

# 22-F Rim fire exit device



**22-F Rim fire exit devices** for all types of single doors up to 4' x 8' (1219 mm x 2438 mm) or 8' x 8' (2438 mm x 2438 mm) double doors with 9954 or 9854 mullion, UL listed for Fire Exit Hardware. Devices are ANSI A156.3 – 2001 Grade 1. Fits door stiles as narrow as 4<sup>3</sup>/<sub>8</sub>" (111 mm). The device is non-handed.

**Finishes** – SP28 & SP313.



The 299F Strike ships standard, optional strikes available

499F Strike with 9854/9954 Mullion

## Specifications

Device functions	Ships ready for all functions, EO, DT, NL, TP, K, L
Device lengths	3' (914 mm) see minimum door opening chart at bottom of page 4' (1219 mm) see minimum door opening chart at bottom of page
Device centerline from finished floor	39 <sup>13</sup> / <sub>16</sub> " (1011 mm) 39 <sup>11</sup> / <sub>16</sub> " (1008 mm) with mullion
Center case dimensions	4 <sup>1</sup> / <sub>4</sub> " (108 mm) x 1 <sup>3</sup> / <sub>8</sub> " (41 mm) x 2 <sup>3</sup> / <sub>8</sub> " (60 mm)
Mechanism case dimensions	2" (51 mm) x 3 <sup>3</sup> / <sub>4</sub> " (95 mm)
Projection push bar	Push bar neutral - 3 <sup>3</sup> / <sub>4</sub> " (95 mm) Push bar depressed - 3" (76 mm)
Latch bolt	Deadlocking, 3/4" (19mm) throw
Fasteners & Sex bolts (SNB)	Includes 1 <sup>3</sup> / <sub>4</sub> " (44 mm) and 2 <sup>1</sup> / <sub>4</sub> " (57 mm) wood & metal doors Optional SNB available for device (see next page for quantities)
Electric options	<b>LX latchbolt monitor switch</b> <b>RX pushpad monitor switch</b> <b>RX2 double pushpad monitor switch</b> <b>ALK alarm exit kit</b> <b>CON Allegion Connect</b>
Mechanical options	<b>GBK glass bead kit</b> <b>AX accessible device</b>
Dogging feature	No mechanical dogging
Strikes	299 – Dull black

### AX

#### Accessible device

- UL certified to meet new 5 lb. maximum operating force requirement
- Exceeds ANSI/BHMA requirements

### RX

#### Pushpad monitor switch

- Signals use of an opening
- SPDT switch to monitor pushpad

### RX2

#### Double pushpad monitor switch

- Uses two RX switches

### ALK

#### Alarm exit kit

- Unauthorized opening triggers 85-decibel horn
- Set in armed or disarmed mode by key

### CON

#### Allegion Connectors

- Common connectors to connect various door hardware all the way to the power supply

### LX

#### Latchbolt monitor switch

- Signals use of opening
- SPDT Switch to monitor latchbolt

## Minimum door opening chart

Stop height	Strike	Single door	Double door w/mullion	Minimum door opening for 3' device*	Minimum door opening w/ALK*
1/2"	299F/499F	Yes	—	26.500" (673 mm)	33.250" (845 mm)
1/2"	299F/499F	—	KR/9854/9954	27.000" (686 mm)	33.750" (857 mm)
5/8"	299F/499F	Yes	—	26.750" (679 mm)	33.500" (851mm)
5/8"	299F/499F	—	KR/9854/9954	27.125" (689 mm)	33.875" (860 mm)

\*For 4' device, add 6" (152 mm)