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1125:2008

CE/UKCA certification applicable to all 9847EO/EO-F & 9947EO/EO-F

9847EO/EO-F & 9947EO/EO-F LBR

PN - Pneumatic Latch Retraction

EL – Electric Latch Retraction QEL- Quiet Electric Latch Retraction

with the additional options HD – Hex Key Dogging

LD – Less Dogging

37601322BA

9847EO/EO-F & 9947EO/EO-F w/EXT ROD

9847EO/EO-F & 9947EO/EO-F LBR w/EXT ROD

2812

1121

98/9947



Installation Instructions

Concealed Vertical Rod Exit Device Metal Door Applications

Devices covered by these instructions:

98/9947/48 Concealed Vertical Rod Exit Device 98/9947-F/48-F (Fire) Concealed Vertical Rod Exit Device CD98/9947/48 (Cylinder Dogging) Concealed Vertical Rod Exit Device QEL98/9947/48/-F (Electric Latch Retraction) Concealed Vertical Rod Exit Device HH/HW98/9947/47-F (Hurricane) Concealed Vertical Rod Exit Device

Special tools needed:

5/64" hex wrench #10-24 tap Drill bits: #25, 1/8", 1/4", 5/16", 13/32"

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Digital instructions - please read



For the best installation experience, we now have Smartphone friendly digital interactive instructions. Just scan the QR code.

alle.co/9947

For hurricane rated device requirements, see page 4.



Customer Service
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	SCREW CHART	
	() () () () () () () () () ()	 Surface mount or Sex bolts (1-3/4" door) Sex bolts (2-1/4" door)
	- Packaged with trim -	 990 trims (1-3/4" door) 990 trims (2-1/4" door)
B	() () () () () () () () () ()	 Surface mount or Sex bolts (1-3/4" door) Sex bolts (2-1/4" door)
G :	(1111) #10-16 X 3/8" Thread cutting	- Endcap
D	#10-32 X 1/4"	- Bracket to latch
e	() #10-24 X 1/2"	 Bracket to door
Ø	Rod adjusting screw	- Retaining clip
C	() #8-32 X 5/16"	— Retaining clip
	#10-24 X 1/2"	- 338 strike
	#10-24 X 1-1/2"	- Ratchet release
	#8-18 x 3/8" Thread cutting —	- Center case cover

DOOR PREPARATION CHART

Go to instructions on next page before using preparation chart





HURRICANE RATED DEVICE REQUIREMENTS

Hurricane rated exit device requirements (when used with approved Allegion door applications)									
Sexbolts	When installing a Wind and Impact-rated hurricane device (HH), sex bolts must be used. Sex bolts are noted throughout the instructions where applicable. If through-bolting trims are used, these trims are equivalent in function and are used in place of sex bolts.								
Application		Single door standard strike	Mullion	Double door standard strike					
HH (Wind and	HH98/9947,	Тор: 338							
Impact rated)	98/9947 Bottom: 304L	-	Тор: 338						
or	00/0047 5			Bottom: 304L					
HW (Wind Only)	98/9947-F	—	-						







ADJUST RODS

1. Open door and release top 8. Depress pushbar and release. latch bolt as shown (Figure 1). Shown fully 9. Make sure top latch bolt stavs **Top latch bolt** extended retracted as shown. Latch bolt retracted (flush with latch case) Figure 1 Figure 3 2. Loosen bottom locking screw (Figure 2). 10. Install bottom adjusting screw through bottom rod (Figure 2). 3. Disconnect bottom vertical rod by removing 11. With top latch bolt still retracted, adjust bottom bottom adjusting screw. rod so latch bolt clears floor and bottom strike. Top 4. Loosen top locking screw. adjusting screw 5. Rotate top adjusting screw Bottom clockwise until top latch Top A bolt is fully extended latch bolt locking (Figure 1). (clears floor screw and strike) 6. Check top latch Figure 4 bolt for Figure 2 deadlocking **12.** Turn bottom locking screw in. Do not over-tighten. (latch bolt should Check device operation by opening and closing door 13. not push in). several times from the outside. Bottom locking 7. Turn top screw Redo adjustment procedure if : locking screw in. Do not Top latchbolt is not held retracted Bottom over-tighten Bottom latchbolt does not clear adjusting floor and bottom strike screw FRAME PREPARATION **TOP STRIKE RATCHET RELEASE C** Latch case 6" min. -7/16" 1" min. ĽΠ A 1111111 #25 drill └─1/8" #10-24 tap, Double door application 2 places Latch bolt C Latch bolt 9/16"-RHR door LHR door - 1-1/8" -1-5/16" DO NOT USE SLOTS FOR POSITIONING. Edge of stop 21/32" 15/16"-DRILL HOLES AS INDICATED HERE. 13/16 Reinforcing 13/32" 1-5/8" required Inside roller edge 13/32" Plunger must go thru. 15/16" hole in door. 1/4" dia. —∕ 82° csk. x 3/8" Inside **∢**1-7/8"→ Adjust so plunger Plunger roller releases latch bolt when edge dia. in frame

door is closed.

OPTIONAL EQUIPMENT - CONTINUED CD (CYLINDER DOGGING) Std. mortise cylinder 1. Remove mortise cylinder cam and reinstall in reverse (Figure 6). 2. Insert key and rotate cam to install the cylinder to the cover plate (Figure 7). 3. Remove key to slide cover plate in position in the mechanism case. Offset toward pushbar Cylinder Std. mortise Dogging collar cylinder Std. mortise plate cover cylinder Mortise cylinder Mortise cam cylinder Cylinder Cylinder cam locating washer lock nut **CD** function conversion Mechanism **Figure 6** case **Dogging procedure** Turn cylinder key clockwise approx. 1/8 turn for standard dogging Θ Depress pushbar Figure 7 **CUT DEVICE** Measure amount to cut off device. Tape and mark area being cut. Remove anti-rattle clip Device aligned -





Cover plate

(flush to pushbar)

Tape

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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2812-CPR-AAA5007		2021								
EN 1125:2008		7	6	0	1	3	2	2	В	А
UK CA		2812-CPR-AAA7571								
		2021								