

LIFTMASTER®

924 BARRIER GATE MANUAL



IMPORTANT NOTICE

This barrier gate is strictly for the control of motor vehicles. Pedestrian access is not recommended as the boom arm may open and close at any time. Adequate warning signage is recommended for each installation clearly showing this information.



QUEENSLAND

Brisbane
(07) 3849 6666

Gold Coast
(07) 5596 4795

VICTORIA

Melbourne
(03) 9467 8555

NSW

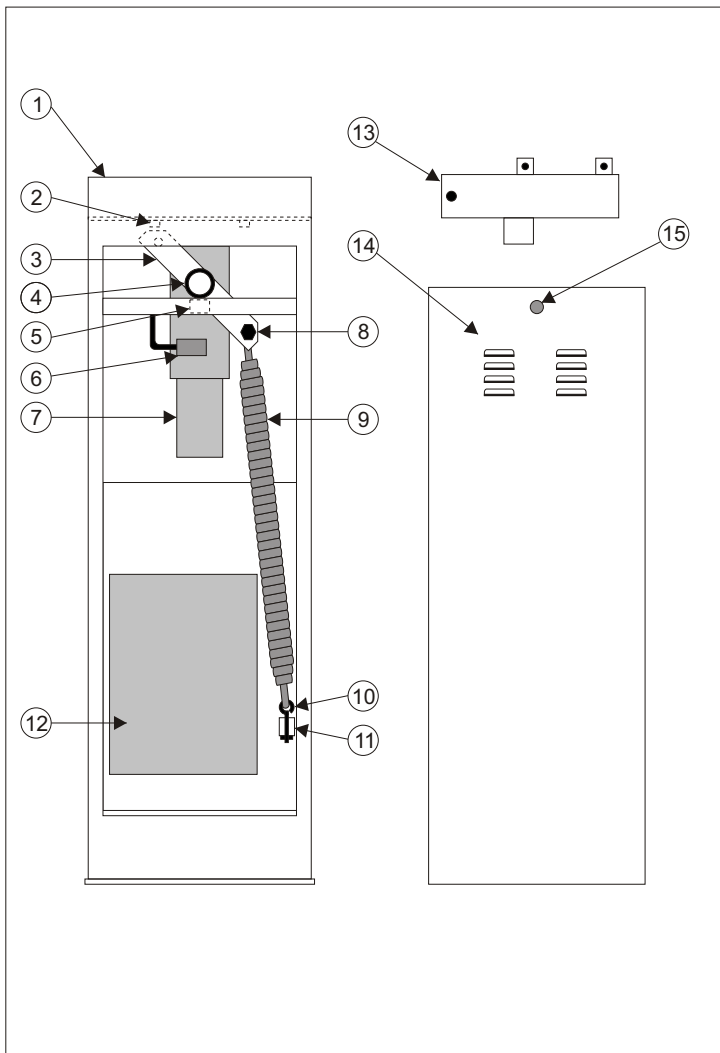
Sydney
(02) 9699 9654

Wollongong
(02) 4256 4247

LIFTMASTER ELECTRONICS PTY LTD A.B.N. 58 000 266 035
PO BOX 54 ALEXANDRIA NSW 1435 AUSTRALIA PH: 61 2 9699 9654 FX: 61 2 9699 8443
www.liftmaster.com.au salesdesk@liftmaster.com.au

As Liftmaster Electronics policy is one of constant improvement, we reserve the right to alter any part of these specifications without notice and without incurring any obligation.

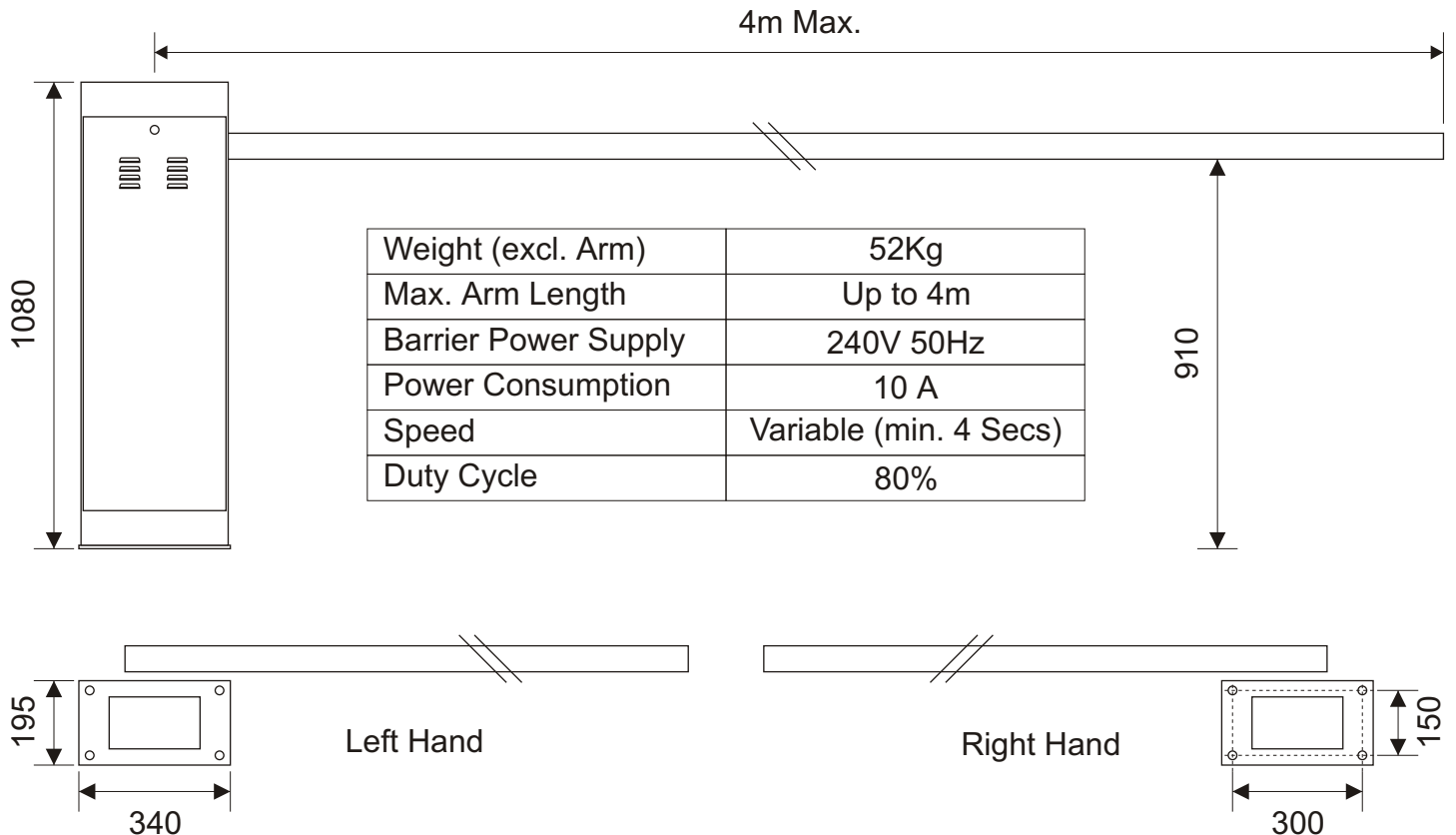
924 Parts

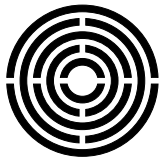


No.	Part No.	Description
1	G237800	Cabinet & Backing Plate
2	3/8 x 1 1/4"	Mechanical Stop Bolt
3	G237802	Spring Balance Bar
4	Sundry	Limit Switch Cams
5	Sundry	Limit Switches
6		Manual Release
7	3ART324	Motor / Gearbox
8	1/2 x 2"	Spring Bolt
9	Sundry	Spring
10	3/8 x 6"	Hook Bolt
11	Sundry	Hook Bolt Bracket
12	500142	MB126 Control Box
13	G237810	Round Arm Flange
14	G237801	Door
15	700BX30	Lock

*Highlighted parts not available as spare parts

Technical Specifications





Preliminary Checks

- During operation the barrier arm must be clear of obstacles.
- Adequate concrete footing for mounting barrier cabinet.
- Correct spring has been supplied for arm length.

Mounting Barrier Gate

Minimum concrete footing 300W x 500L x 500D.
Fixing should be 4 x 12mm x 75mm dyna bolts or equivalent.

Manual Operation

1. Turn manual release lever upwards (part #6).
2. Raise or lower barrier arm manually.
3. To restore automatic operation, turn release lever downwards and move arm slightly until gearbox re-engages.

Fitting Arm

1. Slide insert into end of arm.
2. Fit arm end with insert into flange and drill hole through arm for bolt to hold into place.
3. Tighten flange bolts to firmly clamp arm.

Installing and Adjusting the Balancing Spring

The barrier gate requires a balancing spring which must be supplied according to the arm length being used (up to 4m).

1. Ensure barrier gate is in manual operation.
2. Raise barrier arm to open (vertical) position.
3. Connect spring (part #9) to spring bolt (part #8) and spring adjustment hook bolt (part #10).
4. Position the barrier arm to 45° and tighten spring adjustment hook bolt nuts until the barrier arm balances in this position. Over tension or under tension could cause the arm to jerk during operation.
5. Restore barrier gate to normal operation.

Setting Limits

1. Ensure barrier gate is in manual operation.
2. Adjust limit cams (part #4) for open and closed positions by rotating so that they activate limit switches (part #5) a few millimetres short of the mechanical stops (part #2) in both open and closed positions. Rotate by using a small screwdriver with the point in slots on the cam to tap cam around to correct position.

Mechanical stops are only used as an emergency stop to limit over travel in case of limit switch failure.

Control Board

Control board is factory set to operate in Mode 1, If adjustments to operating modes are needed please refer to the MB126 logic control manual in the control box.

Final Commission

1. Test arm reverses on impact when going down. Adjust force sensitivity to suit application.
2. Ensure safety devices are functioning correctly ie. loop detectors, photo electrics etc.
3. After several operations test the integrity of mounting fixings.

Left or Right Hand Opening

The barrier gate is supplied set for either left or right hand opening. If this needs to be changed in the field please contact Liftmaster Electronics.

Maintenance

To ensure correct long-term operation, carry out the following checks every six months.

- Check all safety devices used are operational.
- Check anti-crushing current sensing is correctly set.
- Check the earth connection.
- Check mounting bolts are tight.
- Check barrier arm is balanced.
- Check balancing spring is in good condition.
- Check spring bolt and spring hook bolt are securely fixed and in good condition.
- If battery backup is installed check battery condition.



LIFTMASTER

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PROFESSIONAL RANGE

SLIDE GATES



SLIDER 300 / -24
SLIDE GATE MOTOR
240VAC or 24VDC



SLIDER 500 / -24
SLIDE GATE MOTOR
240VAC or 24VDC



SLIDER 1000
SLIDE GATE MOTOR
240VAC



SLIDER 1500
SLIDE GATE MOTOR
240VAC

GARAGE DOORS



LM60 GARAGE DOOR
DOMESTIC OVERHEAD
CHAIN or BELT DRIVE
DC MOTOR



LM1000R GARAGE DOOR
OVERHEAD BELT DRIVE
DC MOTOR



RADIO CONTROL
HAND TRANSMITTER



SWING GATES



ART 300 / - 24
SWING GATE MOTOR
240VAC or 24VDC



LYN 300 / 400 / -24
SWING GATE MOTOR
240VAC or 24VDC



SCS 300 / -24
SWING GATE MOTOR
240VAC or 24VDC



SUB 324
UNDERGROUND SWING
GATE MOTOR
24VDC

MAGIC BUTTON PERFORMANCE RANGE

ELECTRONIC CONTROLS



3PH LOGIC METAL BOX
ROLLER SHUTTER LOGIC



LOGICS IN PVC BOX
GATE CONTROL BOX



LOGIC CONTROL
240VAC or 24VDC
GATE CONTROL BOARD



MAGIC BUTTON
RADIO CONTROL
HAND TRANSMITTER

INTENSIVE USE



FAST SLIDE FS10
SLIDE GATE MOTOR



FAST SWING PK25 / 50
SWING GATE MOTOR



BARRIER GATES 930 / 960
BOOM GATE MOTOR



CABLE GATE

OIL BATH / HYDRAULIC MOTORS



OIL BATH
SLIDE GATE MOTOR
240VAC



HYDRAULIC SWING
GATE MOTOR
240VAC

GARAGE DOORS



LIFTMASTER SECTIONAL
GARAGE DOORS



SECTIONAL GARAGE DOOR
HEAVY DUTY MOTOR
240VAC or 3 PHASE 415V