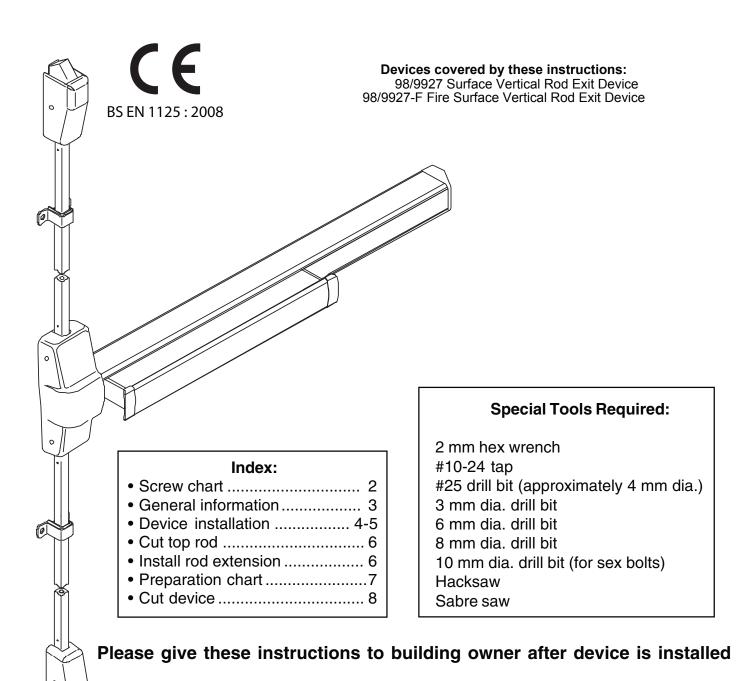


98/9927 & 98/9927-F VON DUPRIN.



911396-00 Surface Vertical Rod Exit Device

Installation Instructions



This product is covered by the following patent numbers:

3,767,238 4,427,223 3.854.763 4,466,643 4,741,563 4,167,280



SCREW CHART

A	#10-24 X 25mm	 Surface mount or Sex bolts (45mm door) 			
	()				
	#10 x 32mm Wood screw —	- Surface mount (wood)			
	- Packaged with trim -	990 trims (45mm door)			
	(]	990 trims (57mm door)			
B	([]] #10-24 X 19mm	- Surface mount or Sex bolts (45mm door)			
	()	- Sex bolts 57mm door			
	(☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐	- Surface mount (wood)			
C D	111115 #10-16 x 10mm Thread cutting	- End cap			
	1/4-20 X 19mm	- 45mm door			
	1/4-20 X 32mm	- 57mm door			
e	#10-24 X 19mm	- Metal frame			
	#10 x 38mm Wood screw	- Wood frame			
0	#10-12 x 10-24 x 32mm Combination	– Metal or wood frame			
G	#10-12 x 10-24 x 32mm Combination—	– Variable floor surfaces			
	#8-32 X 6mm	- Latch covers			
	(1000000000000000000000000000000000000	- Metal or wood door			
	#8-18 x 10mm Thread cutting	Center case cover			

GENERAL INFORMATION

These exit devices can be installed on the door widths listed below:

Device & Strike	Device Size	Code/Standard Requirement	Effective Door Width		
98/9927 98/9927 EL98/9927 EL98/9927	813 mm 1118 mm 813 mm 1118 mm	BS EN 1125 : 2008 BS EN 1125 : 2008 BS EN 1125 : 2008 BS EN 1125 : 2008 BS EN 1125 : 2008	645 mm - 762 mm 797 mm - 1016 mm 711 mm - 762 mm 864 mm - 1016 mm		

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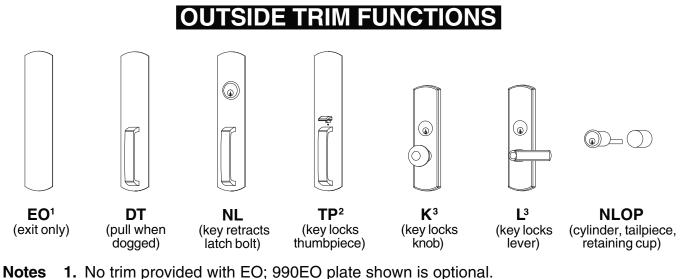
WARNING

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The safety features of this product are essential to its compliance with BS EN 1125 : 2008. No modifications of any kind, other than those described in these instructions, are permitted.

NOTE

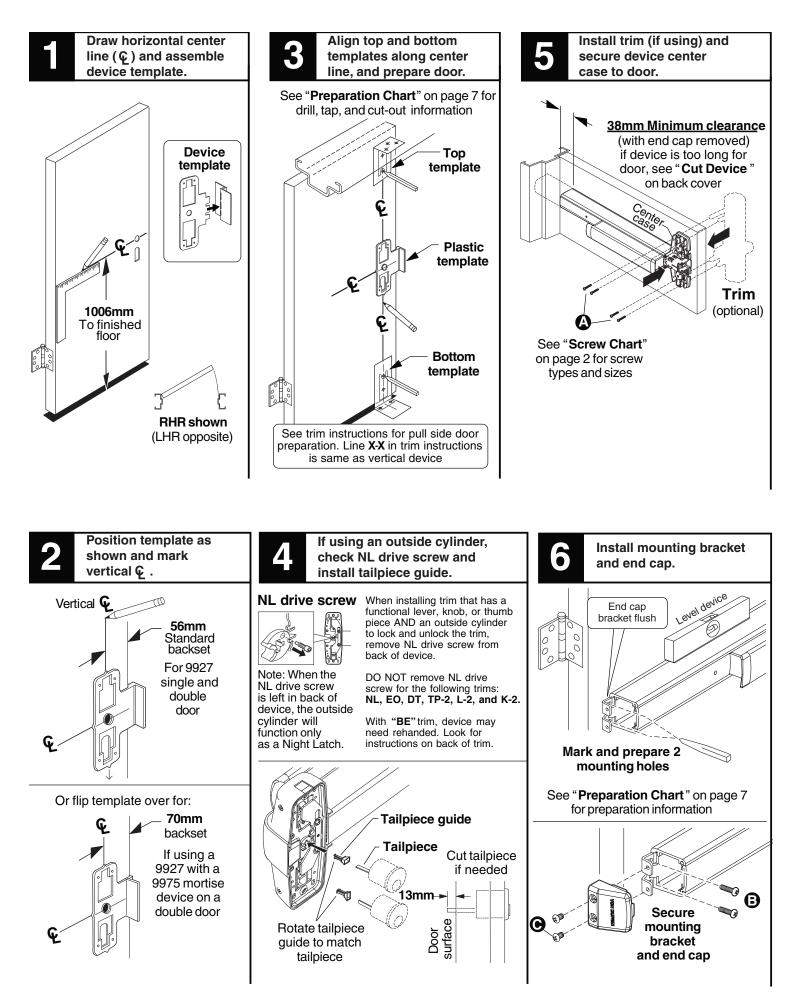
Dogging panic device during high traffic periods will increase life of device. To dog, depress pushbar and turn hex key or cylinder key one-quarter turn clockwise.

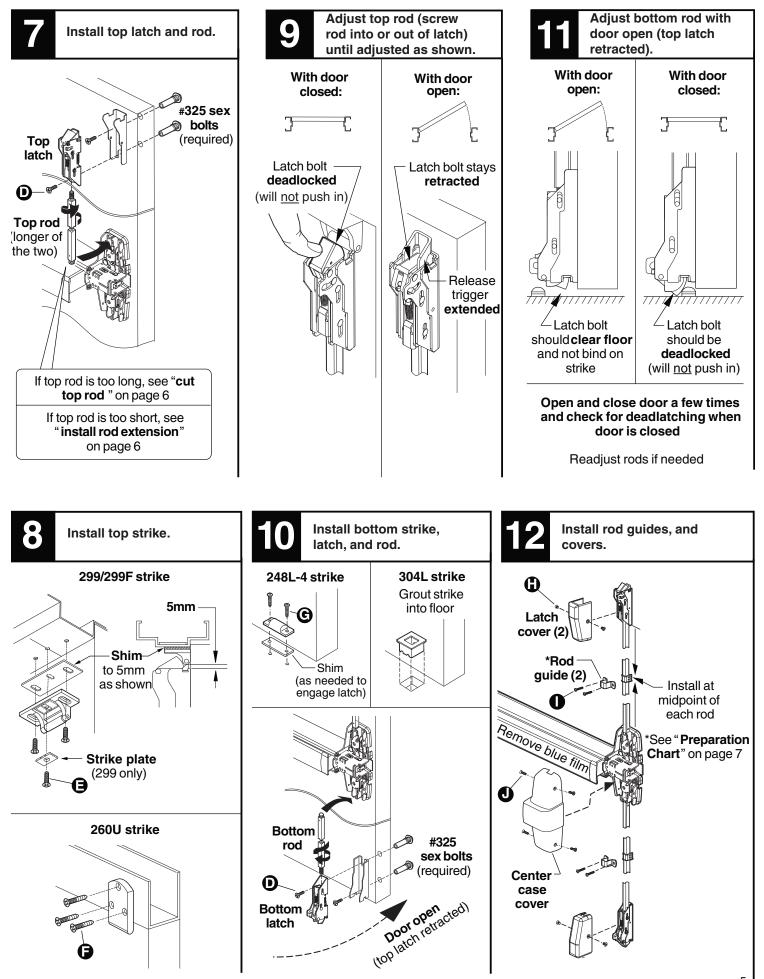


Also available as BE (no cylinder used; trim is always unlocked).

3. Also available as: BE; Rigid (rigid knob or lever; key retracts latch bolt); DT (pull only).

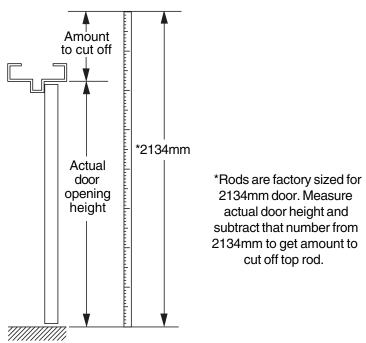
Von Duprin 2720 Tobey Drive Indianapolis, IN 46219

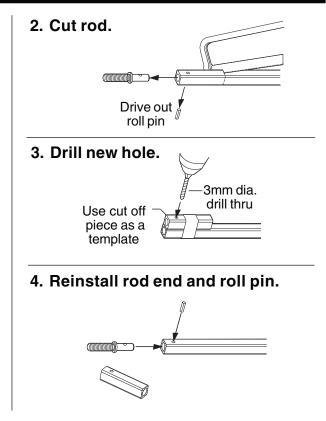




CUT TOP ROD

1. Measure amount to cut off rod as shown below. Note: Rod cutting is required for doors shorter than 2134mm'.



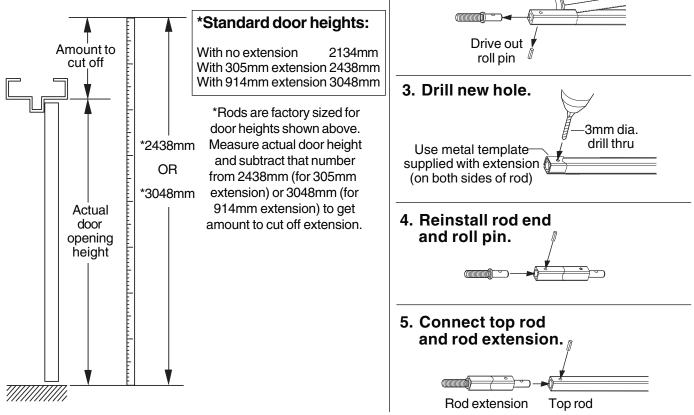


INSTALL ROD EXTENSION

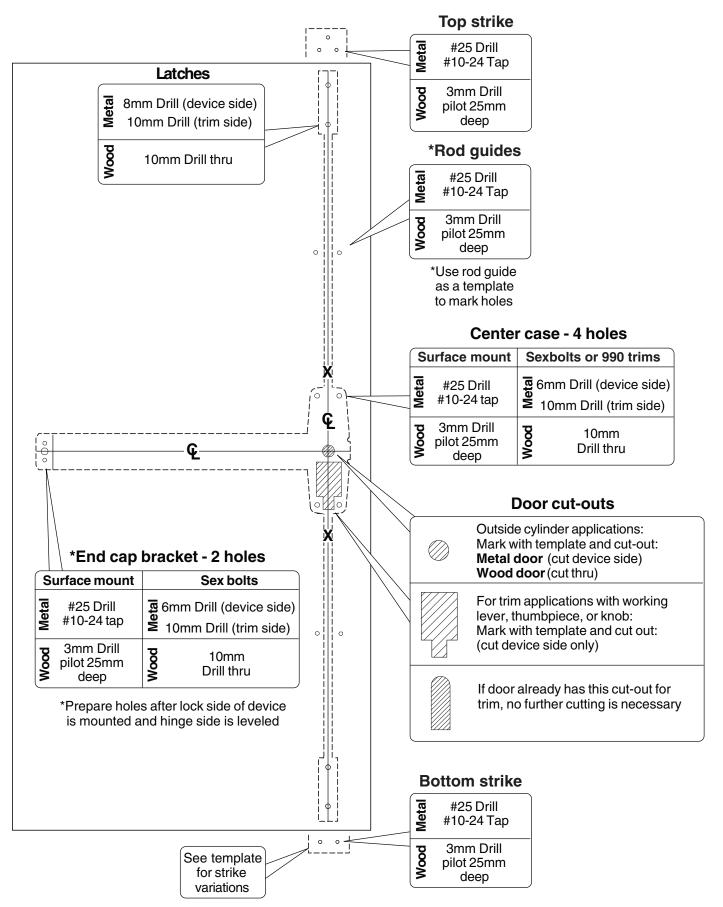
2. Cut rod

extension.

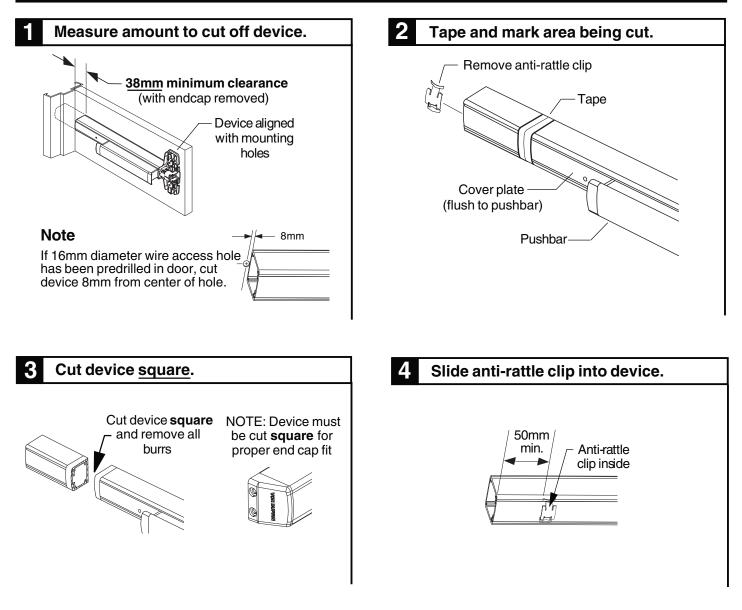




PREPARATION CHART



CUT DEVICE



ADDITIONAL INSTALLATION REQUIREMENTS

- Before installation ensure door and frame are in good condition, correctly hung and not distorted **Note** Maximum door distortion of 5mm to ensure safe exit.
- It is not recommended that exit devices be fitted to hollow core doors unless specially designed for this type of door.
- It is recommended to verify that the door construction allows the use of the device, i.e. to verify that offset hinges and engaging leaves allow both leaves to be opened simultaneously, or to verify that the gap between door leaves does not differ from that defined by the exit device producer, or to verify that the opening elements do not interfere, etc.
- Before fitting an emergency exit device to a fire/smoke resisting door, the fire certification of the fire door assembly on which the exit device has been tested to prove suitability for use on a fire door should be examined. It is of utmost importance that an exit device is not used on a fire door assembly of a greater fire resistance time than approved for.
- Care should be taken to ensure that any seals or weather-stripping fitted to the complete door assembly does not inhibit the correct operation of the emergency exit device.
- On double door sets with rebated meeting stiles and where both leaves are fitted with emergency exit devices, it is essential to check that either leaf will open when its emergency exit device is activated and also that both leaves will open freely when both emergency exit devices are operated simultaneously.
- Category 2 (Standard projection) emergency exit devices should be used in situations where there is
 restricted width for escape, or where the doors to be fitted with the emergency exit devices are not able
 to open beyond 90°
- Different fixing can be necessary for fitting emergency exit devices to wood, metal or frameless glass doors. For more secure fixing, male and female through-door bolts, reinforcement and rivets can be used.
- These exit devices are not intended for use on double action (double swing) doors.
- These fixing instructions should be carefully followed during installation. These instructions and any maintenance instructions should be passed on by the installer to the user.
- When installing lever operating emergency exit devices, particularly on doors with raised or recessed surfaces, consideration should be given to minimizing any potential safety risks, such as the trapping of fingers or clothing.
- The bolt heads and keepers should be fitted to provide secure engagement. Care should be taken to
 ensure that no projection of the bolt heads, when in the withdrawn position, can prevent the door
 swinging freely.
- Where emergency exit devices are to be fitted to double doorsets with rebated meeting stiles and self closing devices, a door coordinator device in accordance with EN 1158 should be fitted to ensure the correct closing sequence of the doors. This recommendation is particularly important with regard to smoke/fire-resisting door assemblies.
- No devices for securing the door in the closed position should be fitted other than specified in EN 1125 / EN 179. This does not preclude the installation of self-closing devices.
- If a door closing device is to be used to return the door to the closed position, care should be taken not to impair the use of the doorway by the young, elderly and infirm.
- Where applicable, the "Push to open" sign should be applied on the inside face of the door immediately above the operating element.

MAINTENANCE INSTRUCTIONS

To ensure performance in accordance with the relevant standard, the following routine maintenance checks should be undertaken at intervals of not more than one month.

- a) Inspect and operate the emergency exit device to ensure that all components are in a satisfactory working condition.
 Using a force gauge, measure and record the operating forces to release the exit device.
- b) Ensure that the keepers are clean and free from obstruction
- c) Check that the emergency exit device is lubricated if required.
- d) Check that no additional locking devices have been added to the door since its original installation.
- e) Check periodically that all components of the system are still correct in accordance with the list of approved components originally supplied with the system.
- f) Check periodically that the operating element is correctly tightened and, using a force gauge, measure the operating forces to release the exit device. Check that the operating forces have not changed significantly from the operating forces recorded when originally installed.
- g) Check that all fixing screws are tight.

These instructions should be passed on by the installer to the user on completion of installation.

PRODUCT INFORMATION

- To comply with EN1125 : 2008 door leaf must not exceed 2500mm high x 1300mm wide x 200Kg maximum weight.
- This product is intended for use on single and / or double leaf outward opening fire escape route doors.
- Category of projection : Category 2
- Field of door application : Category A
- Resistance of door leaf against pulling force of the recommended fixing screws: 1000N maximum achieved.

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EN 1125:2008		7	6	В	1	3	2	2	В	А	

FIRE / SMOKE DOOR SUITABILITY

120 minutes except when fitted with approved trim devices shown in the table below

Door type: Insulated timber or mineral composite tested in accordance with BS EN1634-1 : 2000 (single or double leaf configuration)

Note - when fitted with the following accessories, fire door suitability is reduced to 60 minutes

22	210DT#	210NL*	230L#	230DT#	230NL*	
Series						
33A	OL*	360T*	386NL#	386DT#	388*	
Series						
35A	OL*	0C0T*		2000DT#	388*	
Series	OL	360T*	386NL#	386DT#		
98	990DT#	990NL*	990TP*	991K*	992L*	
Series		SSONE	9901F	991K	992L	
99	00007#	000111 *		001//*	0001 *	
Series	990DT#	990NL*	990TP*	991K*	992L*	

All items marked '#' may be fitted to timber or mineral composite based doorsets for up to 60 minutes integrity.

All items marked ' \star ' may be fitted to timber or mineral composite based doorsets for up to 60 minutes integrity, having a minimum thickness of 52mm and including sub facings comprising a minimum of 3mm thick non-combustible board, with their lock cylinders wrapped with a 1mm thick Interdens intumescent.

For additional information and full details of certification and fire door suitability:

Telephone : 01922 707400

www.allegion.com