

Installation Instructions for Product to EN179 Push Pad Emergency Exit Hardware

The safety features of this product are essential to its compliance with EN179. No modification of any kind, other than those described in these installation instructions, are permitted.

CE	Year of Marking	09
	Certification Body & Certificate No.	1121 – ABB023
Securefast Plc Unit 6 / 7 Cedars Business Centre, Avon Road, Cannock, Staffs, England WS11 1QJ	CEN Standard	EN179 : 2008
	Category of Projection	Category 2 – up to 100mm Projection
	Field of Application – Grade A	Single & Double Doors up to 1300 W x 2500 H
PRODUCT CODE	DESCRIPTION	CLASSIFICATION CODE
SED993/xx/xx/HB	Push Pad Emergency Latch with Hold Back	3 7 6 B 1 4 4 2 B A
SED993/xx/xx	Push Pad Emergency Latch without Hold Back	3 7 6 B 1 4 4 2 B A
SED994/xx/HB	Push Pad Emergency Bolt with Hold Back	3 7 6 B 1 4 4 2 B A
SED994/xx	Push Pad Emergency Bolt without Hold Back	3 7 6 B 1 4 4 2 B A



Push Pad Emergency Panic Bolt



Push Pad Emergency Latch
(Left Hand illustrated)

Applications

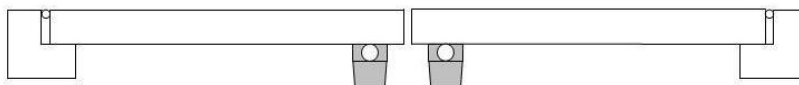
Single Doors fitted with Emergency Bolt



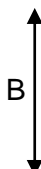
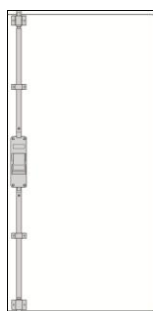
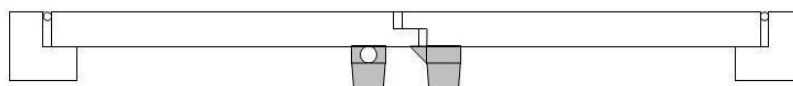
Single Door fitted Emergency Latch



Non Rebated Double Doors fitted with Emergency Bolts
(Emergency Latches should not be used on these types of doors)



Rebated Double Doors fitted with an Emergency Bolt and Emergency Latch



Maximum Clear Opening Width Dimension = 1240mm Single Door or 2480mm Pair of Doors.

When Push Pad is fitted 1100mm from floor level the maximum height = 2530mm.

Dimension B - Push Bar should be fitted between 900mm and 1100mm from the floor height to comply with EN179.

Additional Top Shoot Tubes are available for extended heights

For fitting a Single Latch unit on a Single Door application go to 13

Fitting Push Pad Emergency Bolt on a Single Door or Inactive Double Door Leaf.

1. Position the template T/SED900/002 for the Main Mechanism unit on the inside face of the door at the required height (between 900mm and 1100mm from floor level) and the correct distance from the frame or door edge according to the application. – (See **Diagram 1**)

NOTE A : If installing an Outside Access Device mark and prepare door and fix as per separate instructions provided.

NOTE B : Where the device is fitted to the Inactive Leaf of Rebated Double Doors, a Door Co-ordinator should be fitted to the second opening leaf. (Refer to instructions provided with Co-ordinator).

Mark the fixing hole positions and drill a pilot hole, then secure the Mechanism Unit to the door face with appropriate fixings. – (See **Diagram 2**)



Diagram 1



Diagram 2

2. Accurately measure from the shoulder of the top connector (See **Diagram 3**) to the under face of the soffit, deduct 62mm and cut the Top Shoot Tube to this length. Accurately measure from the shoulder of the bottom connector, (See **Diagram 4**), to the floor level, deduct 62mm and cut the Bottom Shoot Tube to length.

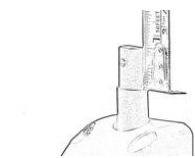


Diagram 3

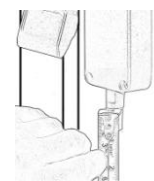


Diagram 4

3. Drive knurled Shoot Tube End Plugs into the cut ends of the Shoots. **NOTE** : Support the uncut ends of the Shoot Tube on a block of wood to prevent damage. (See **Diagram 5**)



Diagram 5

4. Connect the Top & Bottom Shoot Tubes to the Main Mechanism Body and secure with the Dome Head Screws provided. **NOTE** for security the Dome Head Screws must be inserted from the rear face of the Mechanism Body. (See **Diagram 6**)



Diagram 6

5. Slide one Shoot Tube Guide on to each Shoot Tube. Screw the square Adjustable Bolt into the knurled Shoot Tube End Plugs of the Top & Bottom Shoots. (See **Diagram 7**) Fit assembled Emergency Bolt to door face ensuring true vertical alignment of Shoot Tubes and fix Shoot Tube Guides equally along the Top and Bottom Shoot Tube.



Diagram 7

6. Fully depress the Push Pad arm and adjust the Square Top Shoot Adjustable Bolt to give 3mm to 4mm clearance to underside face of soffit. (See **Diagram 8**)

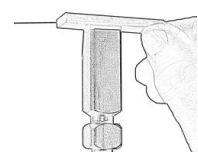


Diagram 8

7. Fully depress the Push Pad arm and adjust the Bottom Shoot Adjustable Bolt to give 3mm to 4mm clearance to the finished floor level. **(See Diagram 9)** and secure the Bottom Guide 40mm from the bottom of the door.

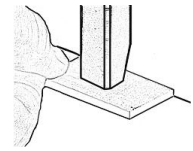


Diagram 9

8. Locate Automatic Top Trip Mechanism on the Top Shoot Tube. Insert a 3mm packer between the Top Adjustable Bolt and soffit. Engage the Automatic Top Trip Lever and push the Top Trip assembly upwards to the top of the groove and secure to the door. **(See Diagram 10).**

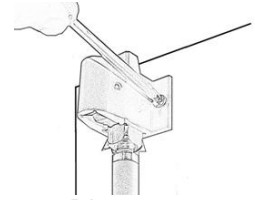


Diagram 10

9. Prepare head and threshold for respective keeps. Ensure that the back edges of the Top and Bottom Keeps are in line with the Door Face / Edge of Frame. **(See Diagram 11).**



Diagram 11

10. Pull door into closed position and ensure:
 - a) That the Top Trip Release is against the Keeper Plate.
 - b) That both Shoots throw fully and enter their respective keeps correctly
11. Depress Push Pad and ensure:
 - a) That both Top and Bottom Shoots withdraw fully from their keeps
 - b) That the Top Trip engages and retains the Shoots in the withdrawn position.
 - c) That the Shoots do not foul the floor or head. Re-adjust if necessary.
12. Test operation and adhere Green 'PUSH PAD TO OPEN' sign immediately at the side of the Push Pad device.

13. Fitting Push Pad Emergency Latch to Single Door or Active Leaf of Rebated Double Door

NOTE The keep supplied can be morticed into the frame or surface mounted for a Single Door application. The keep is also used for Double Door applications, by fitting on the Inactive door leaf.

NOTE Before installing the Panic Latch, decide if the Universal Latch Keep is morticed into the frame or surface fixed.

14. Position template T/SED900/001 on door face for correct application, and at the required height.
15. Secure the Main Mechanism unit to the door face.
16. Locate Universal Latch keep according to the application and secure. Adjust if necessary
17. Test product to ensure that the device functions as intended to the standard EN179.

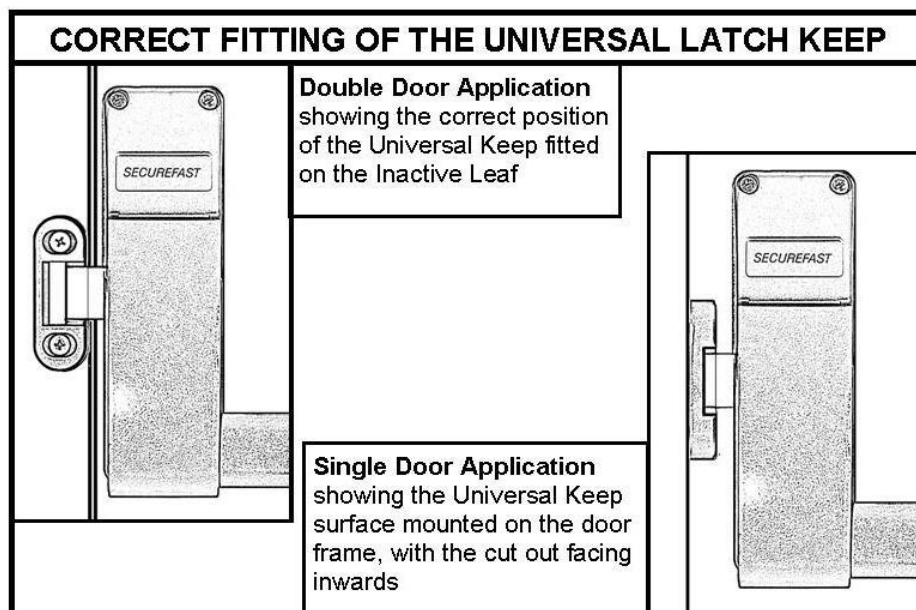
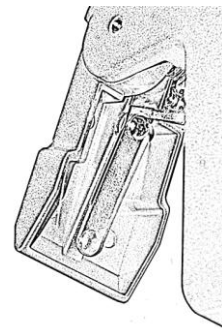
HOLD BACK DEVICE

Where provided this device is fitted under the mechanism operating arm, which enables the shoot bolts to be held in the withdrawn position, allowing the door to be used as a free access.

To engage: Depress the Push Pad and push Hold Back Lever across

To release: Press the Pad and move Hold Back Lever back to initial position

WARNING: THIS DEVICE MUST NOT BE USED ON FIRE / SMOKE DOORS UNLESS THE DOOR HAS BEEN CERTIFIED IN THE UNLATCHED POSITION



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