



8002 Series Swing

Door Operator



Versatile and reliable

Quiet and strong

The Lockwood Swing Door Operator has been developed to cope with tough conditions. The motor operates quietly and is completely silent during the hold-open time. The door can be held permanently open by using programme selector. The electronics and the motor are discreetly housed in an attractive cover.

Safety is a trademark

The Lockwood Swing Door Operator offers a high degree of safety. The operator can be combined with the full range of Lockwood Swing Door Operator safety units. The door is then prevented from opening or closing on to somebody or something obstructing the door.

Design

The Lockwood Swing Door Operator is an electro-hydraulic operator designed for a wide variety of applications. It is suitable for almost all types of external and internal swing doors and has been developed to cope with tough conditions. The operator can be mounted on either side of the door for pull or push action and is suitable for single or double doors fitted with butt hinges or pivots.

The Lockwood Swing Door Operator is just as suitable for disabled access, nursing homes and hospital corridors - where the requirements are for silence, flexible operation and reliability - as it is for department stores, banks, hotels, etc, with high density traffic and difficult operating conditions.

Opening

When an opening impulse is received by the control unit, the motor starts and the hydraulic unit rotates the drive shaft and arm system (door) with high speed towards the open position. Before reaching the fully open position, the speed is reduced to low speed. The door stops, and the motor rotation ceases when the selected door opening angle is reached. This open position is held by a hydraulic valve.

Closing

The spring closing starts when the hold-open time has run out. Before reaching the fully closed position, the speed is reduced to low speed, which will be kept until the door is completely closed. The door is held closed by spring power. To overcome the resistance of a striking plate, a 'lock kick' can be adjusted to required level.

Models

Swing Door Operator - for single doors

One drive unit and one control unit fitted under a standard length cover.

Swing Door Operator - for double doors

Two drive units with control unit and slave control unit fitted under a cover with optional length for parallel operation of two doors.



Data and Features

8002 Series

Mains power supply.	230 V AC ⁺⁶/₋₁₀%, 50Hz fuse 10 A
Power consumption.	Maximum 230 W
Recommended maximum door weight.	250 kg
Maximum door width.	1600 mm
Operating ambient temperature range.	-15°C to +50°C
Dimensions: Height x Depth x Length (single door).	110 x 110 x 716 mm
Maximum opening angle.	120°
90° opening time (adjustable).	1.5 – 4 seconds
90° closing time (adjustable).	1.5 – 4 seconds
Maximum 90° hold-open time (adjustable).	0 – 30 seconds
Closing power, EN size.	3 – 6
Lock kick.	✓
Motor lock.	✓
Coordination unit.	✓
Non-handed.	✓
Finishes, Silver - SIL, other finishes available on request.	✓

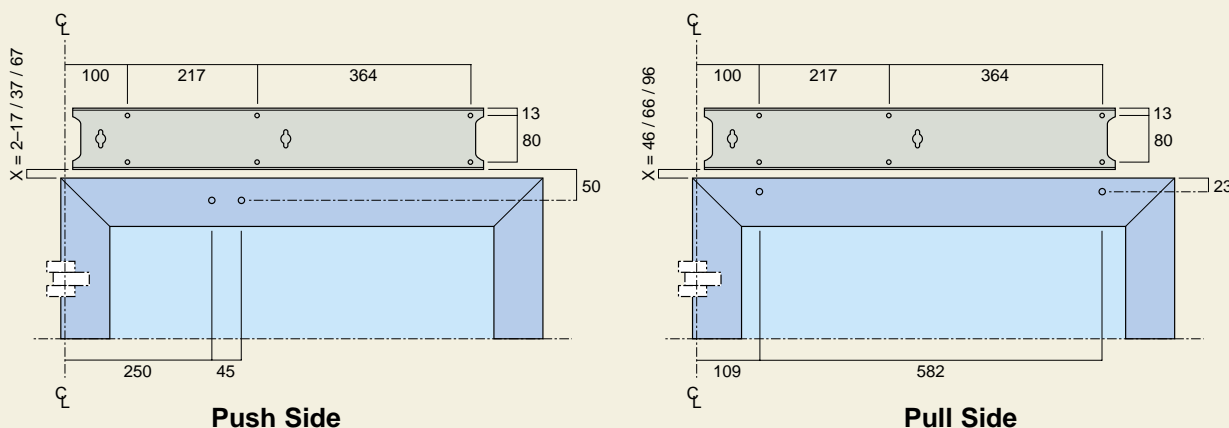


Lockwood Swing Door Operators have been successfully tested on fire door assemblies in accordance with Australian Standard AS 1905.1: 1997 fire resistant doorsets.

To conform to this standard the unit will be connected to the fire control system, if the unit is in the timed hold-open or set hold-open position, when power is interrupted, the door will be closed with the built up energy of the closing spring.

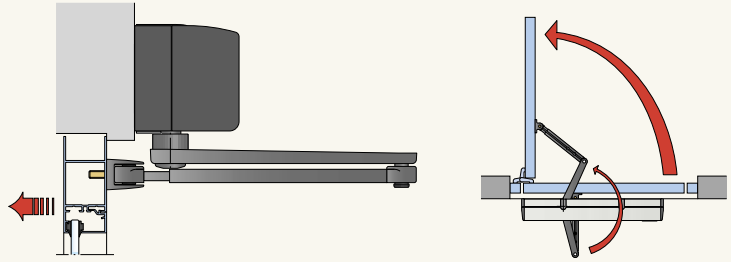
Mounting Instruction Guide

X = Shaft Extension



Pushing Arm System

Pushing arm system, where the operator is installed on the wall on the opposite side of the door swing. Door opening angle adjustable up to 120°. Swing arm operator package comes with silver cover and black push arm.

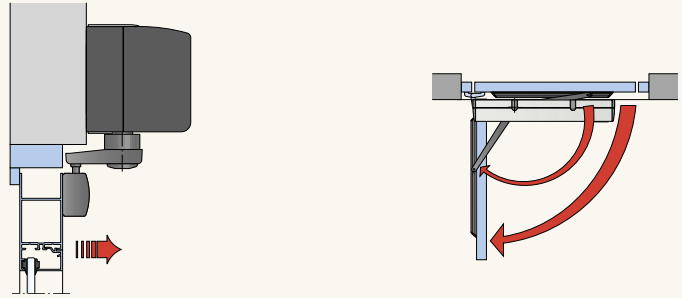


Part Number

8002PSIL

Pulling Arm System

Pulling arm system, where the operator is installed on the wall on the same side as the door swing. Door opening angle adjustable up to 120°. Swing arm operator package comes with silver cover and black pull arm. 40% Power loss.

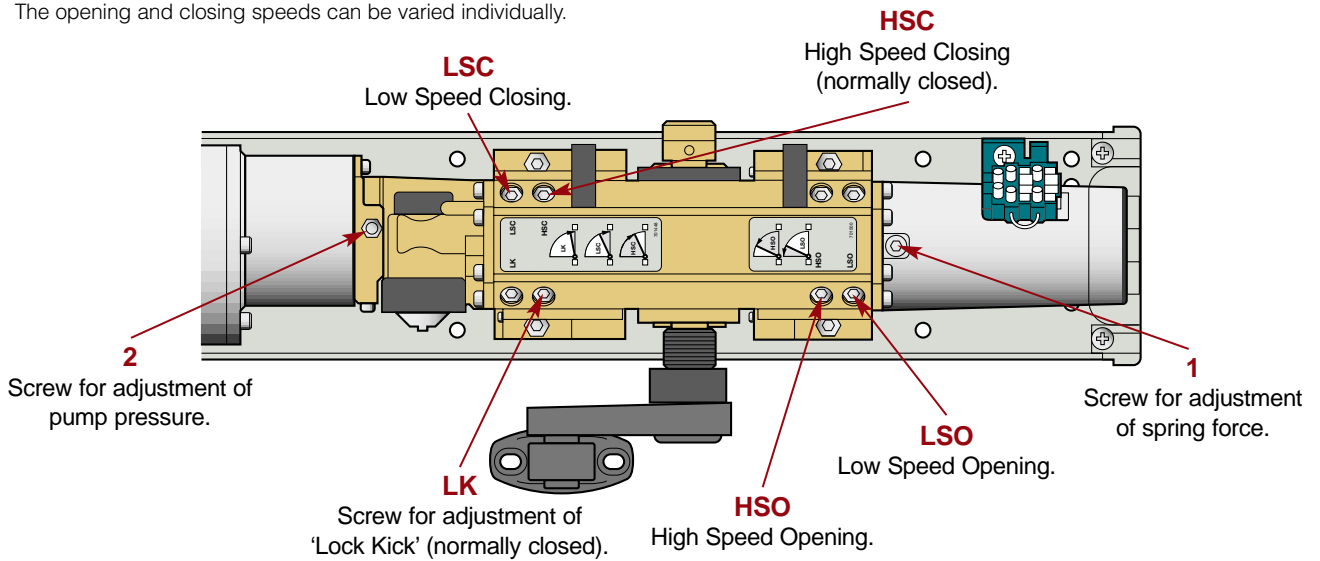


Part Number

8002SSIL

Speed and Force Adjustments

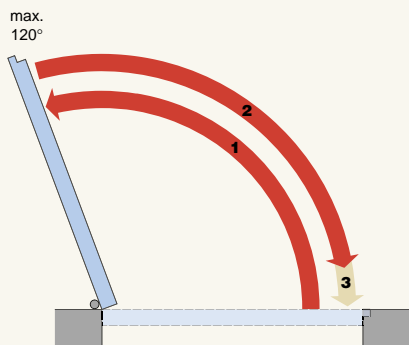
The opening and closing speeds can be varied individually.



Controls

Separate valves control door opening, closing and latching speeds.

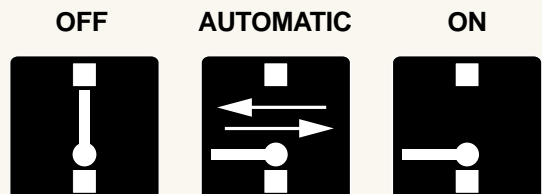
- 1 Opening Angle 120°, Opening Speed 1.5 – 4 seconds
- 2 Closing Speed 1.5 – 4 seconds
- 3 Lock Kick



Lock Kick

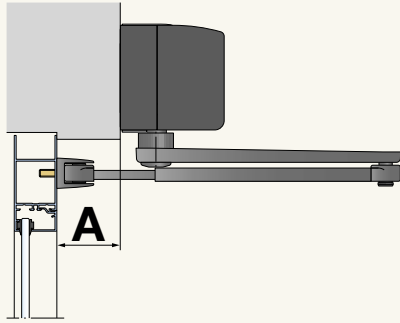
To overcome the resistance of a striker plate, the 'lock kick' can be adjusted to the required level of resistance. This will ensure that the lock bolt will securely engage into the striker plate.

Programme Selector



Reveal Depth (A)

Pushing Arm System

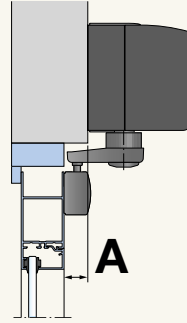


Arm Extension

8002-173004	A = 235 – 360 mm
8002-173191	Joint for 235 – 485 mm

Pulling Arm System

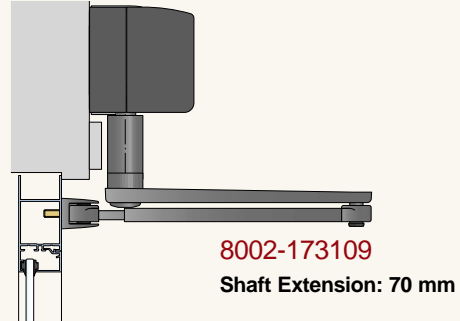
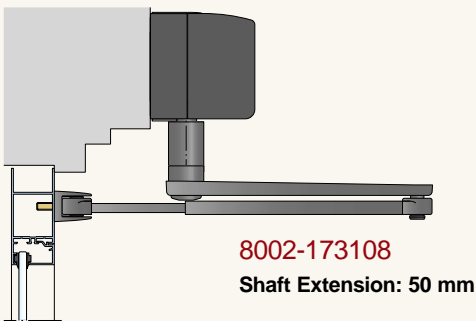
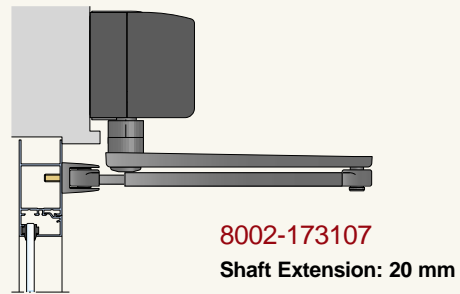
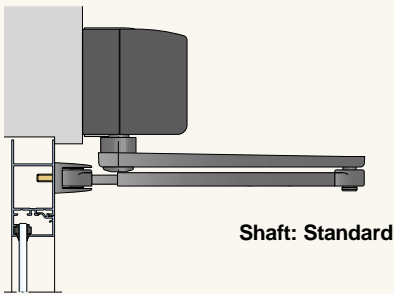
A = 0 mm



Packer

8002-173804BK	A = 0 – 130 mm
	Standard = 130 – 170 mm

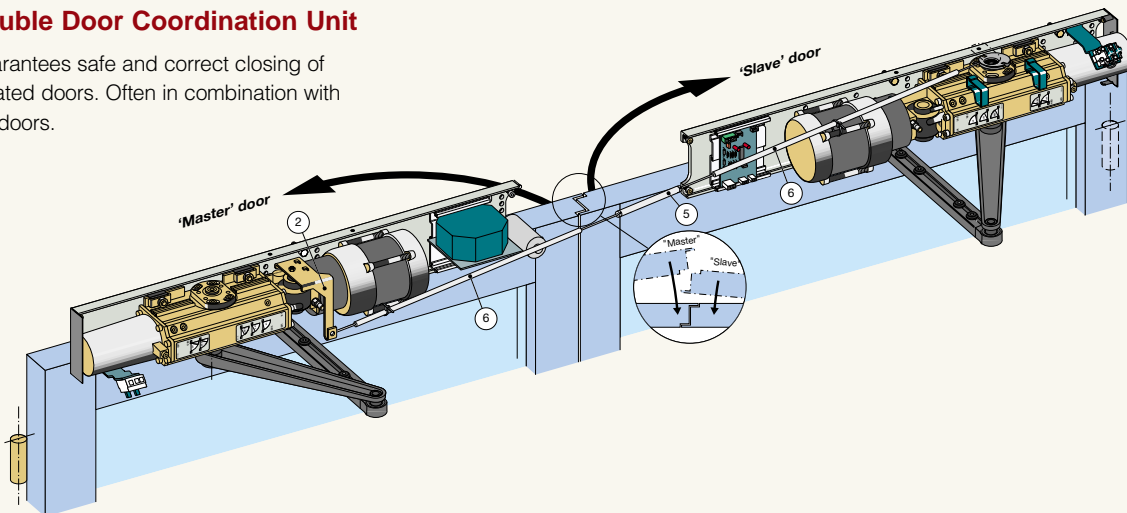
Shaft Extension



TRIM

Double Door Coordination Unit

Guarantees safe and correct closing of rebated doors. Often in combination with fire doors.



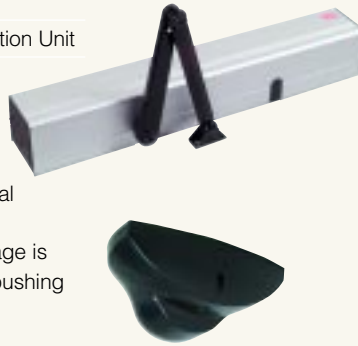
Operator with Motion Detector

- 1 x 8002 Swing Door Operator
- 1(2) x 8002-1700007 Radar Activation Unit

Activation unit detects the presence of an object in its range and automatically opens the door.

Can be used in conjunction with an 8002-1700008 Elbow switch for manual activation on one side.

Ideally suited for doorways where usage is primarily for people carrying goods, pushing trolleys, wheelchairs or beds.



Operator with Elbow Switch

- 1 x 8002 Swing Door Operator
- 1(2) x 8002-1700008 Elbow Switch

When the Elbow switch is activated by hand it automatically opens the door. Can be used in conjunction with an 8002-1700007 Motion detector (Radar detection) switch for automatic activation on one side.

Ideally suited for doorways where manual activation of the door is required.



TRIM

Operator with RF Remote Control

- 1 x 8002 Swing Door Operator
- 1 x 8002-1700009 RF Remote Control
- 1 x EK35 Lockwood Electric Strike

When the RF transponder is activated, the RF receiver located inside the swing door operator signals the electric strike to open and allows the door to be opened by the swing door operator.

Ideally suited for doorways where wheelchair entry is required.



Operator with Presence Detection

- 1 x 8002 Swing Door Operator
- 1 x 8002-738765 Eye-Tech infra-red presence detector
- 1 x 8002-655614 Limit switch for presence detection or indication

The presence detector operates as a door activator when a person enters the zone on the PUSH side. Once the door is open it remains open until the person has gone through. As a safety sensor, on the PUSH side it protects persons or objects from being hit by the door if the door has been stopped by the safety sensor on the PULL side and is closing after the pause time. In this case the door remains stationary and only moves in the unobstructed direction. Ideally suited for areas where beds and frail people need to ensure that the door will not close on them until completely clear of the doorway.





LOCK UP WITH LOCKWOOD™

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Lockwood Guarantee

Lockwood Security Products Pty Limited ("Lockwood") guarantees its products against defects in workmanship and materials. If within the normal working life of a product it is found to be defective, Lockwood will supply the same or an equivalent product free of charge.

All electrical components used in our products are guaranteed for a period of five years from the date of manufacture. Lockwood however, assumes no liability under this guarantee for the following:

1. Improper installation or failure to follow fitting instructions.
2. Failure due to improper maintenance or fair wear and tear.
3. Indirect or consequential loss or damage.
4. Cost of removal and/or replacement.

5. Cost of freight and/or travelling time.

6. The plated finishes, Florentine Bronze, Architectural Bronze, Polished Brass, Gold and Satin Brass are classified as soft finishes. As deterioration is possible under some climatic conditions, these finishes are excluded from this guarantee.

7. Any modification to a product as supplied, or repairs, unless authorised by Lockwood.

8. Use of replacement parts other than authorised parts.

9. Malfunction or failure of the product due to the use of non-genuine Lockwood parts.

Nothing in the Lockwood guarantee excludes, restricts or modifies any condition, warranty, right or liability implied or protected by law where to do so would render the Guarantee, or any part of it, void.

