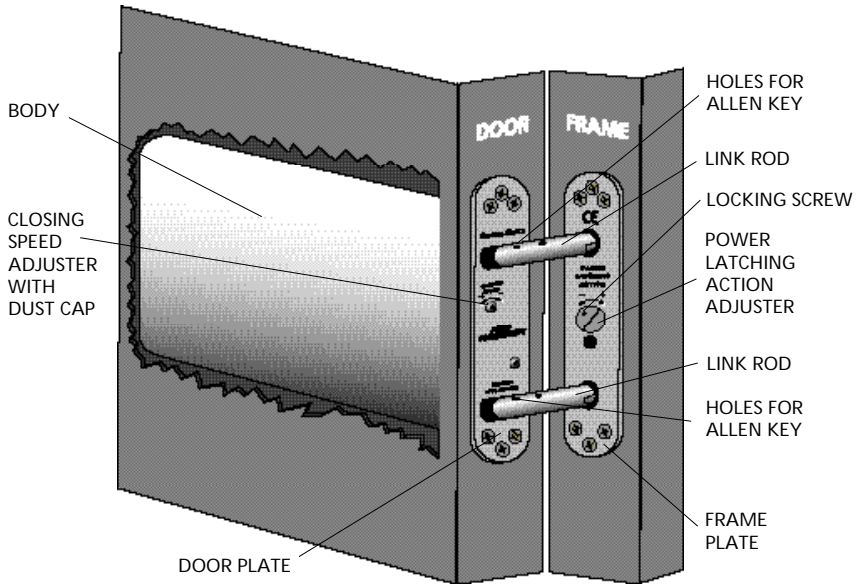


PERKO **POWERMATIC**[®]

R100 CONTROLLED DOOR CLOSER



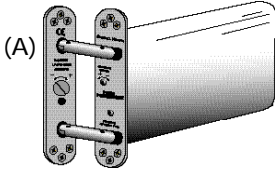
IMPORTANT NOTICE - FOR FIRE DOOR INSTALLATIONS REFER TO ITEM 1 IN FITTING INSTRUCTIONS

- CE marked and adjustable to conform to power size 3 of Controlled Door Closing Device. BS EN1154: 1997 (Test door 60kg).
- 1/2 Hour Fire Test BS EN1634-1: 2000.
- 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, width 950mm.
- 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.

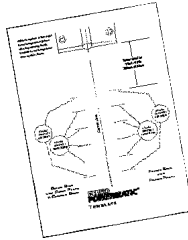
PERKO POWERMATIC®

PARTS LIST



(A) Door Closer - x 1

(B)



Template - x 1

(C)



Allen Keys - x 2

(D)



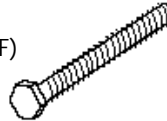
Speed Adjustment Tool - x 1

(E)



Screws - x 12

(F)



Extractor Bolt - x 1

(G)



Allen Key for Adjuster Screw (Locking) x 1

CHECK ALL COMPONENT PARTS AGAINST PARTS LIST.

TOOLS REQUIRED

- Screwdriver (Plain Slotted)
- Screwdriver (Pozi-Drive)
- Wood Chisel 25mm x 185mm
- Solid Centre Auger Bit or Spade Bits 26mm Ø & 28mm 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)
soubertools.com*

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

1 IMPORTANT NOTICE

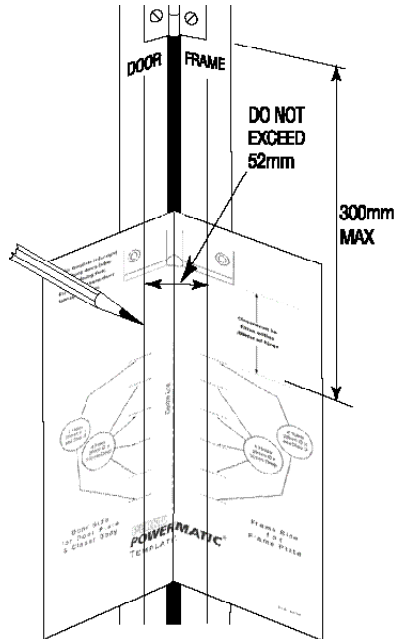
DOOR CLOSERS FITTED TO A FIRE DOOR.

- 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 from floor and within 300mm of a hinge.
- Closer and plates should be bedded in Alfacyl FR Intumescent Acrylic Mastic available from Samuel Heath.

2 TEMPLATE POSITIONING

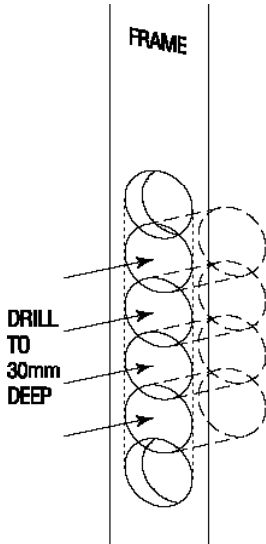
- Ensure door is plumb, hinges are free, and that timber is sound.
- Take template provided and fold along centre line. Open door to maximum of 105°.
- Secure template to door edge and frame edge within 300mm of a hinge ensuring the centre line is central in the gap between door and frame.
- Draw a vertical line at the centre point of the door edge on the template.

NB This line must not exceed 35mm from template centre line.



- Repeat on frame edge.
- The maximum distance between these 2 vertical lines must not exceed 52mm 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.

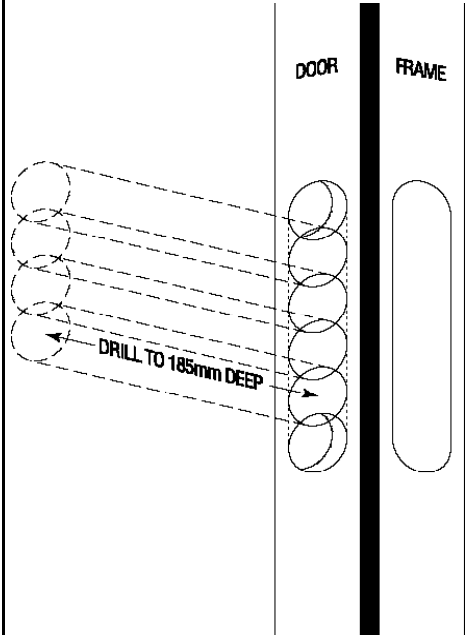
3 FRAME PREPARATION FOR FRAME PLATE



NB To ensure correct operation of closer there must be a 3mm gap between the two fixing plates when the door is in the closed position.

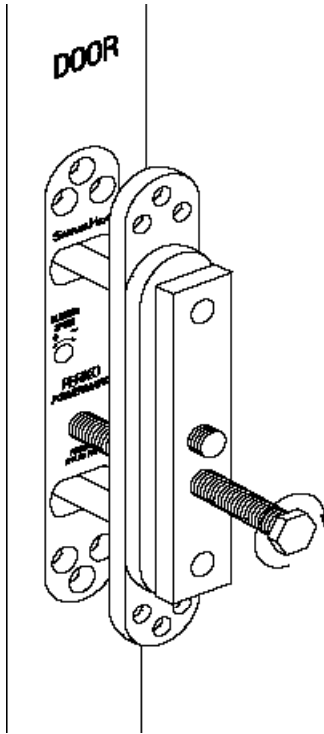
- Drill 4 x 28mm \varnothing holes 30mm deep to accept frame plate assembly as indicated on template.
- Drill 2 x 28mm \varnothing holes to accept frame plate ends. **Depth must cater for 3mm gap between plates when fitted.**
- Remove excess timber between drilled holes to accommodate frame plate.

4 DOOR PREPARATION FOR BODY & DOOR PLATE



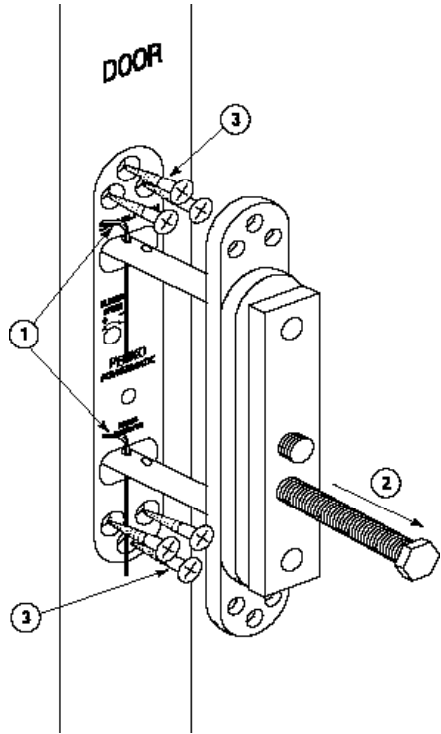
- Drill 4 x 26mm \varnothing x 185mm deep holes to accept closer body as indicated on the template.
- Drill 2 x 28mm \varnothing holes to accept door plate ends. **Depth must cater for 3mm gap between plates when fitted.**
- Remove excess timber between drilled holes to accept the closer body and door plate.

5 INSTALLING CLOSER



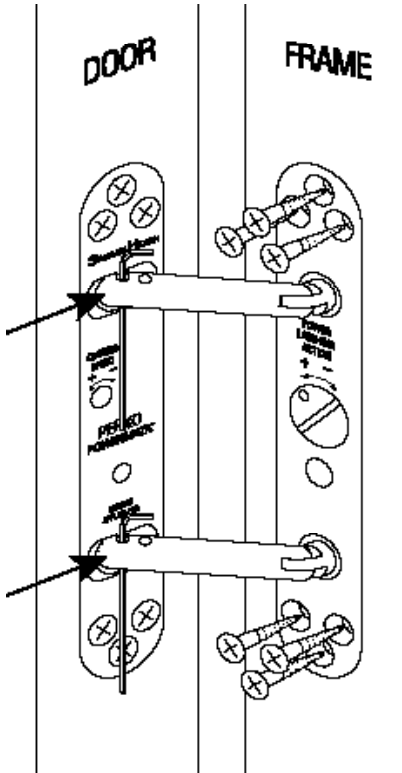
- Insert closer body into door.
- Insert extractor bolt (F) into position and rotate clockwise until holes in link rods appear.
- Generally for thicker doors expose both holes on each rod.

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 (E).

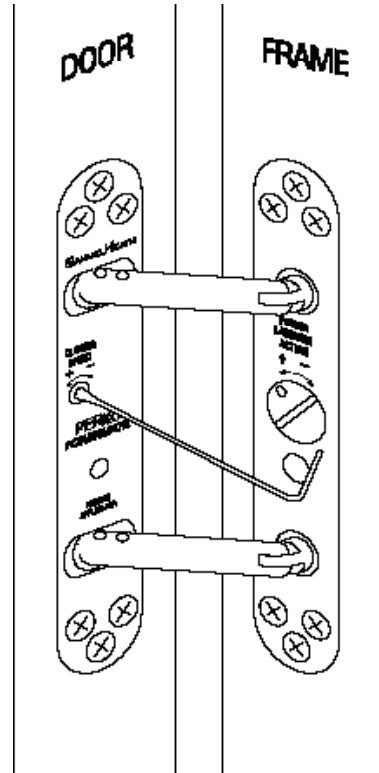
7



- 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 (E).
- Open door slightly and remove allen keys.
- Installation is now complete.

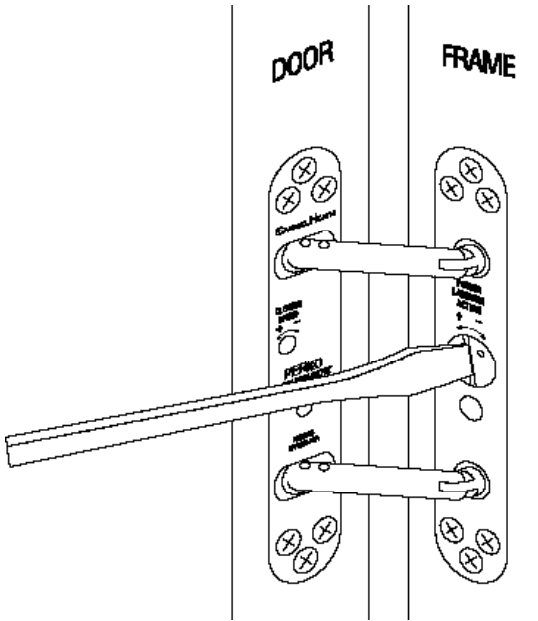
8

ADJUSTMENT - CLOSING SPEED



- Remove dust cap.
- use adjuster tool (D)
- 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 slotted screwdriver.
- Loosen locking screw using allen key (G) 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	2365822 2436363
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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FRANCE	1159503 02740038.1
GERMANY	1159503 02740038.1
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