

INSTALLATION INSTRUCTIONS.

285 PUSH BAR PANIC DOUBLE DOORS.

INSTALLATION INSTRUCTIONS

Panic devices manufactured in accordance with EN 1125: 2008 will provide a high degree of safety and reasonable security provided that the following fitting instructions are strictly adhered to. It is not recommended that panic devices are fitted to hollow core doors. Unless specially designed by the manufacturer exit devices are not intended for use on double action (double swing) doors.

Before Installation check that both frame and doors are in good condition and not twisted. Ensure that the doors are hung on three suitable hinges and that they open smoothly and close squarely into the frame.

This panic latch / bolt set is suitable for use on rebated double door sets.

Max Door size of up to 2550mm high x 1230mm wide leaves (cross bar set at 1100mm)

For taller Doors of up to 3440mm high use 2100mm top shoot tube (Cat. No. P0804) plus an additional shoot guide (Cat. No. P0201). Max door height 4m using 3200mm top shoot kit.

For wider Door leaves up to 1650mm use 1600mm cross bar (Cat. No. P1002)

For wider Door leaves up to 2150mm use 2100mm cross bar (Cat. No. P1003)

WARNING

The safety features of this product are essential to its compliance with EN 1125: 2008.

No modifications of any kind, other than described in these instructions are permitted. If these instructions are disregarded then no responsibility can be accepted by the manufacturer

These instructions must be supplied to the end user by the installer after installation.

REVERSIBLE PANIC LATCH (HANDING)

The panic latch in this set is supplied assembled for **left hand** (hinged on the right opening outwards) doors.

Follow the procedure below to reverse the assembly for **right hand** (hinged on the Left opening outwards) doors.

1. Remove the panic latch backplate (two screws) followed by the drive spindle and actuating plate.
2. Remove the latch bolt / blanking piece / spring assembly from the body by compressing between the forefinger and thumb. withdraw the assembly, rotate 180° and re-insert into the body.
3. Reverse the position of the actuating plate on the drive spindle by flipping it over. Refit both into the body ensuring that the drive spindles pivot is correctly located through the drive plate and into the bearing and its drive peg is located into the plate.
4. Refit the back plate and test for correct operation.

FITTING PROCEDURE

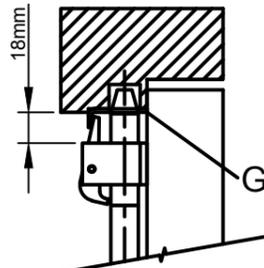
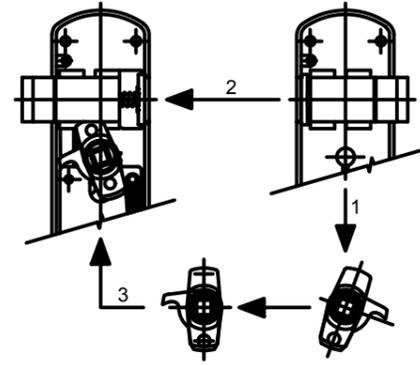
Text instructions letter also refers to the relevant details or dimension shown on the diagram.

- A.** Determine the height of the push bars between 900mm and 1100mm from floor level. Mark this height on both doors. Using the template establish the mounting position of the panic latch on the 1st opening leaf, 10mm from the edge of the 2nd opening leaf and fix in position. Fit the Cat No. 300 latch keep to the edge of the last opening door. Alternatively fit the ED-150 keep (if supplied). Establish the mounting position of the panic bolt operating unit with a 35mm gap (to clear the keep) between it and the panic latch device. Temporarily fix the bolt operating unit to the 2nd opening leaf.
- B.** Measure bottom length dimension B accurately. Subtract 8mm and cut plain end of (short) tube to this length. Using a hammer drive bottom (short) shoot end Cat. No. P0601 into cut end. Shoot end must be driven in squarely & fully against tube end.
- B1.** When fitting the surface mounted keep (3405). Measure the bottom length dimension B accurately. Subtract 23mm and cut the plain end of the (short) tube to this length. Drive the bottom (short) shoot end Cat. No. P0601 into the cut end. The Shoot end must be driven in squarely & fully against the tube end.
- C.** Measure top length dimension C accurately. Subtract 54mm and cut plain end of (long) tube to this length. Drive top (long) shoot end Cat. No. P0501 into cut end. The shoot end must be driven in squarely & fully against the tube end.
- C1.** When fitting the surface mounted top trip keep (3405A). Measure top length dimension C accurately. Subtract 69mm and cut plain end of (long) tube to this length. Drive top (long) shoot end Cat. No. P0501 into cut end. The shoot end must be driven in squarely & fully against the tube end.
- D.** Remove the panic bolt operating unit from the door. Fit the top and bottom shoot tubes to bolt operating unit's spigots and retain with socket head cap screws positioned adjacent to the door face.
- E.** Position shoot guides (Cat. No. P0201) on shoot tubes. Refit bolt operating unit and fit guides to the door using round head screws as shown. Shoots must be vertical and panic bolt unit and guides must be in alignment.
- F.** Locate the Top Trip Guide Assembly (Cat. No. P1201) on the top shoot end. Position as per the diagrams to suit the keep used. Secure the top trip tube assembly to the door.
- G.** The Top Trip keep plate (Cat. No. P0401) should be fitted flush into the head frame and with its narrow edge level with the door rebate. Use the short countersunk head screws provided. Use the keep's aperture as a guide to mark the frame where the bolt will enter. Remove material to approx 17mm deep. When using the 3405A surface mounted keep no material needs to be removed from the frame.
- H.** Fit the floor plate (P1301) with the narrow edge level with the inside door face. For wooden floors fit flush with the finished floor surface. For solid concrete floors the keep can be surface mounted. Remove material to allow the bolt to fully enter the keep (approx. 10mm deep). When using the 3405 keep no material needs to be removed.
- I.** Operate the panic bolt and ensure that the top trip device holds both shoots in the fully withdrawn position when the door is open.
- J.** Close the door and ensure that the top trip device releases the shoots to engage fully in both top and bottom keeps and holds the door firmly closed.
- K.** Using the template position the slave units on each leaf directly opposite the latch & bolt operating units. Ensure all are horizontally aligned and fix.
- L.** For each leaf; measure the outside dimension across the operating arms. Subtract 8mm and cut the plain end of the push bar to length. Drill a 10mm Diameter hole in the plain end of the push bar on the centreline and 12mm from the end.
- M.** Locate the push bars in the operating arms and ensure that the holes align with the arm clamp screws. Insert the end plugs (Cat. No. P0901) into both ends of the push bar flush with the operating arms and fully tighten both screws.
- N.** Test the operation of the device: Firstly test the panic latch (on 1st opening leaf) to ensure that when the push bar is operated the leaf opens immediately and swings freely. Then test the bolt unit on the 2nd opening leaf to ensure this leaf opens immediately and swings freely. When this leaf is open the shoots are held fully withdrawn and when closed the shoots engage fully in the keeps and hold this leaf securely closed. With both leaves closed operate the cross bar on the 2nd opening leaf both leaves should open.
- O.** Remove backing paper and fit the self adhesive foil logo stickers into the recesses on all the operating & slave units covering the top screws for anti-tamper. Fit one green self adhesive "Push Bar To Open" sign onto each door immediately above the push bar.

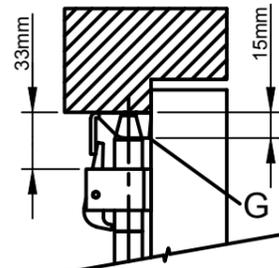
MAINTENANCE

Weekly: Check for correct operation of the panic device and that the bolts fully engage with the keeps. Ensure that keeps are free from obstruction.

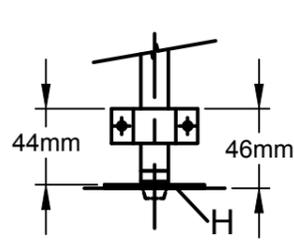
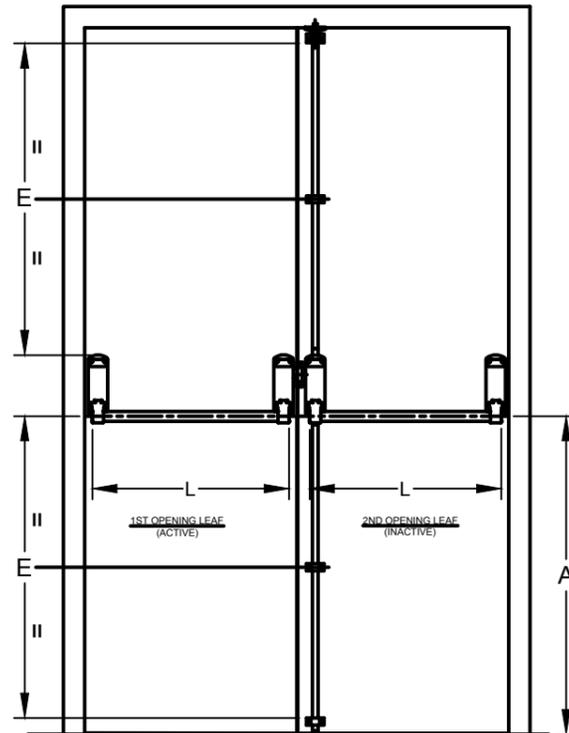
3 Monthly: Check that all fixings are secure.



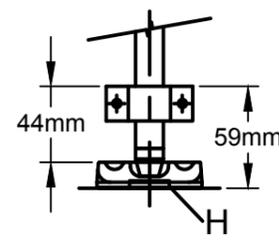
C - P0401 TOP TRIP KEEP
TOP TRIP KEEP
SUPPLIED WITH TIMBER
DOOR VERSION (285)



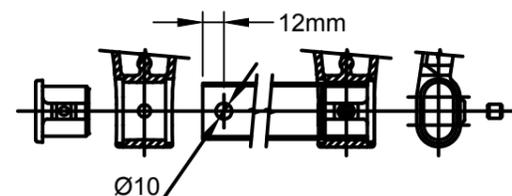
C1 - 3405A TOP TRIP KEEP
ALTERNATIVE SURFACE MOUNTED
TOP TRIP KEEP
AS SUPPLIED WITH STEEL
DOOR VERSION (285SD)



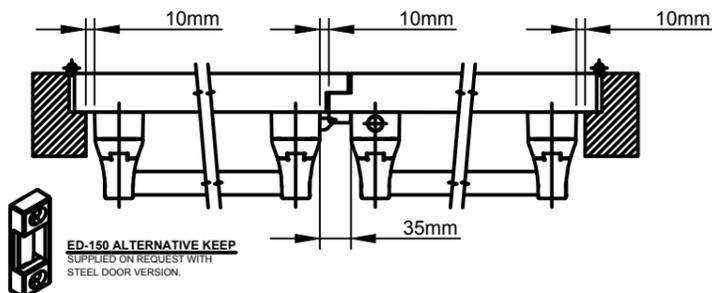
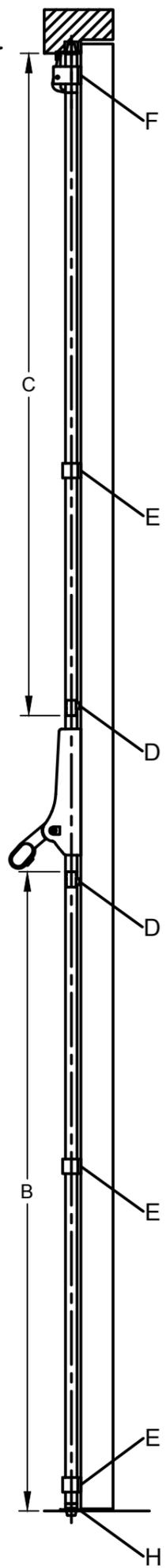
B - P1301 BOTTOM BOLT KEEP
STANDARD FLOOR PLATE KEEP
SUPPLIED WITH TIMBER & STEEL DOOR
VERSIONS (285 / 285SD)



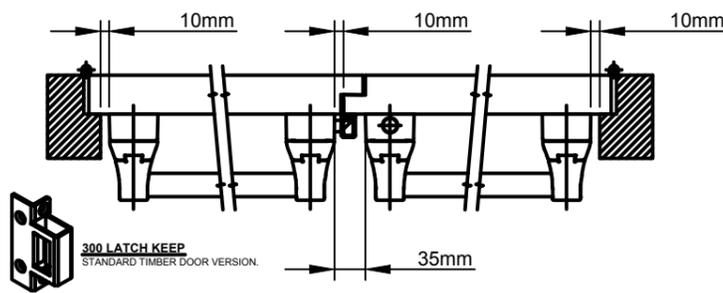
B1 - 3405 BOTTOM BOLT KEEP
ALTERNATIVE BOTTOM KEEP
AS SUPPLIED WITH STEEL
DOOR VERSION (285SD)



300 LATCH KEEP
STANDARD TIMBER DOOR VERSION.



ED-150 ALTERNATIVE KEEP
SUPPLIED ON REQUEST WITH
STEEL DOOR VERSION.



300 LATCH KEEP
STANDARD TIMBER DOOR VERSION.