AUTOMATIC GATES

TECHNICAL DATASHEET

AYRON

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ROGER TECHNOLOGY

AYRON 250

10-18s | 250 | Warranty | 100% Duty Cycle

Master
1 swing motor with control on board

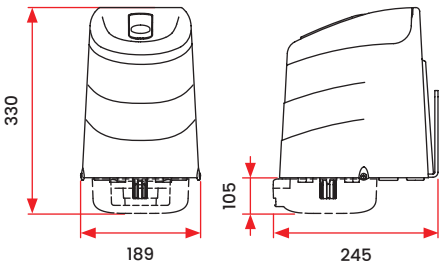
+

Slave
1 swing motor with battery compartment

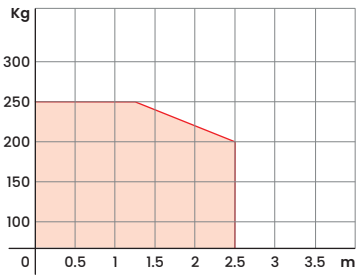
Electromechanical motor **BRUSHLESS HIGH SPEED**, low voltage, super intensive use, with native encoder onboard, irreversible, ideal for swing gates with leaf up to 2.5m length, with mechanical stopper in opening and closing. Complete with digital controller on board.

Variant SKU	Ayron 250
Max Gate Weight	250kg
Max Gate Length	2.5m per leaf
Opening Time at 90°	10-18s
Power Line Supply	230V AC - 50Hz
Motor Supply Voltage	24V AC
Power Rating	160W
Duty Cycle	100% Intensive Use
Thrust	200N
Operating Temperature	-20+55°C
Protection Level	IP43
Reductor Type	Irreversible
Limit Switch	Mechanical stopper in opening and closing
Backup Batteries	Optional, 2 x 12V DC 1.2 Amp/h batteries. (Mounted Internally)
Control Board	B70-2ML
Encoder	Digital encoder + SENSORLESS 48 PPR
Manoeuvre Speed	4 - 1.5 Rpm
Stroke	350-450mm

Dimensions:

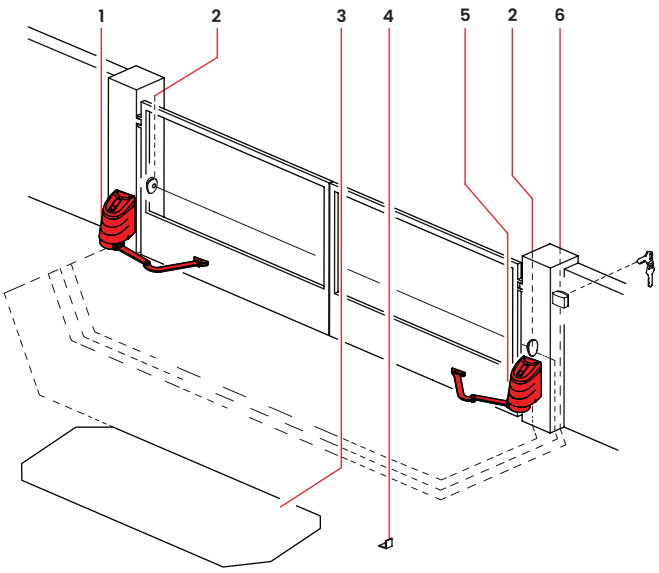


Operating Limits



Typical Swing Gate Set Up

1. Motor (Master)
2. Safety Beam
3. Loop Detector/Probe
4. Gate Stop
5. Motor (Slave)
6. Keypad/Exit Button



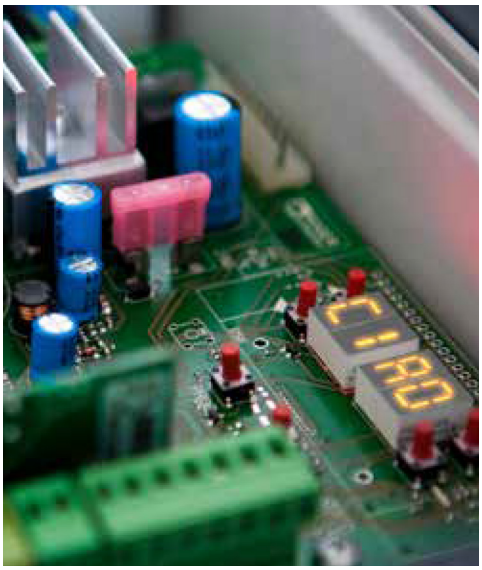
Recommended Accessories:

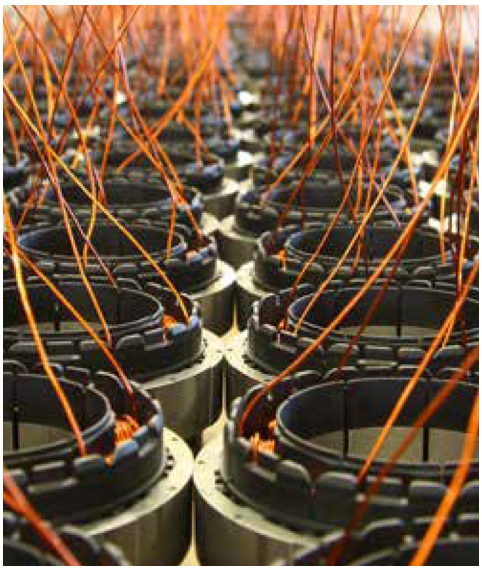
Back-up Battery

Internal Battery Back-up 24V

Ayron Long Arm

Long steel arm for Ayron





- **Brushless Digital Motor**

  Digital brushless motor based on a permanent magnetic field which uses neodymium iron-boron magnets inside the rotor. Extremely compact and operates at normal ambient temperature, making it suitable for extremely intensive use and extraordinarily energy efficient.

- **Master Motor with Integrated Digital Controller**

  The Ayron articulated arm motor offers brushless digital controller, fully integrated and very compact in shape. Positioned inside the master version to have total control in safety and elegance of the motor even in High-speed mode.

- **Slave Motor with Integrated Battery Housing**

  The Ayron offers you the possibility of housing back up batteries directly inside the Slave engine.

- **Articulated Steel Arm**

  Automate the swing motor with articulated arms in the short, long and telescopic version. All thanks to the use of top-quality steel with thicknesses designed to last.

- **Internal and External Manual Release Lever**

  Ayron offers two release modes. One internal, lever operated and one external, cord operated. It is designed to guarantee the unlocking of the automation internally and externally in the event of a blackout.

- **Column Fixing Bracket**

  Minimum fixing distance of 90mm on the column by using the 5mm thick steel bracket.

- **Adjustable Crown Limit Switch**

  Ayron's opening and closing position is adjusted by mechanical multi- position limit switches, which are fixed directly into the plate in an adjustable crown system.

- **Super Intensive Use**

  Operates at low voltage with a 100% duty cycle, maintaining low energy consumption.

- **Sustainablity**

  Roger Technology is a green customer-centric company dedicated to creating sustainable products through environmentally responsible production processes, innovative technologies, and a culture that prioritizes the health, safety, and development of its workers and customers.

AUTOMATIC GATES

Creating custom made gates for nearly 60 years

Automatic Gates designs and custom manufactures wrought iron, aluminium and timber gates for both the residential and commercial market.

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