

AUTOMATIC SWING DOOR OPERATOR

MCW-100

A low-profile swing door operator that automates a new or existing pedestrian door — supplied, installed and commissioned by our own team.

1 000 000

OPERATING CYCLES TESTED

24 months

WARRANTY ON THE OPERATOR

24/7

BREAKDOWN LINE · 010 412 0062

The MCW-100 automates a hinged door rather than replacing it. It suits aluminium, framed, timber, metal and glass swing doors, single or double, on a push-arm or pull-arm depending on which side the operator sits.

01 What it is

Automates the door you have

The leaf, frame and hinges usually stay. We assess the leaf, hinges and head fixing before confirming, because width and weight are interdependent.

Push-arm or pull-arm

The arm type follows which side of the door the operator sits on, so the same unit suits either approach. Opening angle adjusts 60 - 110 degrees.

Full or low energy

Low energy runs the leaf slowly enough to suit accessible entrances without a presence sensor on every approach.

Push-and-go, and hand operation

A light manual push starts the motor, so the door opens without a button — and the leaf can always be opened by hand if power is lost.



Offices: a hinged entrance automated in place.



Healthcare: operators mounted on the header.

02 Technical specification

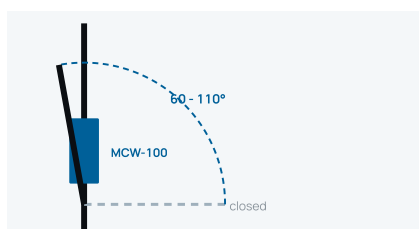
PARAMETER	MCW-100
Maximum door weight	150 kg
Maximum door width	1 200 mm
Opening angle	60 - 110°, adjustable
Opening time	3 - 7 s per 90°, adjustable
Hold-open time	0 - 20 s, adjustable
Motor	55 W brushless DC
Power input	AC 100 - 240 V
Control supply	24 V DC output
Operating temperature	-20 °C to +55 °C
Protection class	IP21
Operator dimensions	475 × 81 × 98 mm
Operator weight	5.5 kg
Configuration	Single or double door; pull-arm or push-arm
Service-life test	1 000 000 cycles
Warranty	2 years on the operator

Door width and weight are interdependent, and the stated limits were tested without wind pressure. Final suitability depends on the leaf, hinges, wind load, opening resistance, arm geometry and installation conditions, and doors operating near the limit should run at reduced speed. We confirm the specification during a technical assessment rather than from a table.

Push-arm, pull-arm and opening angle

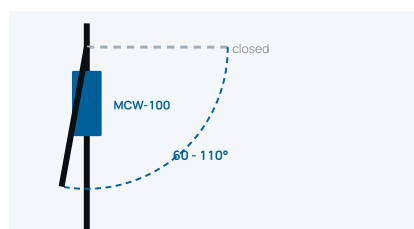
Plan view. The arm type is set by which side of the door the operator sits on. Opening angle adjusts 60 - 110 degrees.

PUSH-ARM



Operator pushes the leaf away from it.

PULL-ARM



Operator pulls the leaf toward it.

The arm type follows which side of the door the operator sits on. Single or double door; suitability is confirmed by technical assessment, not from a table.

03 Control and integration

- **Activation to suit the approach** — floor mat, push plate, motion sensor, touchless sensor, radio control or card reader.
- **Safety sensors hold the leaf** rather than let it close on somebody — a swing leaf moves through occupied space, so presence is detected on both faces, not only on the approach.
- **Full-energy and low-energy** setups both supported.
- **Push-and-go** — a light manual push starts the motor.
- **Manual operation retained** — the leaf can be opened by hand if power is lost.
- **Fire system integration** — the entrance can be wired into the building's fire alarm so it behaves as specified on alarm. What it must do is set by the building's fire strategy and confirmed with the fire consultant or local authority.

04 Why MC Automations

What matters after handover is whether somebody answers, whether the part is on a shelf, and whether anyone still knows how the door was set up.

Service and breakdowns

A 24/7 breakdown line on 010 412 0062, not an office voicemail. Same-day call-outs are a Gauteng service; elsewhere the work is planned. Service agreements available for single sites and portfolios.

Spare parts

Genuine parts for our own range, held in Johannesburg, from the same supply the units are built from. A repair does not wait on an import.

Technical support

Commissioning ends with the settings written down — opening time, hold-open, opening angle and sensor layout — so the baseline can be restored later instead of guessed at.

- **Imported and assembled** at our Laser Park facility. We are not a manufacturer and do not claim to be one.
- **Independent multi-brand servicing.** We service the major brands already installed on site — a service relationship only; we are not an agent or distributor for any manufacturer.
- **Pedestrian entrances only.** We do not supply, fit, retrofit or service door closers.
- **Also from us** — the MC-125 sliding operator, telescopic sliding doors, automatic revolving doors, sensors and spares.

05 Where it is specified

Healthcare and clinics, offices and reception, hotels and hospitality, schools and public buildings, and accessible entrances where a hinged door has to open without being pushed. Also the usual retrofit: an existing door that people struggle with.

NEXT STEP

Send us the door

Leaf size and weight, the frame and hinge type, which side the operator can sit on, and a photograph as it stands today. Every project is quoted in writing.

010 412 0062



SCAN FOR OUR
WEBSITE