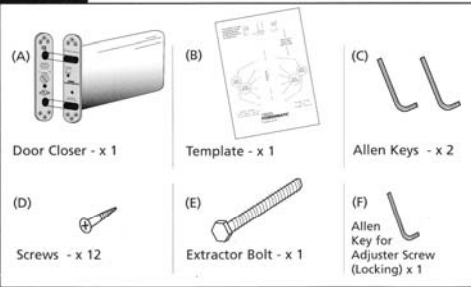


PERKO POWERMATIC®

PARTS LIST



CHECK ALL COMPONENT PARTS AGAINST PARTS LIST.

TOOLS REQUIRED

- Screwdriver (Plain Slotted)
- Screwdriver (Phillips)
- Wood Chisel 25mm x 185mm/1" x 7"
- Solid Centre Auger Bit or Spade Bits 26mm Ø and 28mm Ø 1 1/16" Ø and 1 1/8" Ø
- Bradawl
- Power Drill
- Tape Measure
- Pencil
- Adjustable Spanner
- Ruler

The use of a Souber morticer is suggested for multiple on site installations.
(Available from Souber Tools)
www.morticer.com
A DBB morticer, a long shaft and WB25, WB27, and WB29 cutters will be required

Eye Protectors, Ear Defenders and a Face Mask are recommended during installation of Perko-Powermatic®.

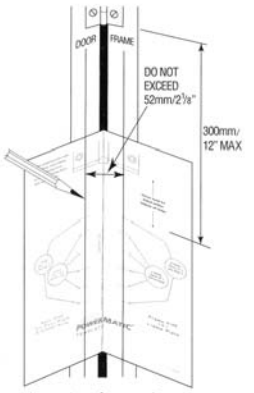
1 IMPORTANT NOTICE

DOOR CLOSERS FITTED TO A FIRE DOOR.

- Perko Powermatic® conforms to Power Size 3 of Controlled Door Closing Device Standard BS EN1154:1997 when the power latching action is set to maximum.
- Turn adjuster screw fully to positive (+) as explained in 9.
- Closer must be fitted no more than 750mm/30" from floor and within 300mm/12" of a hinge.
- Closer and plates should be bedded in Alfacyl FR Intumescent Acrylic Mastic available from Samuel Heath.

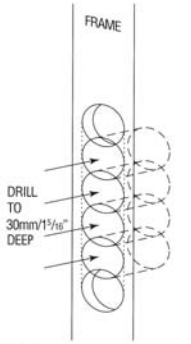
2 TEMPLATE POSITIONING

- Ensure door is plumb, hinges are free, and that timber is sound.
- Take template provided and fold along centre line. Open door to maximum of 105°.
- Secure template to door edge and frame edge within 300mm/12" of a hinge ensuring the centre line is central in the gap between door and frame.
- Draw a vertical line at the centre point of the door edge on the template. **NB This line must not exceed 35mm/1 1/4" from template centre line.**



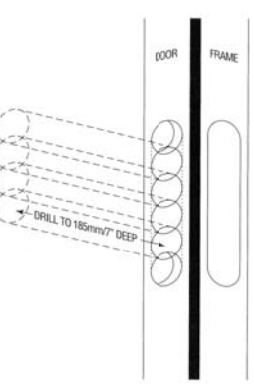
- Repeat on frame edge.
- The maximum distance between these 2 vertical lines must not exceed 52mm/2 1/8" when door is opened to its maximum of 105°.
- At each point on the template where the vertical lines cross the horizontal dotted lines mark through the template using a bradawl into the door edge and frame edge to establish drilling points. Remove template **RETAIN FOR REFERENCE.**
- Note: Door can now be removed from frame to assist drilling if preferred.

3 FRAME PREPARATION FOR FRAME PLATE



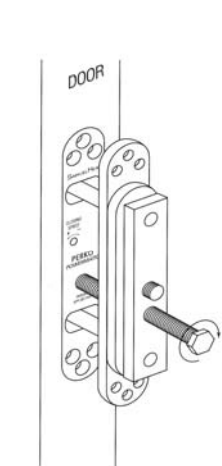
- NB** To ensure correct operation of closer there must be a 3mm/1/8" gap between the two fixing plates when the door is in the closed position.
- Drill 4 x 28mm/1 1/8" Ø holes 30mm/1 1/2" deep to accept frame plate assembly as indicated on template.
 - Drill 2 x 28mm/1 1/8" Ø holes to accept frame plate ends. Depth must cater for 3mm/1/8" gap between plates when fitted.
 - Remove excess timber between drilled holes to accommodate frame plate.

4 DOOR PREPARATION FOR BODY & DOOR PLATE



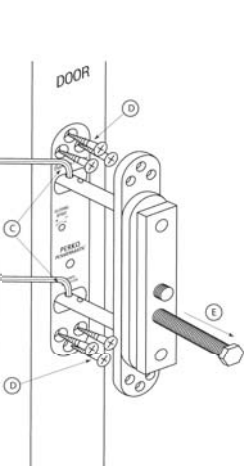
- Drill 4 x 26mm/1 1/16" Ø x 185mm/7" deep holes to accept closer body as indicated on the template.
- Drill 2 x 28mm/1 1/8" Ø holes to accept door plate ends. Depth must cater for 3mm/1/8" gap between plates when fitted.
- Remove excess timber between drilled holes to accept the closer body and door plate.

5 INSTALLING CLOSER



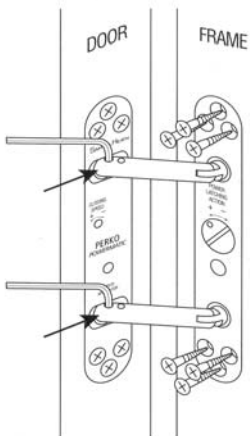
- Insert closer body into door.
- Insert extractor bolt (E) into position and rotate clockwise until holes in link rods appear.
- Generally for thicker doors expose both holes on each rod.

6



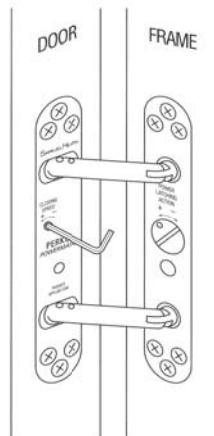
- Insert the allen keys (C) through both top and bottom link rod holes. Both allen keys must be correctly located.
- Remove extractor bolt.
- Secure door plate to door with six screws (D).

7



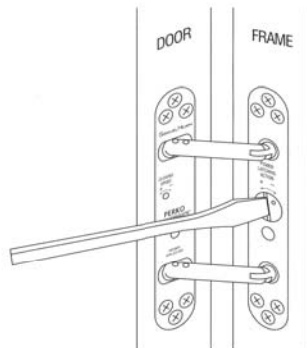
- With closer now held open by allen keys, if necessary firmly push both link rods across door plate and offer frame plate into frame void. Secure with six screws (D).
- Open door slightly and remove allen keys.
- Installation is now complete.

8 ADJUSTMENT
- CLOSING SPEED



- Remove dust cap.
- use one of the allen keys (C) to adjust closing speed.
- Positive (+) increases door speed.
- Negative (-) reduces door speed, as indicated on door plate.

9 ADJUSTMENT
- POWER LATCHING ACTION



- The power latching action can be adjusted using a plain flat ended screwdriver.
- Loosen locking screw using allen key (F) to allow the adjuster screw to turn.
- Positive (+) increases the angle at which latching action engages.
- Negative (-) decreases angle at which the latching action engages.
- Re-tighten locking screw when correct power latching action achieved.

The Perko Powermatic® is protected by the following Patents and Applications.

CANADA	23658;2 243636;3
HONG KONG	1038953
JAPAN	2000-602490
SINGAPORE	82862
TAIWAN	156554
USA	6625847 2004/0111831
UK	1159503 02740038.1 0413132.2
AUSTRIA	1159503 02740038.1
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SWEDEN	1159503 02740038.1
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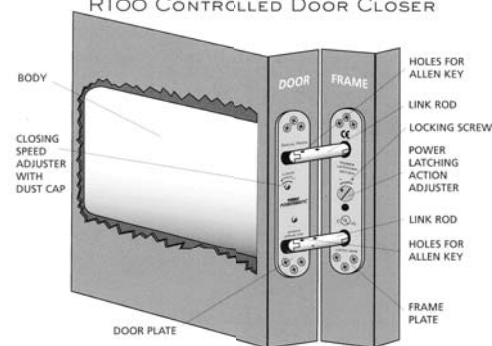
SAMUEL HEATH & SONS PLC

Leopold Street
Birmingham
B12 0UJ, England
Telephone: +44 (0)121 772 2303
Fax: +44 (0)121 772 3334
Sales Office Direct Line: 0121 766 4200
e-mail: info@samuel-heath.com

US Customer Service
111 East 39th Street, Suite 2R
New York N.Y. 10016
Telephone: (212) 599 5177
Fax: (212) 818 9552
e-mail: usa@samuel-heath.com

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PERKO POWERMATIC® R100 Controlled Door Closer



IMPORTANT NOTICE - FOR FIRE DOOR INSTALLATIONS REFER TO ITEM 1 IN FITTING INSTRUCTIONS

- CE marked and adjustable to conform to power size 3 of Controlled Door Closing Device. BS EN1154: 1997 (Test door 60kg/132lbs).
- UL Approved to UL 10B, UL 10C and UL 228. ADA Compliant. ANSI 156.4 Reg.
- 1 Hour Fire Test BS EN1634-1: 2001.
- Adjustable speed control.
- Adjustable power latching action.
- 1 1/2 pairs of hinges should be used in conjunction with this closer on all doors.
- Suitable for doors opening to a maximum of 105°. A door stop should be fitted.
- Maximum door weight 80kg/180lbs, width 950mm/38".
- Suitable for latched and unlatched doors.
- Should **NOT** be used with rising butt hinges or concealed mortice hinges.

**PLEASE READ FITTING INSTRUCTIONS THOROUGHLY
BEFORE INSTALLATION.**