

# INSTALLATION INSTRUCTIONS.

## 284 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 they are fitted to doors and frames in good condition. It is not recommended that panic devices be fitted to hollow core doors. The door/doors should be checked to ensure correct hanging and freedom from binding. These standard panic bolts are suitable for double swing doors with non rebated meeting stiles on doors of upto 2440mm (8'-0") high x 1830mm (6'-0") wide. For doors of upto 3360mm (11' - 0") high use top shoot Cat. No. P0801 plus an additional shoot guide Cat. No. P0201.

Unless specially designed by the manufacturer panic devices are not intended for use on double action (double swing) doors.

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

### FITTING PROCEDURE

Text instruction letter also refers to the relevant detail or dimension shown on the diagram.

**A.** Fit the panic device operating unit to the first door. Determine the height of the push bar between 900mm and 1100mm from floor level. Mark this position on the door. To establish the mounting position for the panic bolt operating unit 10mm from the edge of the second door. Place the template on the door and align the push bar height and the second door edge line and drill the fixing holes required. Remove the template and temporarily fix the operating unit. Repeat the process on the second door.

**B.** Measure bottom (short) shoot length dimension B accurately. Subtract 8mm and cut plain end of tube to length. Drive bottom (short) shoot end plug Cat. No. P0601 into cut end. Plug must be driven in fully against the tube end. Repeat on second door.

**C.** Measure top (long) shoot length dimension C accurately. Subtract 54mm and cut plain end of tube to length. Drive top (long) shoot end plug Cat. No. P0501 into cut end. Repeat on second door.

**D.** Remove the panic bolt operating units from door and fit top and bottom shoot tubes to the spigots and retain with socket head screws positioned adjacent to the door face.

**E.** Position shoot guides Cat. No. P0201 on shoot tubes. Refit panic bolt unit and fit guides to the door using the round head screws. Shoots must be vertical and panic bolt unit and guides must be in alignment.

**F.** Keeping the operating arm fully depressed locate the top trip assembly Cat. No. P1201 on the top shoot end. Use a 3mm thick spacer between the end of the top shoot and the underside of the head frame to ensure that the shoot is fully withdrawn and secure the top trip/guide assembly to the door. Repeat on second door.

**G.** The head keep plate Cat. No. P0401 should be fitted flush in the head frame and with its narrow edge level with the door rebate. Use the short c'sk. head screws provided. Repeat on second door.

**H.** Easy clean floor socket Cat. No. P0301 for solid floors should be fitted flush with the finished floor surface and with its edge level with the inside door face. Repeat on second door.

Alternative floor plate Cat. No. P1301 for wooden floors must be fitted flush with the finished floor surface and with its narrow edge level with the door face.

**I.** Operate the panic bolts 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 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 both doors directly opposite the operating units and 10mm from the jamb and fix.

**L.** Measure the outside dimension across the operating arms on the first door. Subtract 8mm and cut the plain end of the push bar to length. Drill a 10mm dia. hole in the plain end of the push bar on the centre line and 14mm from the end. Repeat on second door.

**M.** Locate the push bar in the operating arms on the first door and ensure that the holes align with the arm clamp screws. Insert a plain end plugs Cat. No. P0901 into the outer end of the push bars flush with the operating arm and firmly tighten both clamp screws. Repeat on second door.

**N.** Finally test the panic bolts to ensure that when either push bar is operated the door opens immediately and swings freely. When the doors are open the shoots are held fully withdrawn and when closed the shoots engage fully in the keepers and hold the doors securely closed.

**O.** Remove backing paper and fit self adhesive nameplates into the recessed location in the body casting to cover top fixing screws.

Fit green self adhesive "Push Bar to Open" sign onto the door immediately above the push bar.

### MAINTENANCE

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

**3 Monthly.** Check that all fixings are secure.

### IMPORTANT

This equipment must be installed by a competent installer. These fixing instructions must be supplied to the user by the installer when the installation is complete. If these instructions are disregarded then no responsibility can be accepted by the manufacturers.

