel, Pullman type deadlocking, independent action 5/8" (16mm) throw. Round slide bolt optional.		
Fire Bolt				Available for door openings up to 8' (2438mm) wide × 10' (3048mm) high. Specify suffix "LBR".		
Electrical Functions	Can be interfaced with building security systems: see page 45.					
-AL Alarm Exit	V	V	V	V	V	V
-DE Delayed Egress Device		V	V	V	V	V
-ELR Electric Latch Retraction		V	V	V	V	V
-LM Latchbolt Monitoring	V	V		V	V	V
-RX Request to Exit	V	V	V	V	V	V
-SS Signal Switch		V	V	V	V	V
-E Electric Mortise Lock			V			
Dogging	NOT available on fire exit hardware. Flat/hex key dogging standard. Dogging options available for LD, CD, see page 36.					
Strikes	See page 31.					
-Panic						
--Top	106Z (roller type)	106 (roller type)	306	106 (roller type)	216	106 (roller type)
--Middle						106 (roller type)
--Bottom				227	227	227
-Fire						
--Top	108 (roller type)	108 (roller type)	306	108 (roller type)	216	108 (roller type)
--Middle						108 (roller type)
--Bottom				227F	227F	227F
Cylinders	NOT furnished standard, specify when required. For cylinder details, see page 35.					
Trim	The device and trim are sold separately, easy to mix and match, see page 21.					
Handing	Trim field reversible. Device non-handed. Except for double cylinder option. For double cylinder, specify handing when required.					
Fasteners	Machine screws and wood screws are furnished standard.					
Sex Bolts (SNB)	Required when used with wood, composite or non-reinforced hollow metal doors. See page 17.					

# Trim Operation Options



**200 Series  
Thumbpiece**

See page 23



**300 Series  
Escutcheon**

See page 27



**600 Series  
Pull Handle**

**New**

See page 29





# Trim Operation Options

## 200 Series Thumbpiece



Plate



Pull Only



With cylinder



### Features





- Trims are furnished with wrought plate and cast solid or forged grips.
- Trims are designed to retrofit into other manufacturers' devices.
- Trims are UL/cUL certified for ANSI/BHMA A156.3-2014 Grade 1 and 3-hour Fire Rated.
- Trims are through bolted and covering 161 and 86 cutouts. ("GD" grip furnished standard, unless specified). For trim dimensions see page 18.

ANSI/BHMA	01	02	03		
<b>Operation</b>	Exit Only	Dummy Pull Only	Night Latch, Key Retracts Latchbolt		
<b>Trim No.</b>	201	202	203R	203M	
<b>Device No.</b>	1100/1105	1100/1105	1100/1105		1100/1105
	1200	1200	1200		1200
	1300	1300	1300		1300
	1400	1400		1400	1400
	1500	1500	1500		1500
<b>Cylinder Type</b>			RIM	Mortise	Rim/Mortise

\*Double Cylinder

# Lever / Grip Options

Grip Options	
	
GD type Standard	GK type

	05	05/07*	15	
				
	Key Locks or Unlocks Latchbolt		Thumbpiece Always Active, No Cylinder	
	205R	205M	215R	215M
	1100/1105		1100/1105	
	1200		1200	
	1300		1300	
		1400		1400
	1500		1500	
	RIM	Mortise		



# Trim Operation Options

## 300 Series Escutcheon



### Dummy Trim

Lever or knob rigid for pull operation  
(For 02 function)



### Blank Escutcheon

Lever or knob always active  
(For 14 function)



### Night Latch

Key retracts latchbolt.  
Lever or knob is rigid  
(For 09 function)





### Features




- Escutcheon and lever with sleek and seamless design produced by casting or forging.
- Trims are designed to retrofit into other manufacturers' devices.
- Trims are through bolted and covering 161 and 86 cutouts.
- Handing field reversible.
- Trims are UL/cUL certified for ANSI/BHMA A156.3-2014 Grade 1 and 3-hour Fire Rated.
- Specify lever or knob design. ("D" lever furnished standard, unless specified).  
For trim dimensions see page 18.

ANSI/BHMA	02	08/10*	
<b>Operation</b>	Dummy Pull Only	Key Locks or Unlocks Latchbolt	
<b>Trim No.</b>	302	308R/C308R	308M/C308M
<b>Device No.</b>	1100/1105	1100/1105	
	1200	1200	
	1300	1300	
	1400		1400
	1500	1500	
<b>Cylinder Type</b>		Mortise	Mortise

\*Double Cylinder


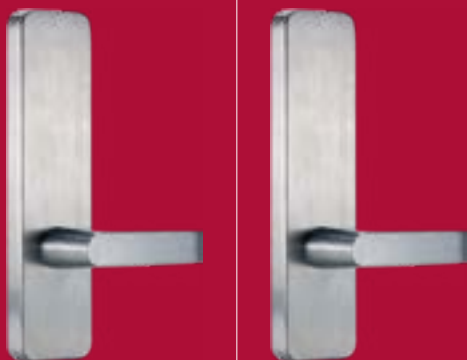

## Lever / Grip Options

Lever Options	
	
D type Standard	Q type
	
A type	K type

Knob Options		
		
B type Standard	P type	T type

09

14

				
Night Latch Key Retracts Latchbolt		Lever / Knob Always Active, No Cylinder		Pull latch
309R	309M	314R	314M	Type "HL 400"
1100/1105		1100/1105		
1200		1200		
1300		1300		
	1400		1400	1400
1500		1500		
RIM	Mortise			Mortise

# Trim Operation Options

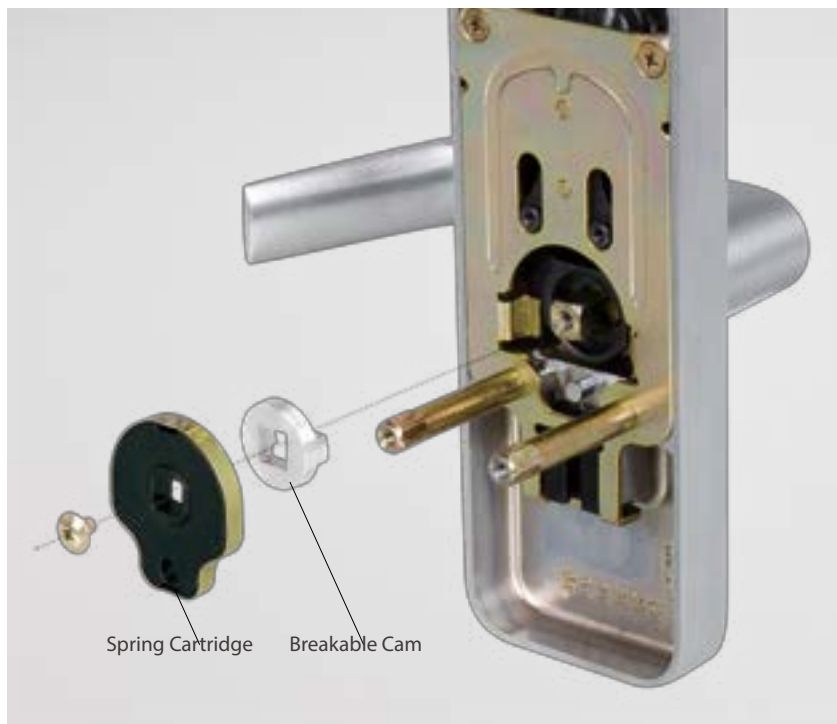
## 300 Series Escutcheon

### Standard Operation



#### Model 308

Key Locks or Unlocks  
Lever or Knob  
(For 08/10 Functions)



Model 308 Trim is composed of heavy duty investment cast steel. An internal breakable cam breaks away when a predetermined load is applied to the outside lever handle in locked mode without damaging the trim or compromising security. The cam is easily replaceable with minimum efforts.

The spring cassette and the breakable cam are replaceable parts.

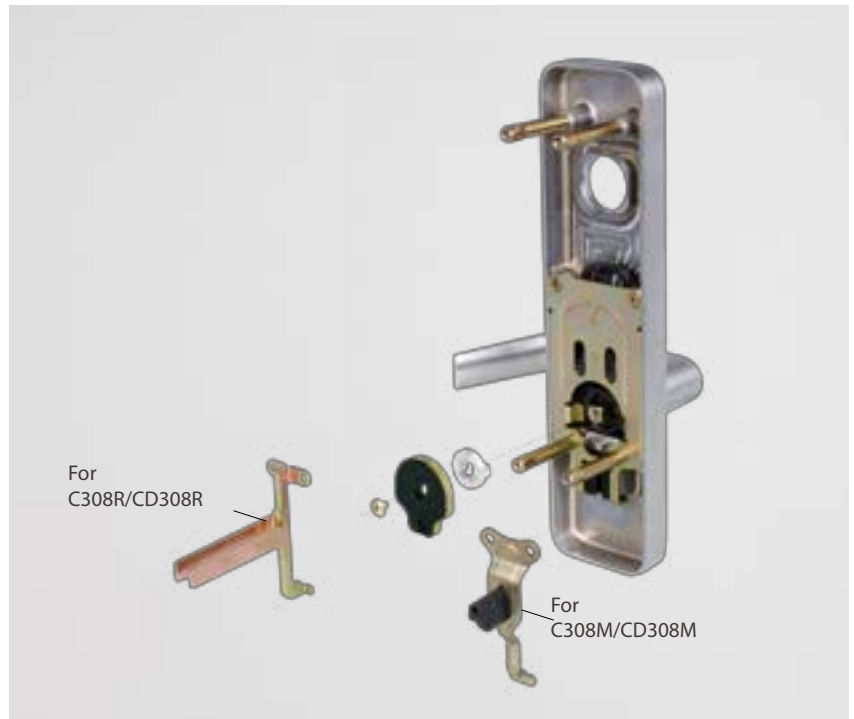


## Clutch Operation



### Model C308

Key Locks or Unlocks  
Lever or Knob  
(For 08/10 Functions)



Model C308 Trim is designed to withstand abusive conditions. Working parts are made of heavy duty investment steel.

When locked, the lever handle will turn freely and disengage from the center case of the exit device. When an excessive force is applied on the lever handle, it will cause the breakable cam inside the trim to break at a predetermined load, protecting the trim from further damage.

The spring cassette and the breakable cam are replaceable parts.

### Handing:

Adjust direction of spring cassette and lever handle to switch handing.

Trim: can switch between Rim (CD308R) and Mortise (CD308M) functions by changing the lift arm.

### The lift arm:

CD308M allows a small range of adjustment, making it easier for installation especially when it comes to dimension differences in door preparation.



# Trim Operation Options

## 600 Series Pull Handle



### Features

- For application with existing Klaccki 1000 Series Exit Devices.
- Ease of installation. Same mounting screw hole positions designed to fit Klaccki 1000 Series Exit Devices.
- Non-handed.



Pull Only



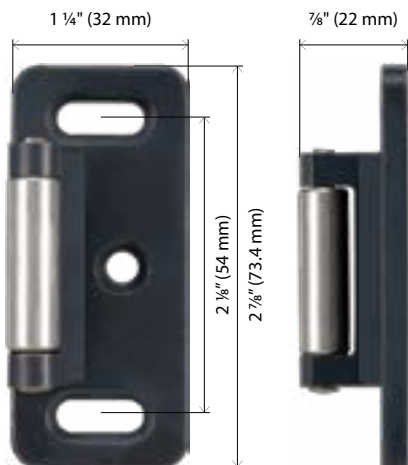
With cylinder

ANSI/BHMA	02		08		09		14	
								
Operation	Dummy Pull Only		Key Locks or Unlocks Latchbolt		Night Latch, Key Retracts Latchbolt		Pull Handle Always Active, No Cylinder	
Trim No.	602		608R	608M	609R	609M	614R	614M
Device No.	1100		1100		1100		1100	
	1105		1105		1105		1105	
	1200		1200		1200		1200	
	1300		1300		1300		1300	
	1400			1400		1400		1400
	1500		1500		1500		1500	
Cylinder Type			Mortise		Mortise			



# Strikes

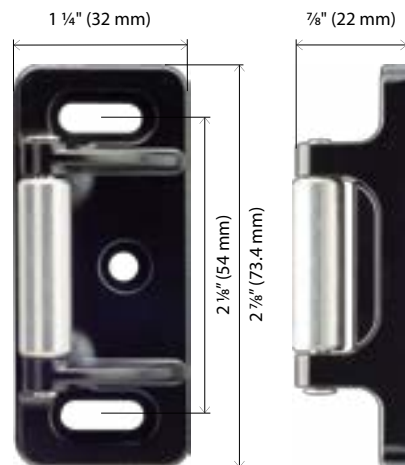
## Rim Device



**P/N. 106**

**Rim Strike**

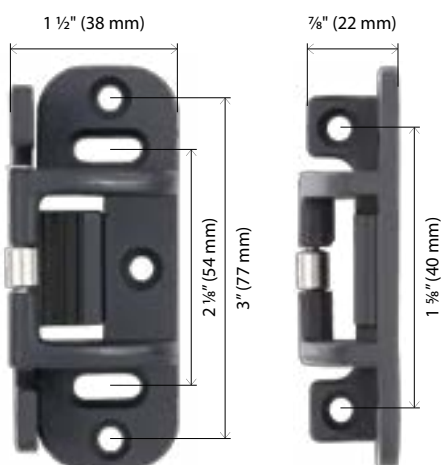
For RIM / SVR / 3PT top strike



**P/N. 106Z**

**Rim Strike**

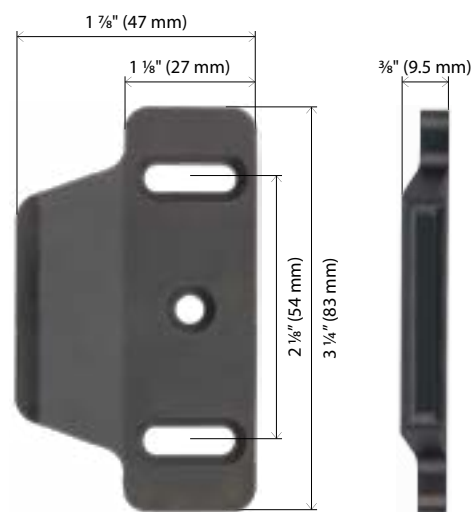
For RIM / SVR / 3PT top strike



**P/N. 108**

**Rim Strike**

For double door RIM / 3PT  
use with F170/F270 mullion



**P/N. 136**

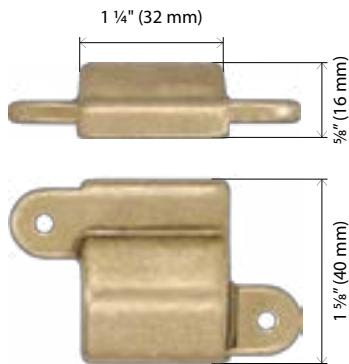
**Rim Strike**

For double door RIM / SVR / CVR  
combination with coordinator



## Vertical Rod (VR) Device

### Top Strike



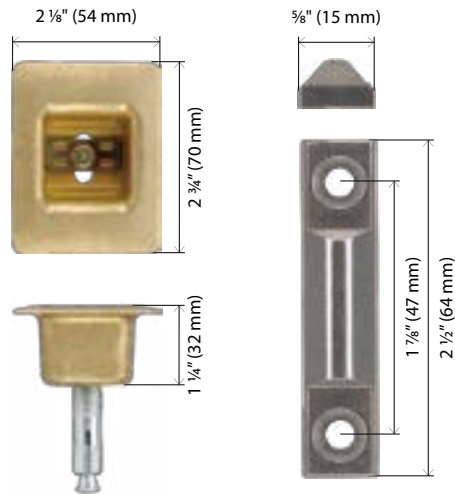
**P/N. 216**

**Top Strike**

For CVR



### Bottom Strike



**P/N. 227/227F**

**Bottom Strike**

Furnished standard  
for SVR / CVR / 3PT

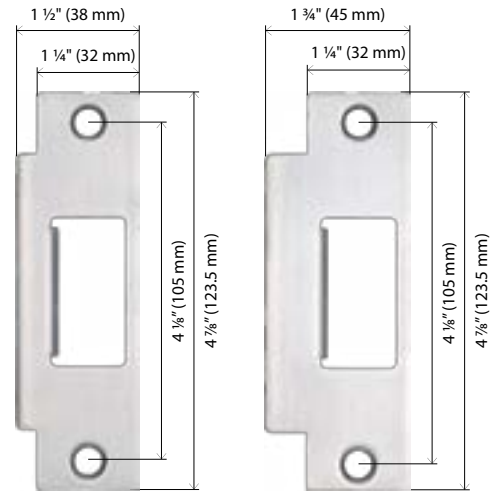


**P/N. 224**

**Bottom Strike**

Optional for  
SVR / 3PT

## Mortise Device



**P/N. 336**

**Strikes**

For use on 1-3/4"  
(45mm) thick  
double door  
with coordinator  
and astragal.

**P/N. 306**

**Strikes**

Furnished standard  
for use on 1-3/4"  
(45mm) or 2-1/4"  
(57mm) single door  
and 2-1/4" (57mm)  
double door with  
coordinator.



## Shim



**P/N. 616819-010**

For 106 Rim Strike

Two (2) pieces furnished standard



**P/N. 616819-030**

For 108 Rim Strike

Two (2) pieces furnished standard



**P/N. 616819-050**

For CVR top & bottom latches Strike

Sixteen (16) pieces furnished standard  
for Top and Bottom latches. Eight (8)  
pieces furnished standard for LBR

# Double Cylinder with indicator - Handed

1100/1105 Rim Device - Handed

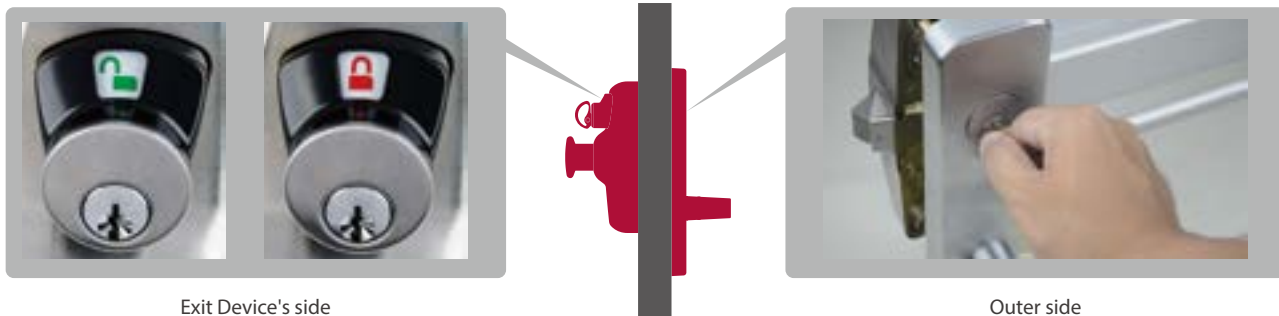


1400 Mortise Device - Handed



The Double Cylinder option is available on the Rim and Mortise Exit Devices. An indicator device installed on the inner side of door informs whether the outside trim is in a locked or unlocked state.

The outside key cylinder locks or unlocks the outside Trim. Specify Outside Trim with "07" or "10" function depending on trim options. When only the inside key cylinder is required to lock or unlock the outside trim and no outside cylinder operation is necessary for Rim Exit Device specify "08" (outside trim will be with blank mortise cylinder). For Mortise Exit Device specify "14" or "15" function depending on trim options.



## Applications

Device	Cylinder				Trim				
	Outside Cylinder					Inside Cylinder	Inside Thumbturn	Escutcheon	Thumbpiece
	Cylinder	Cyl. Length (Part/No.)	Door Thickness	Cylinder Cam					
Rim 1100/1105	Standard	1-1/4" (441-103) & 4240-0202	1-3/4"~2" (45~50mm)	440-0710	Rim Cylinder (I/C / STD) Tailpiece Length 3-1/8" (79.6mm)	OK	308R / C308R	N/A	
	I/C	1-3/8" (442-701) & 4240-0202	1-3/4"~2" (45~50mm)	440-0711					
Mortise 1400	Standard	1-1/2" (441-105)	1-3/4"~2" (45~50mm)	440-0702			308M	205M / 215M	
		1-5/8" (441-106)	2"~2-1/4" (50~57mm)						
	I/C	1-1/2" (442-702)	1-3/4"~1-7/8" (45~48mm)	440-0718					
		1-5/8" (442-703)	1-7/8"~2-1/8" (48~54mm)						
		1-3/4" (442-704)	2-1/8"~2-1/4" (54~57mm)						

**Note:** Cylinder and thumbturn are not furnished standard. Specify when required.

## Cylinder Cam



Extension Cam for RIM Device Double Cylinder (10 function).

Illustration		
Dimension	X=3/16" (5mm) Y=3/4" (19mm)	X=3/16" (5mm) Y=3/4" (19mm)
Cam No.	440-0710	440-0711

## Options of keyed cylinder or thumbturn indicator unit

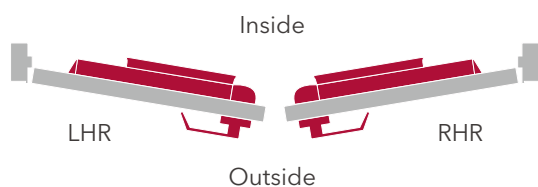


Cylinder



Thumbturn



## Handing of doors



The classroom security indicator devices are handed. Please specify LHR or RHR when ordering.

# Cylinders

Cylinders are not furnished standard with the device or trim, specify when required. Schlage® C keyway, 6-pin standard, available in 630 or 626 finish. Small format Interchangeable core combined/uncombined also available. Specify type and finish when ordering.

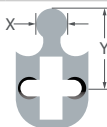
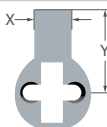
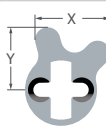
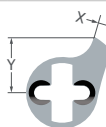
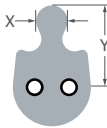
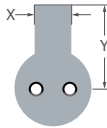
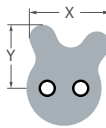
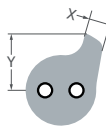
Cylinder Type	Applications	Trim	Cylinder	Cyl. Length (Part/No.)	Cylinder Cam
 I/C      Standard	03* / 05* / 07* for Mortise Device	200	Standard	1-3/8" (441-104)	440-0702
			I/C	1-3/8" (442-701)	440-0718
	08 for RIM/SVR/CVR*/3PT	300	Standard	1-1/8" (441-102)	440-0704
			I/C	1-3/8" (442-701)	440-0708
	08 / 09 for Mortise Device		Standard	1-5/8" (441-106)	440-0702
			I/C	See note 1	440-0718
	08 for All Devices	600**	Standard	1-1/8" (441-102)	440-0714
			I/C	1-3/8" (442-701)	440-0715
	09 for All Devices		Standard	1-1/8" (441-102)	440-0712
			I/C	1-3/8" (442-701)	440-0713
	Cylinder Dogging	All Device	Standard	1-1/4" (441-103)	440-0702
			I/C	1-3/8" (442-701)	440-0718
 I/C      Standard	03* / 05* for RIM/SVR/CVR/3PT	200	Standard I/C	Tailpiece Length 3-1/8" (79.6mm)	
	09 for RIM/SVR/CVR/3PT	300			

Note 1. Use 1-1/2"(442-702) for DT 1-3/4"~1-7/8" (45~48mm), or 1-3/4"(442-704) for DT 1-7/8"~2-1/4" (48~57mm).

\* Must use with Cylinder Guard (Part/No. 4240-0202).

\*\* The 600 Series trim must use with the specified cylinder and cam.

## Cylinder Cam

Illustration				
Dimension	X=1/4" (6mm) Y=5/8" (15mm)	X=3/8" (9.5mm) Y=3/4" (19mm)	X=5/8" (16.4mm) Y=9/16" (13.6mm)	X=3/16" (4.4mm) Y=7/16" (11.9mm)
Cam No.	440-0702	440-0704	440-0712	440-0714
Illustration				
Dimension	X=1/4" (6mm) Y=5/8" (15mm)	X=3/8" (9.5mm) Y=3/4" (19mm)	X=5/8" (16.4mm) Y=9/16" (13.6mm)	X=3/16" (4.4mm) Y=7/16" (11.9mm)
Cam No.	440-0718	440-0708	440-0713	440-0715

## Cylinder Guard

### 4240-0202 / 4240-0203

For use on 203 / 205 / 207 Thumbpiece Trim.

CVR with 308R Escutcheon Trim and Mortise with C308R Escutcheon Trim require specialized cylinder guards.

4240-0203 is used for special door thickness applications. For specification details, please contact our sales representative.



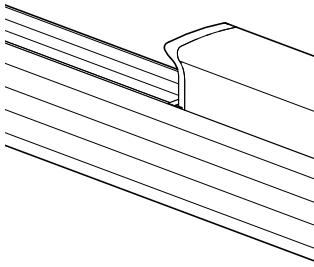
## I/C Core

"A" keyway standard supplied. Specify 6 or 7 pin, combined or uncombined and finish 606 or 626 when ordering. Consult factory for other keyways.





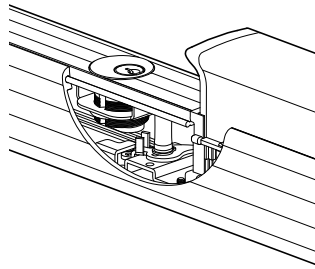
# Dogging



**LD**

## Less Dogging

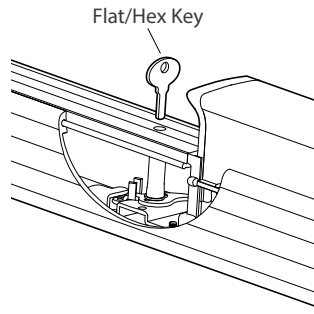
Less dogging is available in all 1000 Series panic exit devices.



**CD**

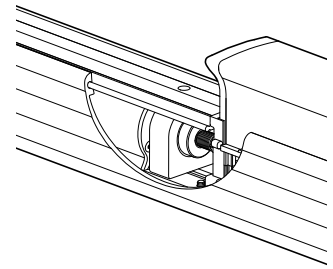
## Cylinder Dogging

Available for all models except for fire exit hardware. Cylinder dogging provides the ability to lock down the push bar with a key cylinder, allowing the door to be used in both push/pull mode. To order, specify "CD". Requires the use of a 1-1/4" (31.75mm) mortise cylinder (not furnished standard).



**HKD**

## Flat/Hex Key Dogging



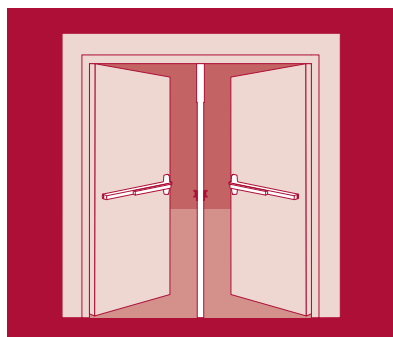
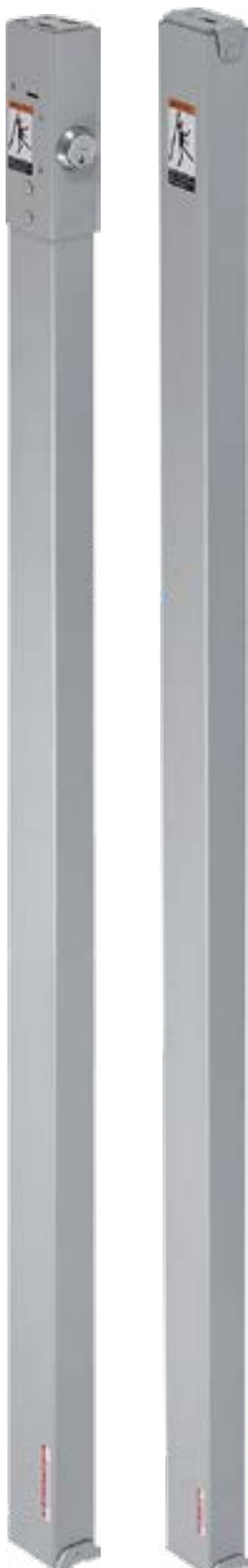
**ED(ELR)**

## Electrical Dogging

For details, see page 45.



# Mullions



Removable mullions are used with paired doors where a full width opening is only occasionally required. Doors are fitted with Rim exit devices and normally function as single doors. Available in 7', 8' or 10' (2134mm, 2438mm or 3048mm) lengths.

**A**

## Model 170 / F170 Keyed Removable Mullion

### Top and Bottom Fittings:

Investment cast steel, furnished with steel anchors for floors.

### Mullion:

2" x 3" (50.8mm x 76.2mm) steel.

### Stock size:

8' (2438mm) length standard, can be cut for opening less than 8' (2438mm).  
10' (3048mm) length available upon request.

### Finishes:

600, 689, 695.

### UL Listed:

Listed for 3-hour Fire Rated Exit Hardware.

### Cylinder:

Not furnished standard, keying is standard  
1-1/8" (28.5mm) mortise cylinder with cam.  
Specify with or without strikes when ordering.

### The head design of 170/F170:

Provides a secure, quick and easy means of removal. The mullion can be installed and locked without using key.

**B**

## Model 270 / F270 Non-Keyed Removable Mullion

### Top and Bottom Fittings:

Investment cast steel, furnished with steel anchors for floors.

### Mullion:

2" x 3" (50.8mm x 76.2mm) steel.

### Stock size:

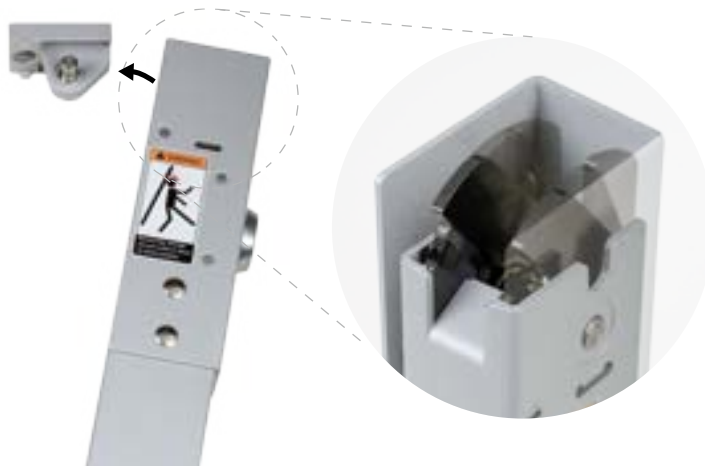
8' (2438mm) length standard, can be cut for opening less than 8' (2438mm).  
10' (3048mm) length available upon request.

### Finishes:

600, 689, 695.

### UL Listed:

Listed for 3-hour Fire Rated Exit Hardware.  
Specify with or without strikes when ordering.





**A**

**B**

# Miscellaneous



## Top Rod

Illustration	Device No.	Part No.	Rod Length	For Door Height
	1200 1500 (SVR/3PT)	616823-020	36-1/8" (916mm)	7'
		616823-030	48-1/8" (1221mm)	8'
		616823-030 Add 616823-040*	48-1/8" (1221mm) Add 24" (609mm)	10'
	1300 (CVR)	616823-070	37" (940mm)	7'
		616823-080	49" (1245mm)	8'
		616823-080 Add 616823-050*	49" (1245mm) Add 23-7/8" (605mm)	10'

\* Extension Rod

## Bottom Rod

For push bar location at 39-5/8" (1006mm) from finished floor.

Illustration	Device No.	Part No.	Rod Length
	1200 1500 (SVR/3PT)	616823-010	31-7/8" (807mm)
	1300 (CVR)	24682300910	34-9/32" (870mm)

# Miscellaneous



## Dummy Push Bar

### DP3 Active / DP4 Inactive

- The push bar is active or inactive. A push/pull operation can be accomplished by using an outside dummy trim.
- Size: 3' or 4' (914mm or 1219mm).
- Finishes: See page 15.

## Portable Displaymount

**Note:** Please contact factory for more details.



## Light Duty Option

### PD 420

- Size: 24" × 7-3/8" × 8" (600mm × 190mm × 205mm).
- Weight: 1.7 lb (0.8kg).



## Heavy Duty Option

### PD 620/640

- PD 620 for 1100/1105 Rim exit device.
- PD 640 for 1400 Mortise Lock Exit Devices.
- Size: 35-1/2" × 14" × 24-1/2" (900mm × 350mm × 620mm).
- Weight: 11 lb (5kg).

### PD 730/750

- PD 730 for 1200/1500 Surface Vertical Rods.
- PD 750 for 1300 Concealed Vertical Rods.
- Size: 35-1/2" × 14" × 28-3/4" (900mm × 350mm × 730mm).
- Weight: 13 lb (6kg).
- Note: Size and weight exclude device.





# Door Coordinators



Patent No. 9,476,240 B1

## Bar Coordinator

**CR-32 / CR-42 / CR-52 / CR-60 / CR-72**

Klacci's CR Series Bar Coordinators offer a simple yet effective way of regulating double door entries. These products guarantee a correct order of door closing and prevent that any entry that is not properly closed may cause a safety concern in case of emergency.

### Features

- The lever mechanism on the active door side holds the active door open until a trigger mechanism releases it when the passive door closes.
- An adjustable override mechanism allows the active door to close first in case that an excessive force is applied on it to protect the door as well as the coordinator from further damage.
- These units are compatible with flush bolts, door closers and other double door hardware for a more complete application.

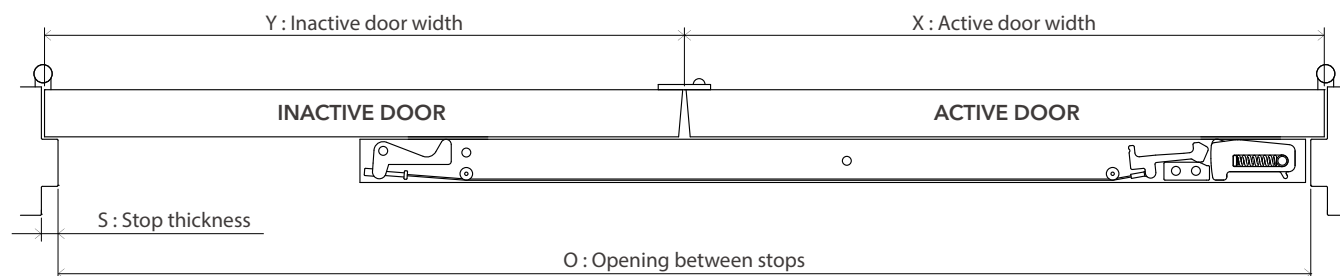
### Certification/Compliance

- Conforms to ANSI/BHMA A156.3-2014 Type 21A (Grade 1).
- UL/cUL Fire Rated for 3-Hour Fire Door Hardware, conforms to UL10C.

### Bar Coordinator Length

- The bar coordinator standard length should be equal to the active door's width (X) plus 1/2 the inactive door's width (Y).
- For cases where above condition cannot be met, the bar coordinator length must be at least 6" (152.4 mm) longer than the active door width (X).
- The bar coordinator length must not exceed the overall frame opening between stops (O).

**Note:** Standard stop thickness (S) is of 5/8" (15.9 mm).



Examples:

- Active door width (X): 42" (1066.8 mm)  
Inactive door width (Y): 42" (1066.8 mm)  
Recommended coordinator: CR-60
- Active door width (X): 36" (914.4 mm)  
Inactive door width (Y): 18" (457.2 mm)  
Recommended coordinator: CR-42

### Material

Aluminum

### Finishes

628 (US28) - Satin Aluminum, Clear Anodized  
707 (US3) - Bright Brass Anodized  
711 (US19) - Flat Black Anodized

### Size

Model	Length	Width	Height
CR-32	32" (812.8 mm)	1-5/8" (41.3 mm)	5/8" (15.9 mm)
CR-42	42" (1066.8 mm)	1-5/8" (41.3 mm)	5/8" (15.9 mm)
CR-52	52" (1320.8 mm)	1-5/8" (41.3 mm)	5/8" (15.9 mm)
CR-60	60" (1524.0 mm)	1-5/8" (41.3 mm)	5/8" (15.9 mm)
CR-72	72" (1828.8 mm)	1-5/8" (41.3 mm)	5/8" (15.9 mm)



## Cutout Type Ordering Information

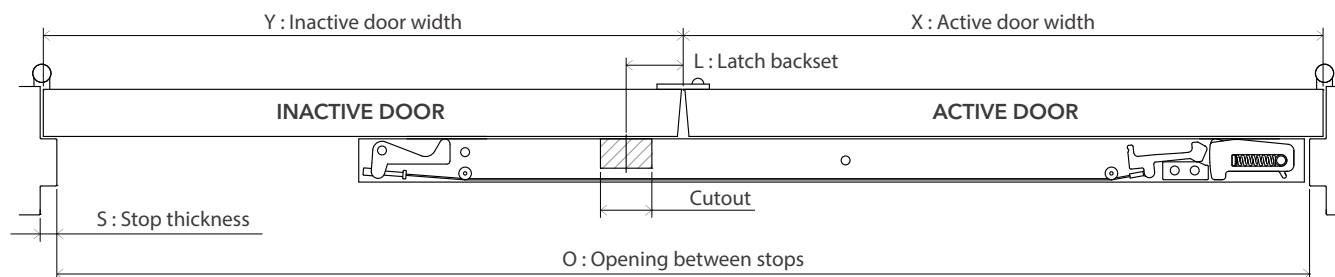
Bar coordinators may require an additional cutout in order to use with surface or concealed vertical rod exit devices. Please check the following chart for the type of cutout needed:

Cutout Type	Door Type	Exit Device Model	Latch Backset	Latch Type	Door application
A-Type	Metal Door	For Klaczi: 1300/F1300 F2300	2-3/4" (69.9 mm)	Plunger Release	Pair of 30" (762.0mm) Doors (For CR-42) Pair of 36" (914.4mm) Doors (For CR-52) Pair of 42" (1066.8mm) Doors (For CR-60) Pair of 48" (1219.2mm) Doors (For CR-72) Pair of 56" (1422.4mm) Doors (For CR-72) Pair of 60" (1524.0mm) Doors (For CR-72)
		For VON DUPRIN: 98/9947 98/9948-F 33/3547 33/3548-F			
B-Type	Wood Door	For Klaczi: 2300	1-5/16" (33.3 mm)	Plunger Release	
		For VON DUPRIN: 98/9947WDC 98/9947WDC-F 33/3547WDC 33/3547WDC-F			
C-Type	Metal Door	For VON DUPRIN: 8847-F 5547-F	2-3/8" (60.3 mm)	Plunger Release Bracket	

**Note:** No applicable cutout type for CR-32.

If the product model or door application is not listed on the chart or a different latch backset dimension is used, please provide the following information when ordering:

1. Exit device's product model and manufacturer's template.
2. Active door width (X)
3. Inactive door width (Y)
4. Latch backset (L)
5. Stop thickness (S) if other than 5/8" (15.9 mm)
6. Opening between stops (O)



## Filler Bar



### Ordering Information

The table on the right shows the standard matching between the bar coordinator and the filler bar.

If other lengths are required please specify before ordering.

Door Width	Bar Coordinator Model	Filler Bar Model
Pair of 24" (609.6mm) Doors	CR-32	FLB-20
Pair of 30" (762.0mm) Doors	CR-42	FLB-20
Pair of 36" (914.4mm) Doors	CR-52	FLB-20
Pair of 42" (1066.8mm) Doors	CR-60	FLB-32
Pair of 48" (1219.2mm) Doors	CR-72	FLB-32
Pair of 56" (1422.4mm) Doors	CR-72	FLB-48
Pair of 60" (1524.0mm) Doors	CR-72	FLB-48

### FLB-20 / FLB-32 / FLB-48

#### Features

The filler bar can be used to fill the gap between the end of the bar coordinator and the inactive door's stop for more pleasant aesthetics.

#### Material

Aluminum

#### Finishes

628 (US28) - Satin Aluminum, Clear Anodized

707 (US3) - Bright Brass Anodized

711 (US19) - Flat Black Anodized

#### Size

Model	Length	Width	Height
FLB-20	20" (508 mm)	1-5/8" (41.3 mm)	5/8" (15.9 mm)
FLB-32	32" (812.8 mm)	1-5/8" (41.3 mm)	5/8" (15.9 mm)
FLB-48	48" (1219.2 mm)	1-5/8" (41.3 mm)	5/8" (15.9 mm)

## Mounting Bracket



### MB-1F / MB-2F / MB-3F

#### Features

The mounting bracket can be installed along with fire-rated hardware, such as parallel arm closers and surface vertical rod exit devices, used for stop mounted hardware to be properly installed without damaging the bar coordinator.

**Note:** Stop mounted hardware will need to be lowered to compensate for the height of the Bar Coordinator and Mounting Brackets.

#### Material

Steel

#### Finishes

689 (US28) - Aluminum Painted

600 (USP) - Primed for Painting

#### Size

Model	Length	Width	Height
MB-1F	4" (101.6 mm)	3" (76.2 mm)	1-5/8" (41.3 mm)
MB-2F	4" (101.6 mm)	4" (101.6 mm)	1-5/8" (41.3 mm)
MB-3F	4" (101.6 mm)	3-1/2" (88.9 mm)	1" (25.4 mm)



# Gravity Coordinator



Patent No. 8,595,980 B1

## CR-07 / CR-09

### Features

- The gravity coordinator is applied on pair doors to allow the inactive door to close before the active door.
- Nylon and rubber rollers provide quiet and efficient operation and help protect the doors from damage.

### Certification/Compliance

- Conforms to ANSI/BHMA A156.3-2014 Type 21B (Grade 2).
- UL/cUL Fire Rated for 3-Hour Fire Door Hardware, conforms to UL10C.

### Material

Brass

### Finishes

626 (US26D) - Satin Chrome

613 (US10B) - Dark Oxidized Satin Bronze

### Size

Astragal Location	Without Carry Open Bar		With Carry Open Bar	
	CR-07	CR-09	CR-07	CR-09
<b>A</b> No Astragal	1'6" ~ 4'0"	2'6" ~ 4'0"	1'6" ~ 2'6"	2'6" ~ 4'0"
<b>B</b> Pull Side, Active Door (Standard)	(457.2 mm ~ 1219.2 mm)	(762 mm ~ 1219.2 mm)	(457.2 mm ~ 762 mm)	(762 mm ~ 1219.2 mm)
<b>C</b> Push Side, Inactive Door	1'6" ~ 3'4"	2'6" ~ 4'0"		
<b>D</b> B + C	(457.2 mm ~ 1016 mm )	(762 mm ~ 1219.2 mm)	N/A	N/A

**Note:** Astragal Overlap: 3/4" (19.1mm) - Standard.

Model	Projection
CR-07	7" (177.8 mm)
CR-09	9" (228.6 mm)

# Carry Open Bar



## COB

### Features

- When the inactive door is opened, the carry open bar provides the automatic opening of the active door as well.
- The carry open bar cannot be installed along with flush bolts.
- Door coordinator accessory for fire-rated application.

### Certification/Compliance

- Conforms to ANSI/BHMA A156.3-2014 Type 21 (Grade 1).

### Material

Stainless Steel

### Finishes

630 (US32D) - Satin Stainless Steel

613 (US10B) - Dark Oxidized Satin Bronze

# Electrical



## **ELR** (Electrical Dogging)

### Electric Latch Retraction

ELR provides the ability to remotely retract the latchbolt. Continuous duty solenoid can retract latchbolts under condition of unlatching or continually dogging. The ELR option can be applied with card readers, toggles or key switches, push buttons and fire alarm systems. PS100 power supply is required for the use of ELR option.

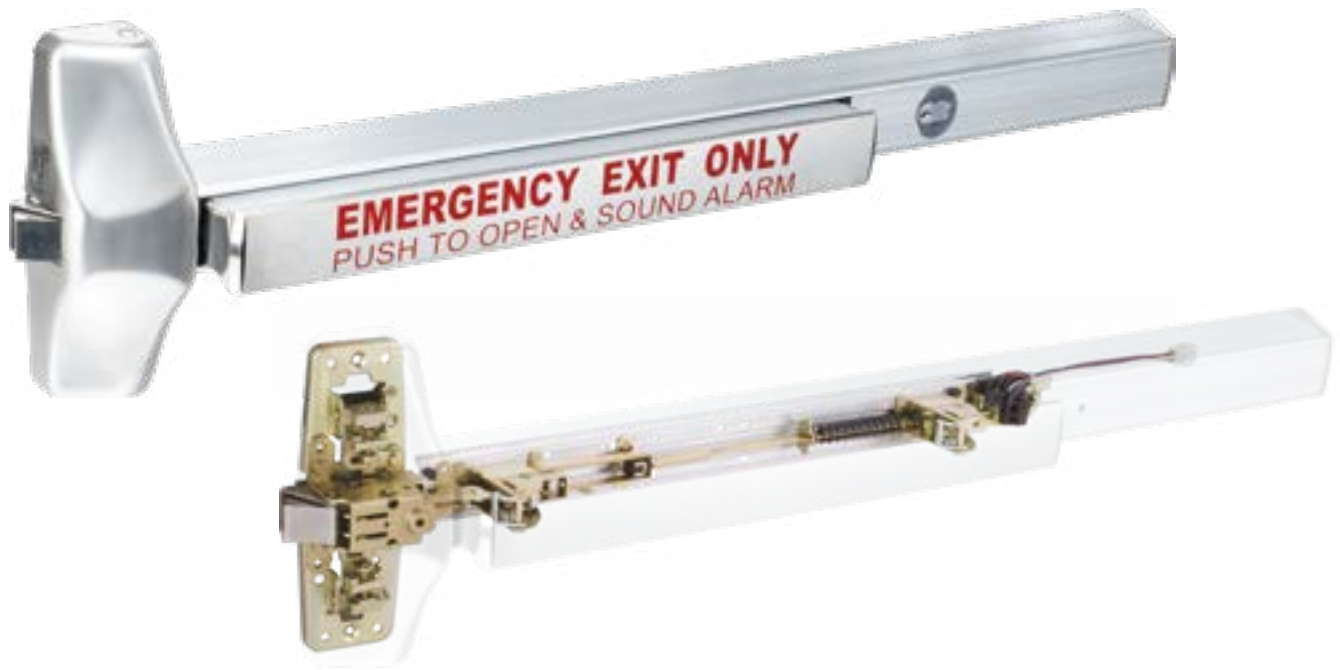
- UL/cUL Listed for Panic and Fire for Class 2 Circuitry.
- ELR is available with manual Flat/Hex Key for Panic Exit Devices.

#### **Solenoid Specifications:**

- Current Pulse (0.3 seconds): 24 VDC, 16 Amp.
- Continuous: 24 VDC, 0.25 Amp

#### **To order:**

Prefix ELR (e.g. ELR 1100).



**SS**

## Signal Switch

### **Micro-switch Detecting Push Bar**

Two internal switches are mounted into the device.

One switch is designed to monitor Push Bar assembly. When there is unauthorized use of the device, the alarm will sound once the switch has been activated.

The other switch is to connect with the 1-1/4" (31.75mm) Mortise Cylinder with straight cam when alarm has been triggered. A power supply must be set from the frame to the door.

### **Electrical Ratings:**

24 VDC, 2 Amp SPDT.

SPDT (Single Pole, Double Throw).

### **To order:**

Prefix SS (e.g. SS 1100).

\*Specify handing and finish.

# Electrical



## AL

### Alarm Exit

The alarm exit provides a simple way to audibly monitor the use of an exit device. The unit contains an alarm which is activated when the push bar is depressed. The alarm sounds at 85 db. The unit operates on one standard 9-volt alkaline battery. When the battery is weak, the horn will emit an intermittent low battery alert signal. Can also be powered using the PS100 Series Power Supply.

The AL requires a standard 1-1/4" (31.75mm) mortise cylinder which is used as a key switch to perform the following functions:

- Silence the alarm after activation.
- Deactivate the alarm for continuous unmonitored egress.

**Available for all 1000 Series devices from 3'0" to 4'0" wide doors, decal for application on door:**

**EMERGENCY EXIT ONLY**  
**PUSH TO OPEN ALARM WILL SOUND**

The AL is available with 2 optional circuit boards:

- External Inhibit (EI) allows the use of external switch to be used to arm, disarm and reset the alarm.
- Auto Reset (AR) rearms the alarm after a preset time. AR default setting time is 5 minutes, and can be manually switched to 1-1/2 or 3 minutes.

**To order:**

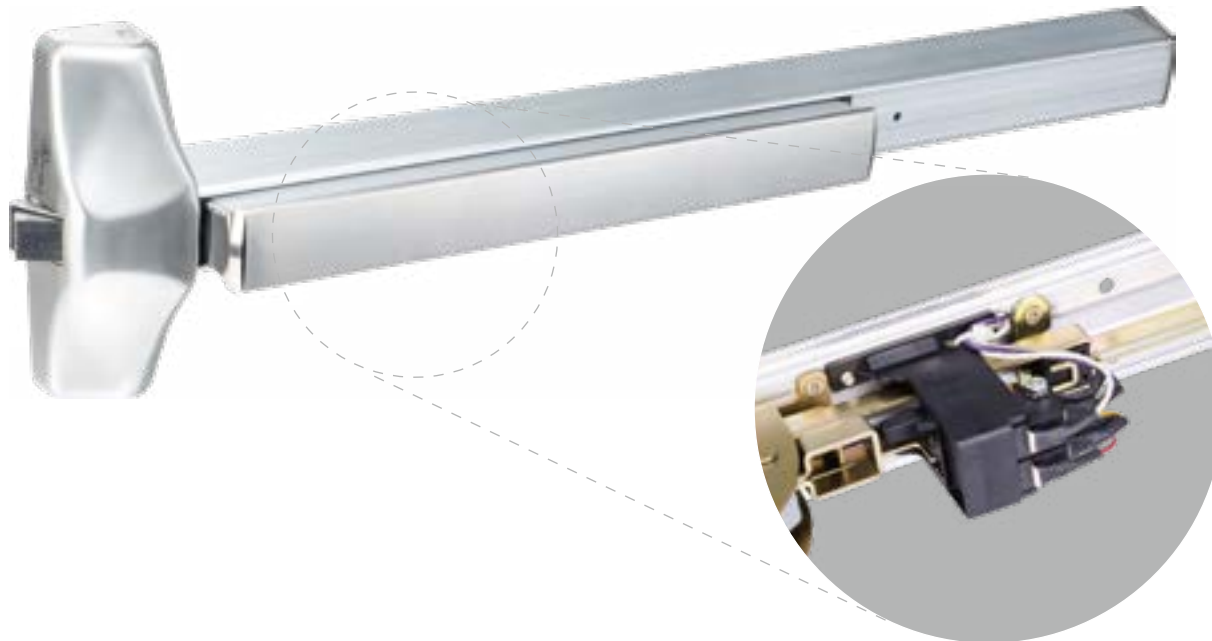
Prefix AL (e.g. AL 1100).

The alarm exit is available in kits for retrofit on existing Klaccki devices. Specify finish when ordering.

**To order:**

E.g.: ALK Kit.

Alarm kits are available with a choice of two switch kits, RX or LM. RX monitors the push bar and is furnished standard.



## RX

### Request to Exit

#### Micro-switch Detecting Push Bar

The RX feature is used to signal the use of an opening. This device is equipped with one internal SPDT switch which monitors the push bar. The device can be connected to a security console, or may be used as a single door alarm when used with a horn and power supply.

#### Electrical Ratings:

Switch rate: 24 VDC, 3 Amp SPDT.  
SPDT (Single Pole, Double Throw).

#### To order:

Prefix RX (e.g. RX 1100).

## LM

### Latchbolt Monitoring

#### Micro-switch Detecting Latchbolt

The LM feature is used to signal the use of an opening. This device is equipped with one internal SPDT switch which monitors the latchbolt. The device can be connected to a security console, or may be used as a single door alarm when used with a horn and power supply.

#### Electrical Ratings:

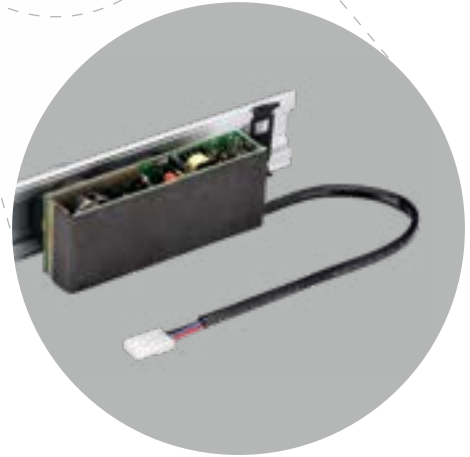
Switch rate: 24 VDC, 3 Amp SPDT.  
SPDT (Single Pole, Double Throw).

#### To order:

Prefix LM (e.g. LM 1100).



# Electrical



## DE

### Delayed Egress Device

The Delayed Egress Exit Device provides a controlled egress for openings which require panic or fire exit hardware for safe egress. It is a self contained exit device, when armed it will deny exit to unauthorized personnel for 15 or 30 seconds, while simultaneously sounding a local or remote audible alarm. The Remote Monitoring feature will alert the security personnel that an attempt is being made to exit the opening. After the 15 (or 30) second delay of egress period, the device will function as a standard exit device for safe egress.

#### Operation:

The device secures the door in the locked mode with a red LED indicating locked status. Depressing the Push bar by accident or for less than the nuisance delay time will sound the alarm without initiating the alarm sequence. Depressing the Push bar with less than 15 pounds pressure, for longer than the nuisance delay time will initiate an irreversible local audible beeping tone and a visual Red indicator until the device releases. After the delay egress time, the lock releases and the alarm changes to a steady tone which continues to alarm until reset. The remote monitoring contact output can be used to alert security personnel.

**The Delayed Egress device includes decal for application on door:**

**PUSH UNTIL ALARM SOUNDS  
DOOR CAN BE OPENED  
IN 15 SECONDS**

#### Note:

A "30 Seconds" decal is provided when the 30-second delay option is specified.

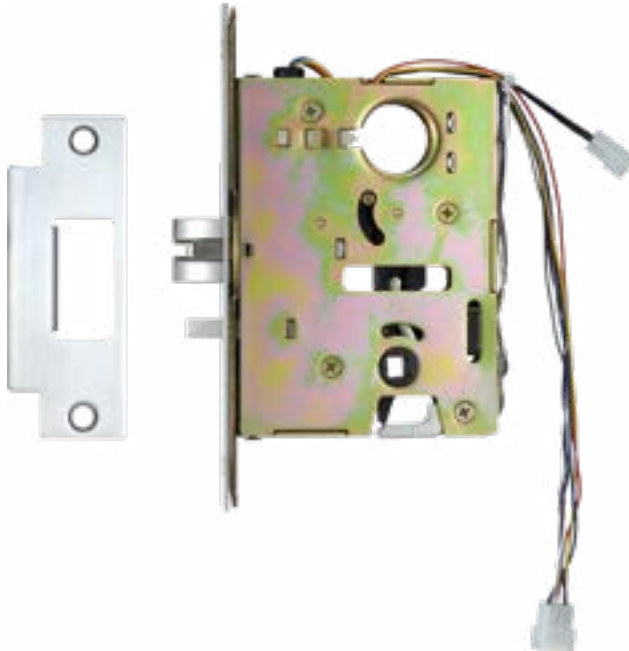
#### Solenoid Specifications:

- Current Pulse (0.3 seconds): 24 VDC, 16 Amp.
- Continuous: 24 VDC, 0.37 Amp  
Requires PS100 Power Supply.

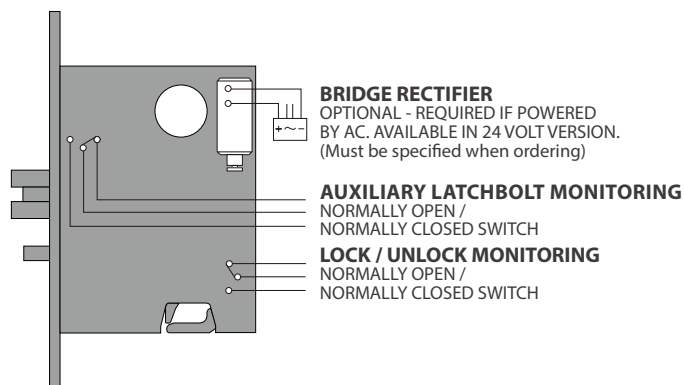
#### To order:

Prefix DE (e.g. DE 1100).

# Electric Mortise Lock



## Wiring Diagram



### E Mortise Function

The Electric Mortise Exit Devices (E1400) can control entry to remote locking and unlocking the outside trim or an automatic fire alarm system.

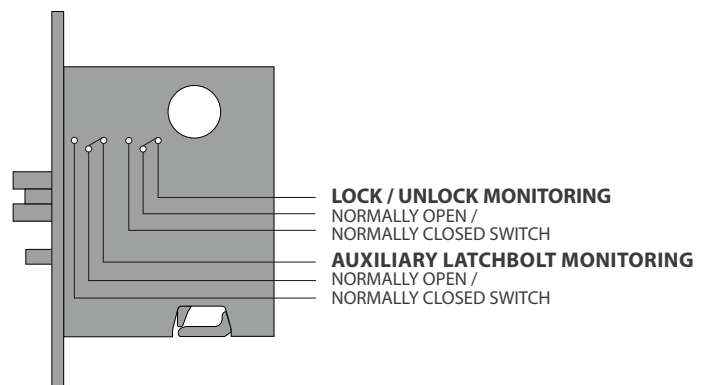
The remote has two main functions:

1. To monitor the lock or unlock status through SPDT signal.
2. To monitor the auxiliary latchbolt status through SPDT signal.

The outside trim cylinder can retract the latchbolt as a night latch function.

**The Electric Mortise Exit Device is available with the following electrical options:**

- E1400 - Electric lock/unlock with switches to monitor the outside trim (locked or unlocked) and to monitor the latchbolt.
- SS1400 - Latchbolt and trim locked or unlocked monitoring.



### SS Mortise Function

#### Mortise case Only:

E7000 - Mortise case for E1400 model.

SS7000 - Mortise case for SS1400 model.

#### Electrical Ratings:

Mortise Lock is furnished standard as Fail Secure (FSE). When power is off the trim is locked. Power is applied to unlock the trim. May be field converted to a Fail Safe (FS) mode. (FS) - power is applied to lock the trim.

- Solenoid current: 24 VDC, 0.25 Amp.  
12 VDC, 0.5 Amp.
- Switch rate: 24 VDC, 2 Amp SPDT.  
SPDT (Single Pole, Double Throw).

#### To order:

Prefix SS or E and Suffix FSE or FS (e.g. E 1400FSE).

# Electrical



## E300 Series

### Electric Trim

Electrified trim with integrated lock/unlock option. Trim can be used for all 1000 Series models. Available as fail-secure or fail-safe. Specify suffix FSE (Fail-Secure) or FS (Fail-Safe) following trim designation.





**Electrical Ratings:**

Solenoid current: 24 VDC, 0.25 Amp.  
12 VDC, 0.5 Amp.

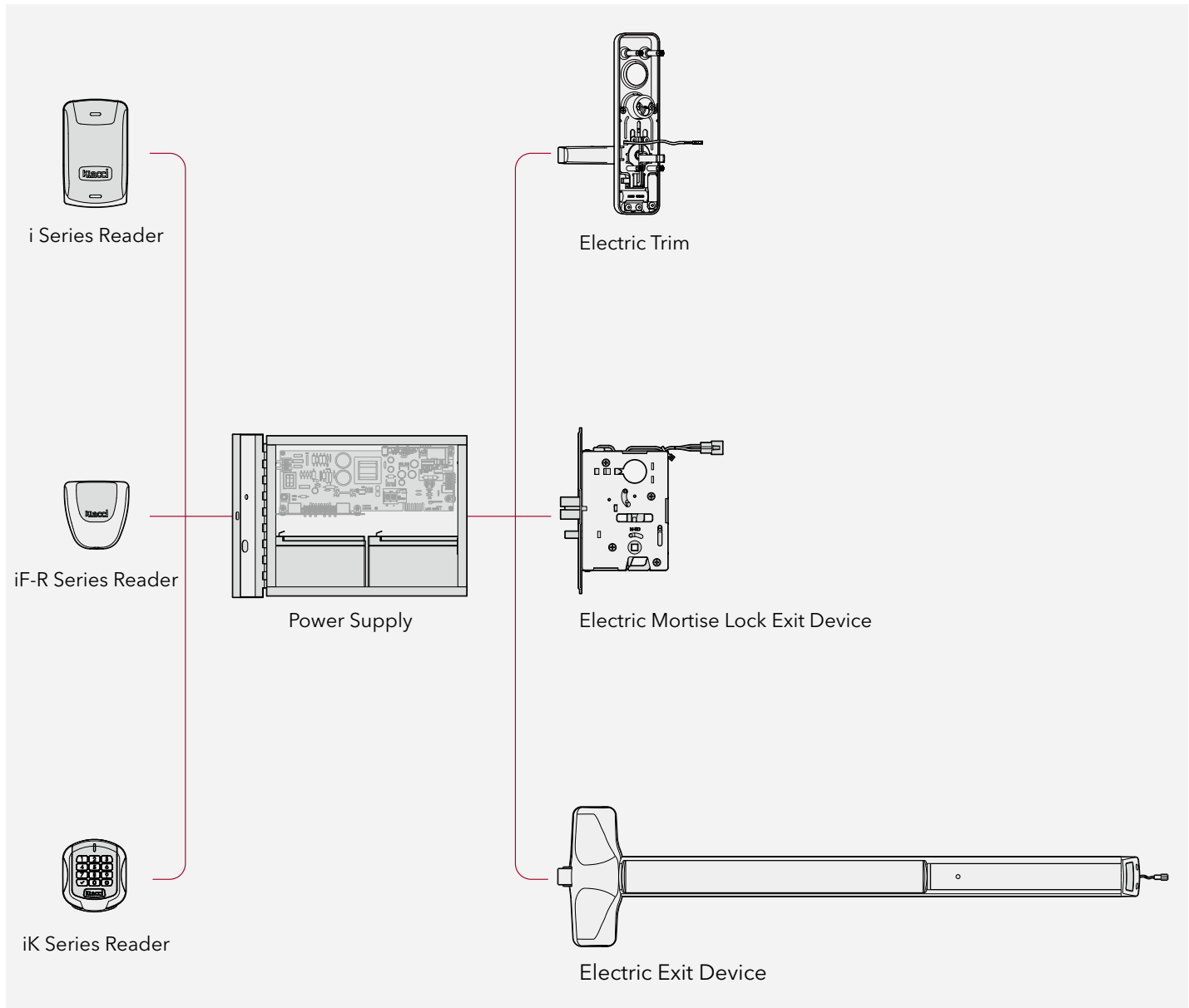
**To order:**

Prefix E and Suffix FSE or FS.  
E309RFSE: RIM, SVR, CVR, 3PT Exit Devices.  
E309MFSE: Mortise Exit Device.

### Electrical Trim - E300 Series

								
Operation	Electrified trim with integrated lock/unlock option (Night Latch Key Retracts Latchbolt)				Electrified trim with integrated lock/unlock option (no Cylinder)			
Trim No.	E309R		E309M		E314R		E314M	
Device No.	1100/1105				1100/1105			
	1200				1200			
	1300				1300			
			1400				1400	
	1500				1500			
Cylinder Type	RIM		Mortise					

## The Electrical Layout With Smart Readers



Smart readers connecting to the PS100 power supply control lock or unlock of the electrified devices, trims or lock cases. There is much more you can do with authorizing users, audit trail and else other than securing an access.

Besides the basic wiring among the readers, the devices and the power supply, there is no need for additional complex wiring or costly management software to experience the advantages of smart electrified access control.

# Power Supply



## PS100

The PS100 Power Supply is applicable for wide range of electrical products. It has an option to provide key to lock the enclosure. Battery backup has two hours backup power at full load during an A.C. power failure. Batteries will automatically recharge when failed power is restored. Fire alarm provides input for a normally closed fire alarm contact. When the fire alarm contact is "open", power to locks or other component is removed. Restoring power is field selectable for automatic or manual.

### Certification

UL/cUL listed as a power supply unit class 2, UL294, UL1034 and ULC-S318 requirements.

### Specifications

- UL/cUL listed for Class 2 output.
- LED indicators for AC input, DC output and battery backup status.
- The power supply can control up to (4) delayed egress exit devices.
- Circuit breakers provide protection for motherboard.
- Standard input options:
  - 120 VAC, 1.0 Amp or
  - 240 VAC, 0.5 Amp.
- Output power:
  - 24 VDC, 2 Amp or
  - 12 VDC, 2 Amp.

### Power supply box:

10" high × 12-1/2" wide × 5" deep (254mm × 318mm × 127mm), gray with a hinged cover and constructed of heavy 20 gauge steel.

### 3 options:

- (1) Key lock.
- (2) Fire alarm.
- (3) Battery backup (2 hrs.) during AC power failure.

### To order:

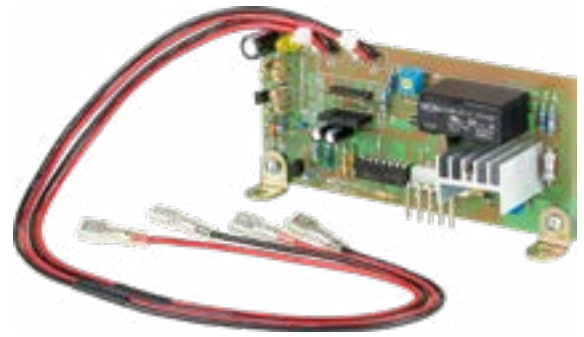
The power supply model is determined on the number of devices requiring electrical power:

PS101	Voltage 120 VAC
PS102	Voltage 240 VAC
PS101K	Voltage 120 VAC with Key lock
PS102K	Voltage 240 VAC with Key lock
PS101 - 2	Two (2) Zone Controller Board
PS101 - 4	Two (2) Zone Controller Board x 2
PS101 - FA	Fire Alarm
PS101 - BB	Battery Backup





100-2 Two (2) Zone Controller Board



100-FA Fire Alarm



100-BB Battery Backup

## Optional Circuit Cards

The PS100 Series is available with several optional circuit cards to provide system flexibility. The power supply will accept one or a combination of any two cards.

### Maximum wire run:

- 75 ft. with 14 gauge wire and 28 gauge power transfer.
- 100 ft. with 14 gauge wire and 24 gauge power transfer.
- 200 ft. with 12 gauge wire and 24 gauge power transfer.

### To order:

100 - 2	Two (2) Zone Controller Board
100 - K	Key lock
100 - 101	120 VAC Power Supply Board
100 - 102	240 VAC Power Supply Board
100 - FA	Fire Alarm
100 - BB	Battery Backup
100 - AC*	Access Control
100 - AL*	Alarm
100 - AO*	Auto Operator
100 - SI*	Security Interlock
100 - 4TD*	Four (4) Zone Controller with Time Delay

\*Unavailable until further notice.

## Power Transfer - EPT

EPT-1 power transfer with steel housing and flexible tube. Secure and inconspicuous channel to bring power from the frame to the door. Narrow, shallow channel easily mortises into door edges. Accepts up to 3/8" (9.5mm) diameter wire bundle. Accommodates doors that swing open 120 degrees. Unit is concealed when the door is closed. Suitable for wood, aluminum or steel door applications.

EPT-2 Armored flex conduit. Accepts up to 1/4" (6.4mm) diameter wire bundle.

### To order:

Specify EPT-1.  
Specify EPT-2.



EPT-1



EPT-2

# Fire Door Applications and Listings

## F1000 Series Fire Exit Devices Maximum Door Opening Applications and Listings

Exit Device	Door Material	Single Door	Double Door		VR/VR Same Direction	VR/Mortise Same Direction	VR/VR Double Egress
			With 170 mullion	With 270 mullion			
F1100 F1105 RIM	Metal	3 Hours 4' x 8'	3 Hours 8' x 8'	3 Hours 8' x 8'			
F1200 SVR	Metal	3 Hours 4' x 10'			3 Hours 8' x 10'	3 Hours 8' x 10'	3 Hours 8' x 10'
F1200 LBR	Metal	3 Hours 4' x 10'			3 Hours 8' x 10'		3 Hours 8' x 10'
F1300 CVR	Metal	3 Hours 4' x 10'			3 Hours 8' x 10'	3 Hours 8' x 10'	3 Hours 8' x 10'
F1300 LBR	Metal	3 Hours 4' x 10'			3 Hours 8' x 10'		3 Hours 8' x 10'
F1400 MORTISE	Metal	3 Hours 4' x 10'				3 Hours 8' x 10'	
F1500 3PT	Metal	3 Hours 4' x 8'	3 Hours 8' x 8'	3 Hours 8' x 8'			

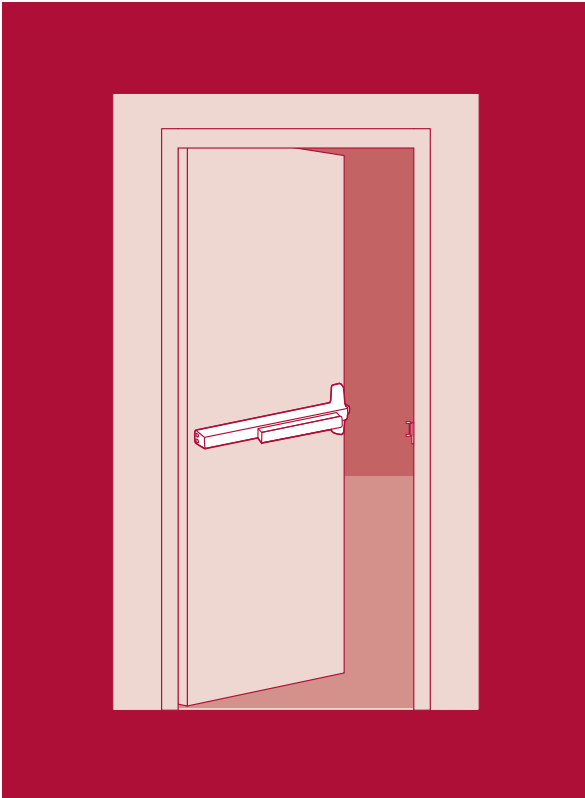
Metric conversion: 4' (1219mm), 8' (2438mm), 10' (3048mm).

### Notes:

1. Fire exit device conforms to UL10C and UBC7-2.
2. Fire exit device is applicable for wood door with 1-1/2-hour or 1/3-hour fire rating.
3. Consult with door manufacturer for specific limitations on fire door assemblies.



# Typical Installation



## Single Door

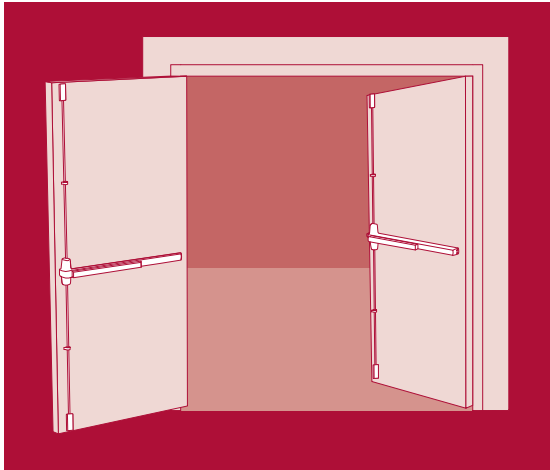
### Rim Exit Device / Vertical Rod Exit Devices

<b>Panic</b>	RIM	1100	Up to 4' x 10' Door Size
		1105	
	SVR	1200	
	CVR	1300	
	3PT	1500	
<b>Fire (3 Hours)</b>	RIM	F1100	Up to 4' x 8' Door Size
		F1105	
	SVR	F1200	Up to 4' x 10' Door Size
	CVR	F1300	
	3PT	F1500	Up to 4' x 8' Door Size

### Mortise Lock Exit Devices

<b>Panic</b>	Mortise	1400	Up to 4' x 10' Door Size
<b>Fire (3 Hours)</b>	Mortise	F1400	

# Typical Installation



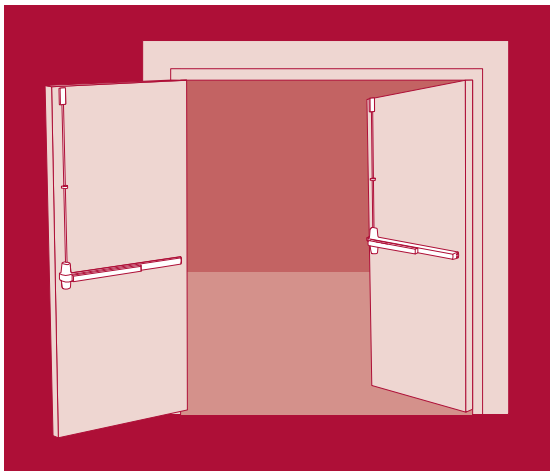
## Double Egress Opening

### Two Surface Vertical Rod Devices

<b>Panic</b>	SVR × SVR	1200 × 1200	Up to 8' × 10' Door Size
<b>Fire (3 Hours)</b>	SVR × SVR	F1200 × F1200	

### Two Concealed Vertical Rod Devices

<b>Panic</b>	CVR × CVR	1300 × 1300	Up to 8' × 10' Door Size
<b>Fire (3 Hours)</b>	CVR × CVR	F1300 × F1300	



## Double Egress Opening Less Bottom Rod

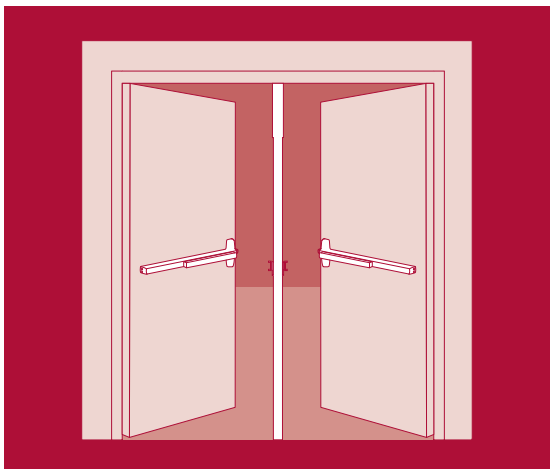
### Two Surface Vertical Rod Devices Less Bottom Rod

<b>Panic</b>	SVR × SVR	1200LBR × 1200LBR	Up to 8' × 10' Door Size
<b>Fire (3 Hours)</b>	SVR × SVR	F1200LBR × F1200LBR	

### Two Concealed Vertical Rod Devices Less Bottom Rod

<b>Panic</b>	CVR × CVR	1300LBR × 1300LBR	Up to 8' × 10' Door Size
<b>Fire (3 Hours)</b>	CVR × CVR	F1300LBR × F1300LBR	

**Note:** Fire Rated Door with Auxiliary Fire Bolt.



## Two Rim Exit Devices with Removable Mullion, Same Direction

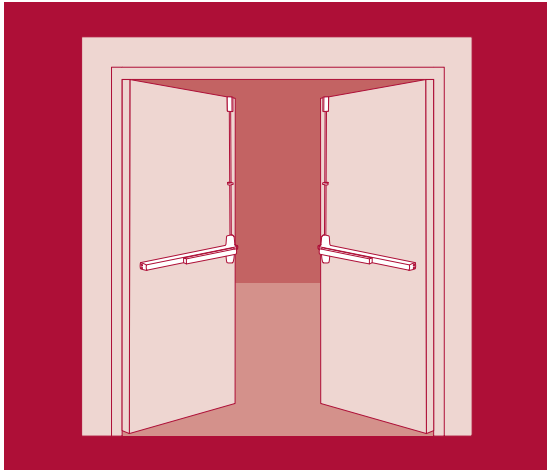
### Two Rim Exit Devices with Removable Mullion

<b>Panic</b>	RIM × RIM	1100 × 1100	Up to 8' × 10' Door Size
<b>Fire (3 Hours)</b>	RIM × RIM	F1100 × F1100 F1105 × F1105	Up to 8' × 8' Door Size'

### Two Three-Point Latching Devices with Removable Mullion

<b>Panic</b>	3PT × 3PT	1500 × 1500	Up to 8' × 10' Door Size
<b>Fire (3 Hours)</b>	3PT × 3PT	F1500 × F1500	Up to 8' × 8' Door Size'

**Note:** With 170 Keyed / 270 Non-Keyed Removable Mullion.



## Two Vertical Rod Devices, Same Direction Less Bottom Rod (Do not use overlapping astragal)

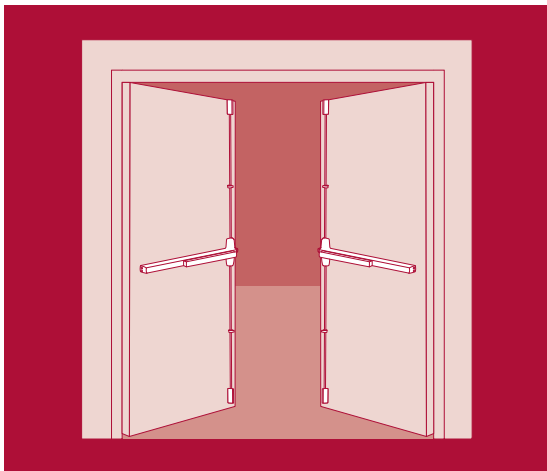
### Surface Vertical Rod Devices Less Bottom Rod

<b>Panic</b>	SVR × SVR	1200LBR × 1200LBR	Up to 8' × 10' Door Size
<b>Fire (3 Hours)</b>	SVR × SVR	F1200LBR × F1200LBR	

### Concealed Vertical Rod Devices Less Bottom Rod

<b>Panic</b>	CVR × CVR	1300LBR × 1300LBR	Up to 8' × 10' Door Size
<b>Fire (3 Hours)</b>	CVR × CVR	F1300LBR × F1300LBR	

**Note:** Fire Rated Door with Auxiliary Fire Bolt.



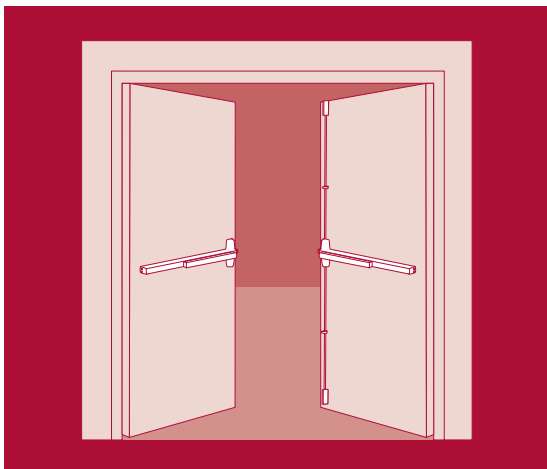
## Two Vertical Rod Devices, Same Direction (Do not use overlapping astragal)

### Two Surface Vertical Rod Devices

<b>Panic</b>	SVR × SVR	1200 × 1200	Up to 8' × 10' Door Size
<b>Fire (3 Hours)</b>	SVR × SVR	F1200 × F1200	

### Two Concealed Vertical Rod Devices

<b>Panic</b>	CVR × CVR	1300 × 1300	Up to 8' × 10' Door Size
<b>Fire (3 Hours)</b>	CVR × CVR	F1300 × F1300	



## Vertical Rod Devices/ RIM Exit Devices, Same Direction

### One Rim Exit Device × One Vertical Rod Device

<b>Panic</b>	RIM × SVR	1100 × 1200	Up to 8' × 10' Door Size
		1105 × 1200	
	RIM × CVR	1100 × 1300	
		1105 × 1300	
<b>Fire (3 Hours)</b>	RIM × SVR	F1100 × F1200	
		F1105 × F1200	
	RIM × CVR	F1100 × F1300	
		F1105 × F1300	

### One Mortise Lock Exit Device × One Vertical Rod Device

<b>Panic</b>	Mortise × SVR	1400 × 1200	Up to 8' × 10' Door Size
	Mortise × CVR	1400 × 1300	
<b>Fire (3 Hours)</b>	Mortise × SVR	F1400 × F1200	
	Mortise × CVR	F1400 × F1300	



# Introduction

## Comfortable in the knowledge that you have created a safer environment

Klacci, a registered brand of I-TEK Company, provides home and business owners with second to none lock products. As part of the world-renowned I-TEK Company, Klacci offers an extensive selection of mechanical, electrical and biometric locks that truly reflect the needs of modern lifestyle. Spanning both commercial and residential markets, Klacci's drive for design excellence and innovation is only matched by I-TEK's undeniable manufacturing quality which spans more than 5 decades.

## Outreaching the most demanding requirements

Benefits from I-TEK's manufacturing expertise and experience, Klacci is one of the most prestigious brands in Grade 1 and Grade 2 locks that delivers integrated security solutions worldwide. This status is a major factor in Klacci's ability to provide wide range of products in variety of styles, finishes with choice of functions and applications to meet and outreach the most demanding requirements. You can therefore feel secure in knowing that you have the right product to meet any of your security or decorative needs.

## Protecting your assets

Klacci takes a proactive approach to addressing commercial and residential security needs. With this in mind, Klacci has developed superior security products that will safeguard your family, home and business, hampering attacks by crowbars, lock-picking and kick-ins. Klacci products are being seen at high-end commercial buildings including government institutions, military bases, schools, airports and various kind of public buildings, where the most sense of security or design are needed.

## The brand, the promise

"Once you have installed Klacci security products, you know that your business is secure, you will begin to feel at ease and put your worries aside - comfortable in the knowledge that you have created a safer environment at work". Behind the Klacci brand there is a great production team that designs, develops and manufactures locking systems and security devices with a quality of product second to none. This manufacturing excellence comes from more than 50 years of experience as one of Taiwan's largest and most prestigious lock manufacturers.

## Klacci, leading the industry into the future

At present, Klacci is one of the few professional lock suppliers in Asia that can produce ANSI/BHMA Grade 1 & Grade 2 door locks that exports worldwide. Our products are extensively used in high-end commercial buildings that include government institutions, buildings in school districts and military bases, international airports, and various kinds of public buildings. The core values of Klacci are professional enhancement of its employees, continual improvement of its procedures, and product innovation that caters to customer needs and wants pertaining to Klacci products and services.



# Introduction

## Inspired innovations-customer solutions

We uphold our belief in innovation by continually revamping our products. In recent years, as part of efforts to satisfy different market demands from customers worldwide, Klacci has creatively integrated and inspired innovations so as to provide effective solutions to its customers. This has helped us hold hundreds of international and national patents. We keep asking ourselves about what we can do to cater to customer concerns. What other better products and services can we provide? Our engineers effectively manage task efficiency through software such as QCD and PROJECT, as well as enhancing the efficiency of new projects through TRIZ and QFD. In addition to developing the capabilities required for innovation, Klacci has redefined itself as an ODM from its traditional role as an OEM; through this shift, it aims to guarantee customer satisfaction to a greater degree. Furthermore, by providing advanced IT support in both hardware and software through design, PRO/E 3D drawing, simulation, prototyping, and testing, we can instantly meet our customers' requests. Our excellent product design capability has gained us our customers' trust and confidence for many years.

## Changing with times

With the increase in product lines and material parts, Klacci has established itself as a leader in terms of ERP through which all data and resources are integrated into Klacci's unified database. Database integration helps us achieve rapid production and on-time delivery and ensures that we do not merely meet customer expectations but surpass them. Developing systematic plans to maintain a wide range of automatic machinery can help us accomplish the goal of zero breakdown management. Thus, we are able to effectively fulfill our customers' requirements.

## What does KLACCI believe in?

Innovation, quality, security, sharing and speed are the major operational beliefs that Klacci adheres to. Klacci's operational business strategies revolve around procedure management and executive ability. Our vision is to become a total solutions provider that offers a complete range of products and services in accordance with customer demands in the commercial lock industry. With the impact of globalization, we are actively involved in innovation and change in order to continue competing in the architectural hardware industry until we achieve the highest level of quality. With the expansion of its plant, Klacci is ready to step into a new market era.















Transfer to International    
Transfer to A Area Boarding Gates  



100

1000 Series Exit Devices and Trims are produced by I-TEK Company in Taiwan under ISO 9001 quality management, which is system certified by Underwriter Laboratory. I-TEK's test facility complies with ISO17025 and it is certified by Intertek under a continuous re-inspection program.



# How to Order

**Unless specified, 1000 Series Exit Device and Trim can be ordered as indicated below:**

**Device Only:** Device No. × Finish; Example: 1100 × 626 (panic device)  
F1200 × 630 (fire rated device)

**Trim Only:** Trim No. × Finish; Example: 308R × 626

**Device and Trim:** Device No. × Finish + Trim No. × Finish; Example: 1400 × 626 + 230M × 630

**For smooth surface case:** Change the last two digits in series number to "10"; Example: 1110, F1210, etc.

**Optional Items:** As sequenced below.

Device

Ordering Example

ELR1500LDLBR626307AAF

LHR+ C308RD

Prefix for Electric Options

AL

Alarm Exit

DE

Delayed Egress Device

E

Electric Mortise Lock

ELR

Electric Latch Retraction

LM

Latchbolt Monitoring

RX

Request to Exit

SS

Signal Switch

Blank

For Regular (Non-electric) Device

Device Number and Rating

Panic

1100 RIM

1105 RIM

1200 SVR

1300 CVR

1400 MORTISE

1500 3PT

Fire

F1100 RIM

F1105 RIM

F1200 SVR

F1300 CVR

F1400 MORTISE

F1500 3PT

Dogging (see page 36)

CD

Cylinder Dogging

ED

Electric Dogging (ELR)

LD

Less dogging

Blank

Flat/Hex Key Dogging

Bottom Rod and Latch Options

LBR

Less Bottom Rod

Finish (see page 15)

605 (US3)

611 (US9)

613 (US10B)

626 (US26D)

606 (US4)

612 (US10)

625 (US26)

630 (US32D)

Device and Door Size

307

3' device for 2'4"~3'x7' (standard)

407

4' device for 2'10"~4'x7'

308

3' device for 2'4"~3'x8'

408

4' device for 2'10"~4'x8'

310

3' device for 2'4"~3'x10'

410

4' device for 2'10"~4'x10'

Strike Options (see page 31)

A

106 RIM Strike

C

136 RIM Pair Door Strike

F

224 VR Bottom Strike

R

106Z RIM Strike

E

216 CVR Top Strike

K

306 Mortise Strike

B

108 RIM Strike

J

227/227F VR Bottom Strike

L

336 Mortise Strike

Handing for Double Cylinder Device (see page 33)

LHR

Left Hand Reverse Bevel

RHR

Right Hand Reverse Bevel

Blank

For Regular Device

Other Miscellaneous Door Information

SMDF

Single Hollow Metal Door and Frame

PMDF

Pair Hollow Metal Door and Frame

SWDF

Single Wood Door and Frame

PWDF

Pair Wood Door and Frame

SWMF

Single Wood Door and Hollow Metal Frame

PWMF

Pair Wood Door and Hollow Metal Frame

Trim

Trim Operation Options (see page 21)

Prefix C

for clutch option

Blank

for standard operation

Trim Options (see page 21)

200 Series

201 , 202 , 203R , 203M , 205R , 205M , 215R , 215M

300 Series

302 , 308R , C308R , 308M , C308M , 309R , 309M , 314R , 314M

600 Series

602 , 608R , 608M , 609M , 614R , 614M

Lever / Grip Options (see page 21)

Lever

D (standard), Q, A, K

Knob

B (standard), P, T

Grip

GD (standard), GK

## Warranty

Klacci ("Company") warrants to the original purchaser ("Purchaser") that the products manufactured and provided under the Klacci® brand shall be free of defects in material and workmanship under normal use and service as follows: (a) mechanical locks for 5 years; (b) electrified products for 1 year, and (c) finishes for 1 year. The Purchaser shall be obligated to store, transport, install, maintain and operate the products in accordance with good practice and reasonable maintenance works, and has followed specific instructions from the Company. Furthermore, the cost incurred in removing and installing a replacement product is not included in the warranty. Upon return of a defective product, Klacci may repair or replace the product.

The present warranty does not cover:

1. Scratches, abrasions, deterioration due to the use of paints, solvents and other chemicals.
2. Normal wear and tear.
3. Lack of proper maintenance.
4. Abuse or any damage caused by improper installation, sabotage or misuse of the product.
5. Improper storage, shipping and handling.
6. Failure to follow instructions or guidelines provided by the Company.

Klacci makes no representations or warranties concerning any modification or installation along with other brand products that can potentially impact its intended operation or cause malfunction. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please follow its installation instructions accordingly or consult with a code specialist or local code official (authority having jurisdiction) to ensure compliance with all applicable codes and ratings.

Note:

- The warranty becomes effective from the date of shipment.

Contents in this catalog are for reference and illustration only. Shipments subject to actual productions. Please consult factory for final discretion.

These products and systems are under patent protection, counterfeiting not allowed.



**klacci**<sup>®</sup>  
life unlocked.



[www.klacci.com](http://www.klacci.com)

18 Gungye 3rd Road, Annan, Tainan 709, Taiwan.

**T** 886 6 3840722

**F** 886 6 3840715

**E** [sd.klacci@gmail.com](mailto:sd.klacci@gmail.com)

[sd@klacci.com](mailto:sd@klacci.com)

[sd@iteklock.com.tw](mailto:sd@iteklock.com.tw)

