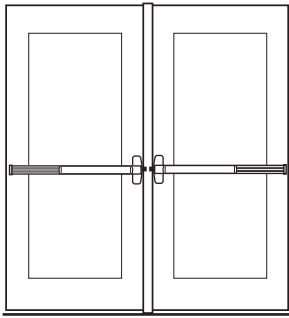
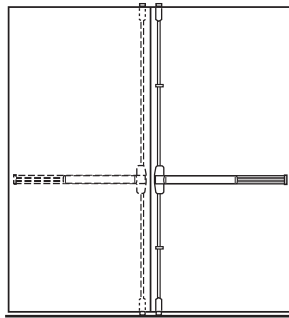


# Popular double door applications

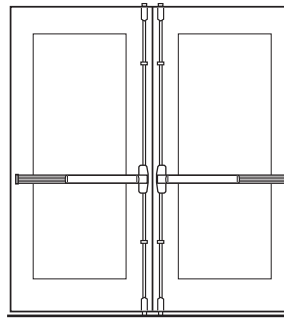
## Double door applications



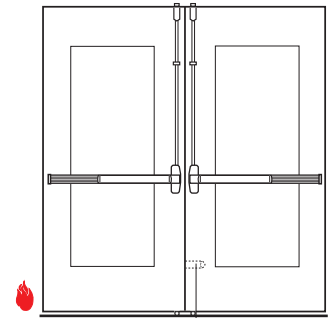
Two rim devices with mullion—same direction, panic or fire device



Two vertical rods—double egress, panic or fire device (LBR-F device can be used on double-egress)

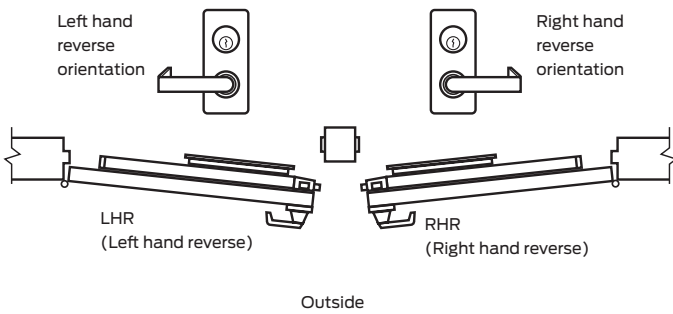


Two surface mounted vertical rod devices—same direction (do not use with overlapping astragal)



Two FEH vertical rods with auxiliary fire pin-LBR option (Don't use overlapping astragal on pair swinging same direction)

## Door handing



# Outside trim operation

## Standard trim

### Features

- Bi directional lever rotation
- Field reversible handing

## Lever trim operation







**Standard operation**  
Key locks and unlocks lever.


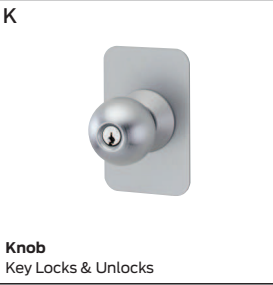
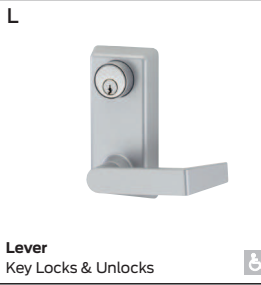


**Blank escutcheon**  
Lever always active. BE suffix, e.g., 230L-BE.

Standard trim

	EO	DT	NL	NL-OP
				
<b>Product description</b>	22EO	22DT	22NL	22NL-OP
<b>Trim description</b>	—	210DT*	210NL*	110NL-MD* 110NL-WD*
<b>Escutcheon plate size</b>	—	5 <sup>3</sup> / <sub>8</sub> " x 4 <sup>25</sup> / <sub>32</sub> " x 3 <sup>3</sup> / <sub>32</sub> " (137 x 121 x 2 mm)	5 <sup>3</sup> / <sub>8</sub> " x 4 <sup>25</sup> / <sub>32</sub> " x 3 <sup>3</sup> / <sub>32</sub> " (137 x 121 x 2 mm)	—
<b>Pull center to center</b>	—	—	—	—
<b>Projection</b>	—	1 <sup>31</sup> / <sub>32</sub> " (42 mm)	1 <sup>31</sup> / <sub>32</sub> " (42 mm)	—
<b>ANSI function</b>	01	02	03	03
<b>Cylinder type</b>	—	—	Rim	Rim
<b>Handing</b>	—	—	—	—
<b>Optional trim</b>	230EO	230DT	230NL	—
<b>Optional #425 sex bolt quantity for device</b>	6 (with no trim) 2 (with EO trim)	2	2	6

\*ANSI/BHMA A156.3 (2001) Grade 1 trim

	TP	K	L
			
<b>Product description</b>	22TP	22K	22L
<b>Trim description</b>	230TP*	210K	230L*
<b>Escutcheon plate size</b>	3" x 12 <sup>1</sup> / <sub>16</sub> " x 3 <sup>3</sup> / <sub>32</sub> " (76 x 306 x 2 mm)	3" x 4 <sup>25</sup> / <sub>32</sub> " x 3 <sup>3</sup> / <sub>32</sub> " (76 x 121 x 2 mm)	3" x 6 <sup>3</sup> / <sub>8</sub> " x 1 <sup>5</sup> / <sub>16</sub> " (76 x 162 x 24 mm)
<b>Pull center to center</b>	5 <sup>1</sup> / <sub>2</sub> " (140 mm)	—	—
<b>Projection</b>	2" (51 mm)	2 <sup>15</sup> / <sub>16</sub> " (75 mm)	2 <sup>5</sup> / <sub>8</sub> " (67 mm)
<b>ANSI function</b>	05	08	08
<b>Cylinder type</b>	1 <sup>1</sup> / <sub>4</sub> " Mortise	Furnished	1 <sup>1</sup> / <sub>4</sub> " Mortise
<b>Handing</b>	—	—	—
<b>Optional trim</b>	230TP-BE	210K-BE	230L-BE
<b>Optional #425 sex bolt quantity for device</b>	2	2	2

\*ANSI/BHMA A156.3 (2008) Grade 1 trim

## 22 Optional trim

### 210 Series trim







The 210DT and 210NL have a heavy 10 gauge (2.4mm) stainless steel escutcheon. Rim Cylinder must be ordered separately for the 210NL trim. The 210K knob trim has a 10 gauge (2.4mm) steel escutcheon and uses the Schlage "A" orbit knob with six pin "C" keyway.

### 110NL Cylinder kit

Cylinder kit is available MD for metal doors or WD for wood doors. Metal door application supplied standard if door material is not specified. When ordering with device, specify function NL-OP. Rim Cylinder must be ordered separately.

### 230 Series trim

The 230EO, 230DT, 230NL and 230TP have a heavy 10 gauge (2.4mm) steel escutcheon. The 230L has a cast zinc 3/4" (19mm) depth escutcheon. #06 lever style furnished standard, #03 and #17 optional style levers are available. 230L furnished RHR if handing is not specified. Cylinder must be ordered separately for the 230NL, 230TP and 230L trims.

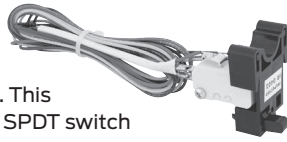
	EO	DT	NL	TP-BE	L-BE	K-BE
						
	Exit only plate	Dummy trim pull when dogged	Night latch key retracts latch bolt	Thumbpiece blank escutcheon always operable, no cylinder	Lever blank escutcheon always operable, no cylinder	Knob blank escutcheon always operable, no cylinder
Trim description	230EO	230DT**	230NL**	230TP-BE**	230L-BE**	210K-BE
Escutcheon plate size	3" x 12 1/16" x 3/32" (76 x 306 x 2 mm)	3" x 12 1/16" x 3/32" (76 x 306 x 2 mm)	3" x 12 1/16" x 3/32" (76 x 306 x 2 mm)	3" x 12 1/16" x 3/32" (76 x 306 x 2 mm)	3" x 6 3/8" x 15/16" (76 x 162 x 24 mm)	3" x 4 25/32" x 3/32" (76 x 121 x 2 mm)
Pull center to center	—	5 1/2" (140 mm)	5 1/2" (140 mm)	5 1/2" (140 mm)	—	—
Projection	—	2" (51 mm)	2" (51 mm)	2" (51 mm)	2 3/8" (67 mm)	2 15/16" (75 mm)
ANSI function	01	02	03	—	—	—
Cylinder type	—	—	Rim	—	—	—
*Optional #425 sex bolt quantity for device	2	2	6	—	2	2
*Additional 425 SNB for 499F strike	2	2	2	2	2	2

\*Sex Bolts are required for wood fire doors  
 \*\*ANSI/BHMA A156.3 (2008) Grade 1 Trim

## 22 Electrical options

### RX Request to exit

The RX (Request to exit) feature is used to signal the use of an opening. This device is equipped with one internal SPDT switch which monitors the pushpad.



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.

The RX switch option should not be used to control a load, but as a signalling switch (0.5 amps. resistive maximum).

The RX switch is available in a low current (LC) switch. Most commonly used in computer operated monitoring systems.

#### To order, specify:

- Standard – Use prefix RX, example RX22EO
- Low Current – Use prefix RX-LC, example RX-LC22EO

### RX2 Double request to exit

The RX2 feature uses two RX switches.

#### To order, specify:

- Standard – Use prefix RX2, example RX22EO

### LX Latchbolt monitoring



The LX feature is used to signal the use of an opening. This device is equipped with one internal SPDT switch which monitors the latch bolt.

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.

The LX switch option should not be used to control a load, but as a signalling switch (0.5 amps. resistive maximum).

The LX switch is available in a low current (LC) switch. Most commonly used in computer operated monitoring systems.

#### To order, specify:

- Standard – use prefix LX, example LX22EO
- Low Current – use prefix LX-LC, example LX-LC22EO

#### Electrical rating for all switches:

- Standard – up to 0.5 Amp @ 24VDC Maximum
- Low Current (LC) - up to 0.5 Amp @ 24VDC Maximum

**Note:** All switches can be either factory or field installed

### ALK Alarm kit

The ALK battery alarm kit is a simple yet effective way to deter unauthorized use of an opening. While the exit device is still a means of egress, the ALK kit contains an internal horn. When the touch bar is depressed, the horn sounds to provide an audible means of signaling that the opening has been violated. The alarm kit can be armed or disarmed by key. The horn is rated at 85 decibel.

#### For hardware applications

The assembly includes both a 24VDC Input and External Inhibit standard. The External Inhibit provides remote arming and dis-arming.

The key switch uses a standard 1 1/4" (32mm) mortise cylinder with a straight cam (Schlage 20-001, B502-191 cam). 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.

The alarm can automatically re-arm with a 1.5, 3 or 4.5 minute time delay upon request.

Alarm kits are available with a choice of two switch kits, RX or LX. RX monitors the touchpad and is furnished standard. LX optional latch bolt monitoring is recommended for use with surface vertical rod exit devices or when alarm needs to sound from both the exit device and trim side of the door. Specify ALK-LX.

The ALK includes a 6" x 20" decal for application on door "EMERGENCY EXIT ONLY. ALARM WILL SOUND.

#### To order, specify:

1. Standard, ALK
2. If AR desired, specify AR 1.5, 3 or 4.5

#### Minimum door opening sizes on ALK applications

Refer to device pages 8, 10, 12, and 14.