

FALCON

m5 m8 m424

THE GUARDIAN OF YOUR TERRITORY

- FALCON M5 - M8 - M424 are non-reversible electro-mechanical gearmotors made to last long.
- The gearmotor body in aluminium painted with polyester powders and the protective housing in ABS make it a pleasing, solid and safe product.
- The practical release system, allows be spotted immediately and to be activated only by a lock with a personalised key.
- Magnetic limit-switch designed by Genius, entirely protected.
- The gearmotors have a pre-wired board with transparent protection and programming push-buttons outside the cover, as well as a rotating board-support to facilitate access during programming.

THE IMPORTANCE OF PRECISION AND SAFETY

- The use of the encoder (optional) gives the exact position of the gate during its entire movement and, in case of impact, leaf movement can be reversed.
- The "C" versions, with Genius control board, have easy-to-understand on-display programming. A set of functions such as the electronic clutch, the slow-downs, braking, and separate inputs for accessories, put it at the top of the market.

FIELD OF APPLICATION

- Available in several versions: 230V / 115V / 24V



- Models for sliding gates with weight up to 800 kg.
- The 24V version for intensive use can be supplied (optional) with integrated buffer batteries.
- The 24V version with built-in control board, included the encoder.

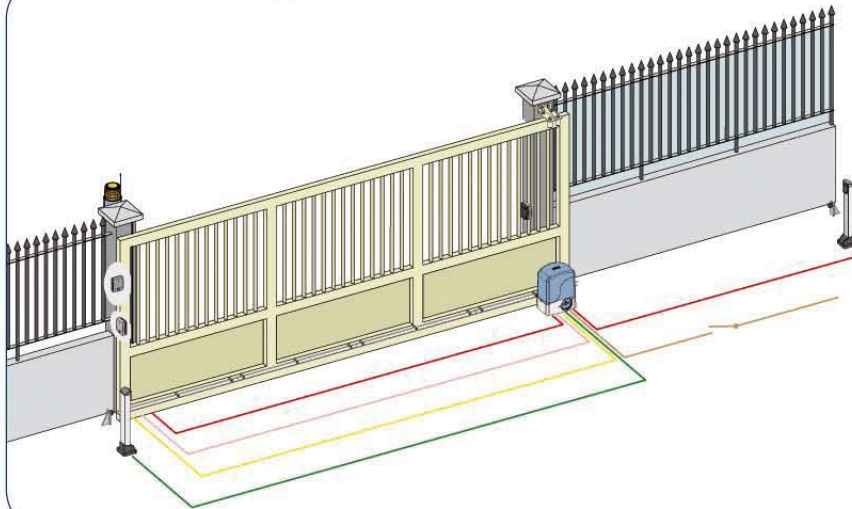
DIMENSIONS



Power supply 24V recommended for an intensive use.

Model	Version
Falcon M424	Non-reversible, 24Vdc, max. 400 Kg
Falcon M424 C	Non-reversible, 24Vdc, max. 400 Kg with integrated control board
Falcon M5	Non-reversible, max. 500 Kg
Falcon M5 C	Non-reversible, max. 500 Kg with integrated control board
Falcon M8	Non-reversible, max. 800 Kg
Falcon M8 C	Non-reversible, max. 800 Kg with integrated control board

Electric wiring scheme



Line	3x1,5 mm ²
Motor*	4x1,5 mm ²
Blinker	2x1,5 mm ²
Key-operated selector	2x0,5 mm ²
Tx photocells	2x0,5 mm ²
Rx photocells	4x0,5 mm ²
BUS connections	2x0,5 mm ²

*For 24Vdc motor, use thread from 2x2,5mm²
- distance max. between motor and the control board 10m.

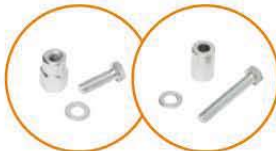
ACCESSORIES



RACK

RACK 1 meter in galvanized iron, 30 x 12 mm, module 4 without fittings. (6 m package). Price per meter.

RACK 1 meter in nylon with steel core, 30 x 12 mm, module 4 without fittings. For gates with weight up to 500 kg (6 m package). Price per meter.



SPACERS

KIT of 18 spacers and securing screws M8x30, for welding, 6 meters of iron rack.

KIT of 18 spacers and securing screws M8x50, for screwing, 6 meters of iron rack.



SCREWS

KIT of 24 securing screws, for 6 meters of nylon rack.



ENCODER

ENCODER with revs measurement on the input shaft, for greater control of forces, and reverses motion in case of impact. Raised repetition of positioning during opening/closing stops.



BATTERY KIT

Battery kit to be placed on board for FALCON M424

CONTROL BOARDS



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Technical specifications	Falcon M424	Falcon M5	Falcon M8
Power supply (Vac)	24		230
Power [W]	70	350	500
Current [A]	3	1.5	2.2
Heat protection (°C)	-		140
Capacitor (µF)	-	10	12.5
Max. torque [Nm]	13.5	18	24
Thrust on pinion [daN]	40	45	65
Type of pinion gear	Z16 mod. 4		Z16 mod. 4
Max. gate weight [Kg]	400	500	800
Speed [m/min]	12		12
Type and frequency of use at 20 °C	100%	S3 - 30%	S3 - 40%
Indicative hour cycles at 20°C ⁽¹⁾	≥72	≥24	≥28
Operating ambient temperature	-20°C +55°C		-20°C +55°C
Operator weight [Kg]	11	10	11
Protection class	IP44		IP44

(1) number of cycles for a 5 m length large gate, installed correctly at the dimensions indicated in the installation instructions and without slow-downs.