

GENIUS

# FALCON

5 8 14 20 424

GENIUS

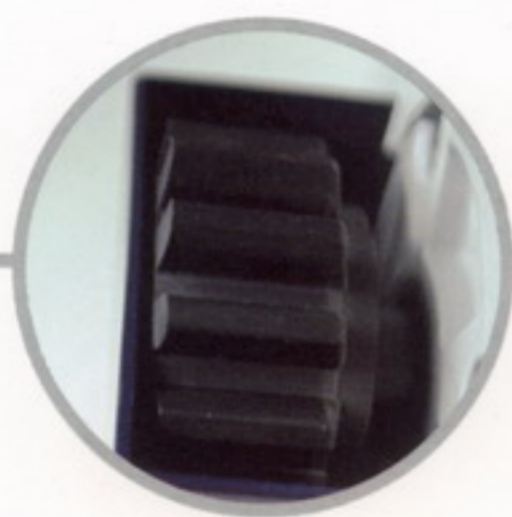


# A large family

# Built on important values

A wide range of gearmotors for **sliding gates**, with a new attractive design, the result of **Genius's** on-going research and technological development.

The **Falcon** family is the innovative, full scale answer to all users who demand **functionality** and easy installation.



GENIUS



FALCON

5 8 14 20 424

Gearmotor for sliding gates

# FALCON

Research +

technology +

reliability =

## added value

Falcon is a winning product created to outrun competitors.

In a face-to-face clash, it wins through its reliability, performance and use frequency. It puts up with the severest conditions thanks to its sturdy structure, the quality of Genius components, and the value of the protective treatments.



# Good products: made to last long



## Quality and long-life

The fully painted aluminium enbloc underpins the sturdiness of Falcon gearmotors - the protected internal parts ensure quality and long-life.



## Technology aimed at simplicity



No connection and programming problems. The prewired electronics are protected by a functional transparent cover mounted on a rotating support for easy, ergonomic access. Programming can be done without having to remove the cover, thanks to push-buttons located outside the cover.

## Powerful and uninterrupted service

Falcon gearmotors do not 'feel' effort and fatigue. The exceptional operational continuity is an important characteristic common to all the products in this family. Falcon is Tireless: it starts at every command, covers more meters than its competitors and wins in terms of reliability and use frequency.



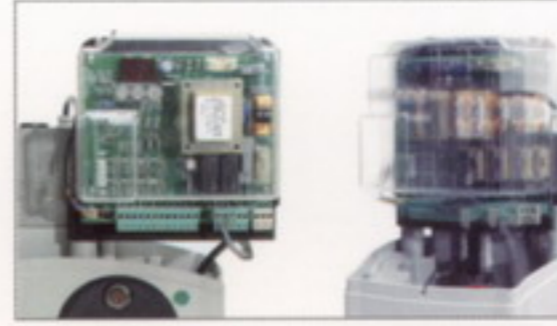
**Falcon: Starts at every command**





# The details make the difference.

**Important:**  
wiring and programming difficulties cause greater risks as well as long and costly installation.



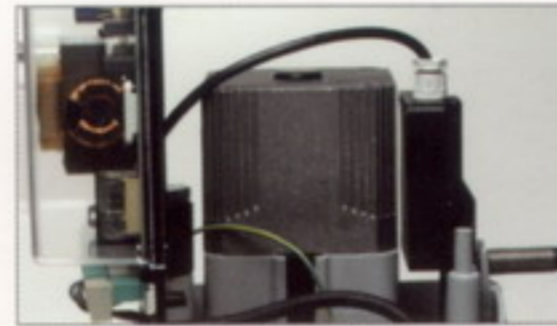
**The Genius solution:**  
The Falcons are equipped with a prewired board with rotating support, a transparent cover and external programming push-buttons.

**Important:**  
the base secured with only 2 screws, can compromise the gearmotor stability.



**The Genius solution:**  
a sturdy protected fastening inside the enclosure, with 4 screws and slots, provides excellent stability and adjustment to the gate.

**Important:**  
if the electric motor is not protected against aggression by atmospheric agents, this may cause short-circuits and shorten the product life.



**The Genius solution:**  
the electric motor is fully protected guaranteeing efficient operation, safety and long-life.

**Important:**  
activating the manual release can be complicated and difficult.



**The Genius solution:**  
a practical manual release. You can spot it straightaway, and it can only be activated with a customised key.

**Important:**  
restricted internal space for cable routing makes installation and connection operations more difficult and slower.



**The Genius solution:**  
generous work space for cable routing facilitates connection and installation operations.

**Important:**  
A fragile, insufficiently protected limit-switch creates risks of operational reliability.



**The Genius solution:**  
the fully protected limit-switch system ensures high tripping reliability.

**Important:**  
no protection on the output shaft which supports the external pinion



**The Genius solution:**  
the special coating on the shaft supporting the pinion protects against oxidation.



## Genius for your safety

## The value of choice

A wide range: all models can be supplied with or without an on-board prewired control unit.

The "C" versions offer: a built-in GENIUS control unit, on-display programming, electronic clutch, decelerations and braking.

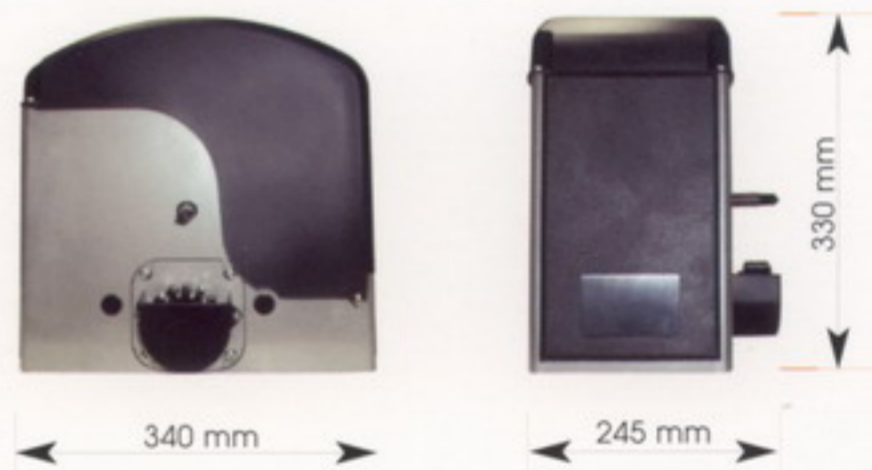
By using the **encoder** (optional item), the exact position of the gate is assured during its entire movement, as well as a high level of safety.

Model	Version
Falcon 5	230V for gates weighing up to 500 Kg
Falcon 8	230V for gates weighing up to 800 Kg
Falcon 424	24Vdc for gates weighing up to 400 Kg
Falcon 14	230V for gates weighing up to 1400 Kg
Falcon 20	230V for gates weighing up to 2000 Kg

Falcon 5 - 8 - 424 (dimensions)



Falcon 14 - 20 (dimensions)



TECHNICAL SPECIFICATIONS	FALCON 5	FALCON 8	424 	FALCON 14	FALCON 20
POWER SUPPLY (Vac)	230		24	230	
POWER (W)	350	500	70	650	800
THERMAL PROTECTION (°C)	140		-	140	
MAX TORQUE (Nm)	18	24	13,5	35	45
PINION TYPE	Z16 MOD. 4		Z16 MOD. 4	Z16 MOD. 4	
MAX DOOR WEIGHT (Kg)	500	800	400	1400	2000
USE TYPE AND FREQUENCY AT 20 °C	S3 - 30%	S3 - 40%	100%	S4 - 40%	S4 - 40%
PROTECTION CLASS	IP44		IP44	IP44	

Special versions available for low temperatures.  
Genius technology is not afraid of cold.

# Easy Security

On-going research and development have broadened the range of products on offer.

Genius is a constantly evolving company, able to satisfy the needs of any type of automated system for gates.

Genius responds to market expectations, by offering the best alternatives for quick and easy installations, without overlooking design and construction quality.

The safety of the installation, achieved through use of Genius products is also an important factor to be considered when selecting an automated system.

Built to last long.

A family, an excellent product range that has no fears in facing up to competition.

**GENIUS**  
GATE AUTOMATION

GENIUS s.r.l. - via Padre Elzi, 32

Grassobbio 24050 (Bergamo-Italia)

PH. 0039 035.4242511 FAX 0039 035.4242600

WWW.GENIUSG.COM INFO@GENIUSG.COM

FAAC group



**You**  
are genius.



## THE PLEASURE OF CHOOSING



AUTOMATIC SYSTEMS FOR SLIDING GATES



RADIOCONTROLS ELECTRONIC DEVICES



UNDERGROUND AUTOMATIC SYSTEMS FOR SWING LEAF GATES



AUTOMATIONS FOR COUNTERBALANCED UP-AND-OVER DOORS, SPRUNG AND SECTIONAL DOORS



EXTERNAL AUTOMATIC SYSTEMS FOR SWING LEAF GATES



AUTOMATED SYSTEMS FOR RESIDENTIAL USE