



Asec Security. PO Box 719, Manchester M60 3TR



Installation Instructions

Door closer size 1-6

WARNING: DOOR CLOSERS WITH A POWER RATING LOWER THAN 3 OR WITH MECHANICAL HOLD OPEN DEVICES ARE NOT SUITABLE FOR USE WITH FIRE DOORS.

Components Checklist:

- | | |
|--------------------------------------|--|
| 1 x Closer body and cover | 4 x 5 x 55mm Self-tapping countersunk screws |
| 1 x Arm assembly | 4 x M5 x 55mm Countersunk screws |
| 1 x Adjustment screw (fitted to arm) | 1 x Plastic spindle cover |
| 1 x M6 Allen bolt | 4 x M5 x 20mm Pan head screws |
| 1 x Parallel arm bracket | |

Tools Required For Installation:

- | | |
|-----------------------|--------------------------|
| Flat head screwdriver | 5mm Allen key (supplied) |
| Posidrive screwdriver | Power drill |
| 4.2mm drill bit | 10mm Spanner |
| Pencil | |

User Information for Door Closers

This information must be observed. Non-compliance will absolve the manufacturer from any liability. The door closer must only be used in accordance with its intended use; i.e. closing of side hung doors following manual opening.

Incorrect use may cause injury

- Obstruction of closing process (e.g. dragging doors, sticking weather strips/sealing rubbers, stiff locks etc)
- Incorrect installation and adjustment (e.g. slamming doors)
- Danger of finger trap between frame and door leaf.
- Wrong size door closer.
- Closer used for other purpose than to close side hung doors.

Maintenance:

NOTE:

- Maintenance to be carried out by a specialist only.
- Check assembly for tolerance and undue wear.
- Tighten any screws that may have become loose.

At least once a year:

- Grease moveable parts.
- Check operation of doors and adjust if necessary.
- For door closers subject to release by electro-mechanical and electro-hydraulic means, please ensure that local regulations are adhered to.

Installation and adjustment by specialist only

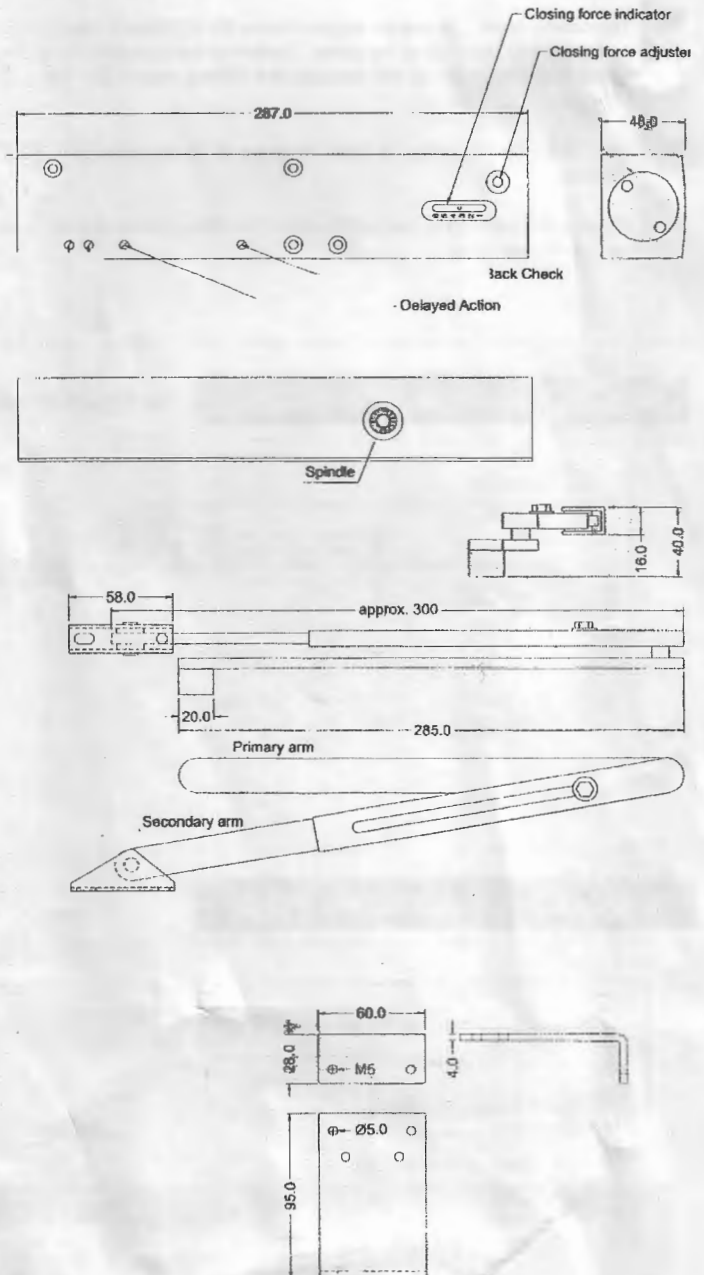
Where necessary, an additional doorstop or buffer must be fitted to limit the maximum opening of the door. This is of particular relevance for slide rail closers where the opening angle may be limited by frame. For further explanations see catalogue preface and product information.

Door handing - DIN left / right

Stand facing the door on the hinge / pull side. If the hinge or pivot is to your right hand side the door is considered to be DIN right. If the hinge or pivot is to your left-hand side the door is considered to be DIN left.

IMPORTANT WARNING:

HIGH INTERNAL PRESSURES, UNDER NO CIRCUMSTANCES ATTEMPT TO DISMANTLE THE CLOSER.



Fixing in figure 1

For Figure 61 fixing (transom mounting for outward opening doors) simply invert the details below

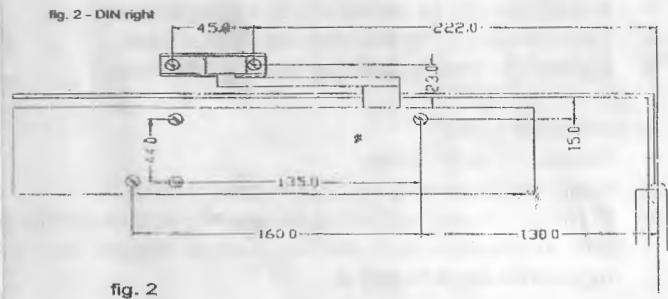
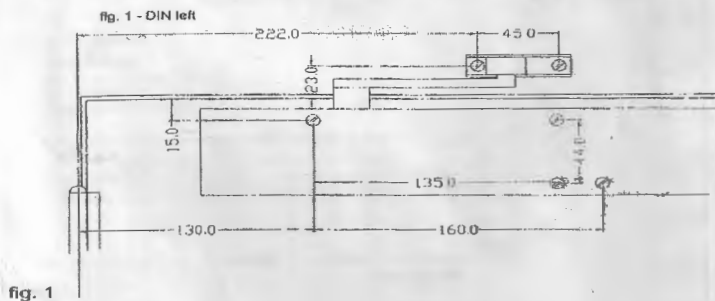
- Mark out the fixing positions. Measure the dimensions from the centre line of the hinge on the door. (This applies to both left and right-hand doors.) There are two holes to be drilled/tapped on the transom for the arm shoe and four holes to be drilled/tapped on the door leaf for the closer body.
- Secure closer body with screws provided, making sure that the spindle is positioned towards the hinge side. (See figure 1 and 2 below.) The power size (closing force) of the closer is adjusted by turning the Allen key screw situated above and to the right of the clear glass indicator tube containing a small ball bearing. As the screw is turned the ball bearing will gradually move to show its power size. If it doesn't appear to be moving give the indicator a gentle tap with your finger that will release it. (Please be aware that the power sizes indicated on the closer are EN ratings 1 – 6.)
- The latch action of the closer can be adjusted using the adjustment valve located on the front in the centre of the body. Clockwise will decrease the latch action and anticlockwise will increase the latch action. **Do not over tighten.**
- A valve on the front of the closer varies delayed action. It can delay the closing of the door from 0 – 30 seconds. Clockwise gives a shorter delayed action, anticlockwise gives a longer delayed action. **Do not over tighten.**
- The closing speed can now be adjusted using the adjustment valve located on the front of the body of the closer. Clockwise will decrease the closing speed and anticlockwise will increase the closing speed. **Do not over tighten.**
- The back check function is fixed to come in at approximately 80-85 degrees
- When commissioning is complete push on the black plastic spindle cover cap and fit front cover.

Fixing in figure 66

- Mark the fixing positions in accordance with fixing dimensions (see figure 1 and 2 below.) There are three holes to be drilled/tapped on the door leaf for the closer body and four holes to be drilled/tapped on the underside of the transom for the parallel arm bracket.
- Separate the primary and secondary arms. This can be done using a screwdriver as a lever. The arm sections will then slide apart. Secure the primary arm to the spindle using M6 Allen bolt. Ensure splines are interlocked. Locate arm at approx. 10° towards the rear of the closer. Turn closing speed valve, located on the front of the body of the closer fully clockwise. This will decrease the closing speed to almost zero. **Do not over tighten.** Rotate primary arm to approximately 90°. Secure closer body to door leaf with fixings provided, making sure that the spindle is positioned away from the hinge side. (See figure 1 and 2 below.) The power size (closing force) of the closer is adjustable in this configuration via the closing force adjuster. Secure primary and secondary arms together (simply click in place.)
- Rotate primary arm in direction of travel (away from door leaf) until an angle of approx. 2° is reached in relation to the door leaf. Tighten 10mm locking bolt.
- The latch action of the closer can now be adjusted using the adjustment valve located on the front in the centre of the body. Clockwise will decrease the latch action and anticlockwise will increase the latch action. **Do not over tighten.**
- A valve on the front of the closer varies delayed action. It can delay the closing of the door from 0 – 30 seconds. Clockwise gives a shorter delayed action, anticlockwise gives a longer delayed action. **Do not over tighten.**
- The closing speed can now be adjusted using the adjustment valve located on the front of the body of the closer. Clockwise will decrease the closing speed and anticlockwise will increase the closing speed. **Do not over tighten.**
- When commissioning is complete push on the black plastic spindle cover cap and fit front cover.

Fixing in Figure 1 (Regular/Standard)

For Figure 61 fixing, simply invert the details below



Fixing in Figure 6 (Parallel Arm Fixing)

