Automation for doors

Open and close in absolute comfort

FAAC
Simply automatic.

CENTURION

Contents

Why CENTURION?

Centurion Systems is South Africa's leading innovator in the field of access automation, with hundreds of thousands of gate control and associated automation solutions installed in the field.

As of July 2016, CENTURION is part of the biggest access automation brand in the world, FAAC, S.p.A. This relationship has enabled both organisations to add significantly to their existing product offerings and serve ever more diverse markets in the realms of domestic, commercial and industrial access automation.

As with products of CENTURION's own manufacture, all offerings in the FAAC stable are backed up by world-class after-sales support with readily available spares, competent technical advice and the knowledge and expertise that come with over 30 years of manufacturing South Africa's favourite gate motors.

When you choose CENTURION for your FAAC automation solutions, you can be confident of a brand that:

- Is the South African market leader in access automation
- Is part of the largest access automation brand in the world
- Promises uncompromising reliability
- Has sold over 700 thousand units of its world-renowned D5 sliding gate operator
- Is sold in over 70 countries worldwide
- Manufactures award-winning customisable products and solutions

Introduction to FAAC

The FAAC Group designs, manufactures and distributes the most secure, innovative and functional solutions worldwide for every pedestrian and vehicular need: automatic access; parking; access control.

The FAAC Group best satisfies the service and reliability needs of residential, commercial and industrial clients.

The FAAC Group makes the city move, creating automation that simplifies the lives of those who live there.

The values of the FAAC Group:

Quality
Quality of raw materials and manufacturing processes, performed completely within the Group to maintain the value and functionality of products, without compromise.

Safety and reliability
Long-term reliability of all products and scrupulous respect for international safety standards to ensure total security for end-users.

CUSTOMER satisfaction
Customer satisfaction, sought from the earliest planning stages, to allow those who use our solutions to benefit, in accordance with their daily needs.

Passion and research on essential elements
Working with passion and constant attention to the essential elements and functionality of the product, aimed at meeting clients' expectations and respecting the philosophy of the FAAC Group.

AUTOMATION FOR DOORS 950N

FAAC-950N

■ Open and close in absolute silence

The FAAC 950N automated system with integrated spring commands door opening and closing in near silent operation.

■ Versatile and elegant

The FAAC 950N automated system (with spring closing system) can be installed both on the lintel and directly onto the structure of the door. It guarantees perfect compatibility and interchangeability with previous 950BM/BSM models.

The housing covering the automated system can be supplied in anodised aluminium or in moulded ABS in an innovative design, making it possible to fit a passive infrared detection sensor inside it. The 950N automated system is also able to automate double-leaf entrances by interfacing the two units in a master/slave configuration and the double leaf will be moved by a single automated system.

■ Safe and intelligent

The automated system features two control boards: 950MPS control board and 950 I/O (input / output). A microprocessor controls all the activities of the door in real-time and an encoder detects its angular position. Moreover, the operating logic (automatic, manual, night, open) can be selected by means of an integrated selector.

Built in conformity with the new European safety standards, speed and force are programmed according to the size of the door. If an obstacle is detected, the door re-opens immediately and, as it closes, it verifies, at slow speed, the removal of the obstacle.

New articulated arm with telescopic adjustment in anodised aluminium

New arm with sliding block in anodised aluminium

■ Powerful and reliable

Thanks to the accurate selection of the mechanical and electronic components, depending on the leaf length and arm used, our 950N automated system is able to move leaves weighing over 300 kg on continuous duty, while always maintaining absolute operational safety.

Thanks to the calendar management, the system can be programmed in time bands. (available with KP EVO keypad)

FAAC remote controls

KP EVO Controller Function Selector

Selectable ANTI-WIND function (ensures the resistance of the door during closure even with strong wind).

MODEL	950N
Power supply	220-240V AC~ - 50/60 Hz
Absorbed power	100 W
Use frequency	continuous
Drive unit	24V DC motor with encoder
Activation	electro-mechanical with/with-out return spring
Anti-crushing device	standard supply
Dimensions	530 x 100 x 104 mm (LxHxD)
Weight	10 kg
Protection class	IP 23
Opening angle	70° to 95°
Opening speed	adjustable from 30% to 100%
Closing speed	adjustable from 30% to 100%
Pause time	adjustable from 1 to 30 sec.
Standard operating functions	automatic-manual-open
Activation arms in stainless steel	Articulated to push With short sliding block With standard sliding block
Housing cover	Aluminium or Plastic

■ Automatic adjustments

Determination of position: "open" and "closed"
Measurement of the weight and friction of the leaves.

Selection of optimal speed, acceleration and deceleration Photocell test and arm used on our 950N automated system is able to move leaves weighing over 300 kg on continuous duty, whilst always maintaining absolute operational safety.

safe zone · green tech · EN16005

FAAC ENTRANCES & AUTOMATIC DOORS · CENTURION

FAAC - A951

The housing cover is made from anodised aluminium that complements its aesthetics. The A951 automated system is also able to automate double-leaf entrances by interfacing the two units in a master/ slave configuration. The double leaf will be driven by a single automated system for the highest degree of synchronisation of the leaves guaranteed through CAN BUS communication.

■ Open and close in absolute comfort

The FAAC A951 automated system controls door opening and closing with silent and smooth operation. It allows users to easily open doors via a button, sensor or a remote control. Thanks to the PUSH&GO function, just a touch completely opens the door.

■ Versatile and elegant in only 7cm space

The FAAC A951 automated system can be installed both on the lintel and directly onto the structure of the door, providing flexibility and easy installation (thanks to the fixing plate and low weight).

■ Safe and intelligent

The A951 features a microprocessor controlling all the door activities in real-time, with an encoder detecting its angular position in every moment.

Additionally, the operating logic (automatic, manual, night, open) can be selected by means of a lateral selector. Manufactured in compliance with the new European safety standards EN16005, the A951 automated system can operate in low energy or manage EN16005 radar monitoring such as the new laser sensor XPB SCAN.

Thanks to the calendar management, the system can be programmed in time bands. (available with KP EVO keypad)

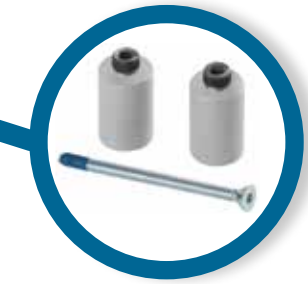
Programming display with three keys and USB

Emergency Battery

KP EVO Keypad

LK EVO Keypad

Opening through FAAC remote controls



Extension shaft 35+35 mm (accessory)

Communication board

MODEL	A951
Power supply voltage	220-240V AC~ - 50/60 Hz
Max. Power	100 W
Use Frequency	100 W
Motor	Motor powered at 24V
Max. accessories load	1A - 24V
Electric lock power supply voltage	(N.O./N.C.) 24V / 500mA max
Dimensions (LxHxD)	575x60x70 mm
Weight	7Kg
Operation in case of power cut	Manual push/pull opening
Max Leaf opening angle	100° to 125°
Opening leaf time	4 to 10 s (adjustable)
Closing leaf time	4 to 10 s (adjustable)
Partial opening adjustment	Standard (adjustable)
Pause time	0 to 30 s
Night pause time	0 to 90 s
Encoder	As standard
Protection Sensor monitoring	As standard (may be excluded)
Low energy movement	As standard (may be excluded)
Operating ambient temperature	-20°c to +55°C
Protection class	IP 23 (for internal use only)
Compliance with regulations	EN16005; EN61000-6-2; EN61000-6-3 ; EN13849

■ Silent and low energy consumption

Thanks to the accurate selection of mechanical and electronic components, the A951 automated system can silently drive leaves weighing up to 100 kg on continuous duty, ensuring absolute operating safety at all times and offering significant energy savings both during stand-by and operation.

safe zone green tech EN16005

Quality has rules

Made in Italy

Performance, reliability and price are the basic requirements behind all FAAC products.
To maintain the same high quality levels that have always characterised our products, FAAC has invested consistently in technology, advanced production methods and organisation. All personnel in our organisation are committed to respecting our corporate policies and values on a daily basis, and to the continuous improvement of every activity performed within the FAAC Group.

Certification is as important as innovation.
FAAC and certification go hand-in-hand. For one, FAAC's Quality Management System is certified to UNI EN ISO 9001:2008.

The most important certification is our DNA.
Our trademarks, patents and certifications all testify to and confirm FAAC's unique business philosophy, which we have always considered "the most important certification of all".

Continuous commitment to component and product quality, careful selection of suppliers, and scrupulous production process quality control, since 1965 have made the FAAC brand a worldwide by-word for high quality, reliability, conformity to standards and end-user safety.


Certificato

kiwa

Certificato del Sistema di Gestione per la qualità
ISO 9001:2008

FAAC S.p.A. Unipersonale


STATEMENT OF CONFORMITY

Nemko

Model/type	A100 COMPACT 2
Data	230 V – 50 Hz – 100 W
Additional information	Trademark FAAC
The tested equipment was found complying with the requirements	Durability test - 2.000.000 cycles Customer request based on DIN 18650-1:2005-12, sub-clause 7.1.2
Results of performed tests are shown in the test report(s)	Nemko SpA – 128092TRFSAF issued 2009-05-14

SAFE & GREEN. The symbols of innovation.

SAFEzone. Everything is simpler, everything is safer.

With SAFEzone, FAAC identifies systems conducive to more convenient installation of automation systems in compliance with the requirements of the European Directive currently in force (Machinery Directive 2006/42/EC) on safety.

SAFEzone systems are FAAC solutions that use new electronic control boards to permit not only the installation of fully-compliant systems but also the upgrading of existing FAAC installations to comply with the latest standards, without having to replace the automated systems themselves.

In particular, the A1000 and A1400 AIR RD automated systems are compliant with the new European Standard EN16005 and its provisions on safety of use. Specifically, the A1400 AIR RD is certified by TüV as an automated system for doors on escape routes.

As well as attesting to the well-known level of safety in leaf movement management, thanks to the use of precision encoders, these systems have been further enhanced with new features, such as the LOW ENERGY movement (low-kinetic energy level movement, which is not considered dangerous by the EN16005 Standard even in the event of accidental impact) and the management of the new range of FAAC MONITORED sensors.

SAFE & GREEN is FAAC's proposal for a new approach to the world of automation.

FAAC launches new solutions and systems that are able to respond effectively to the following important issues:

- the safety of automation systems in compliance with the requirements of European Directives and regulations in force
- the reduction of energy consumption, for reduced environmental impact and consequently cost savings for the end-user

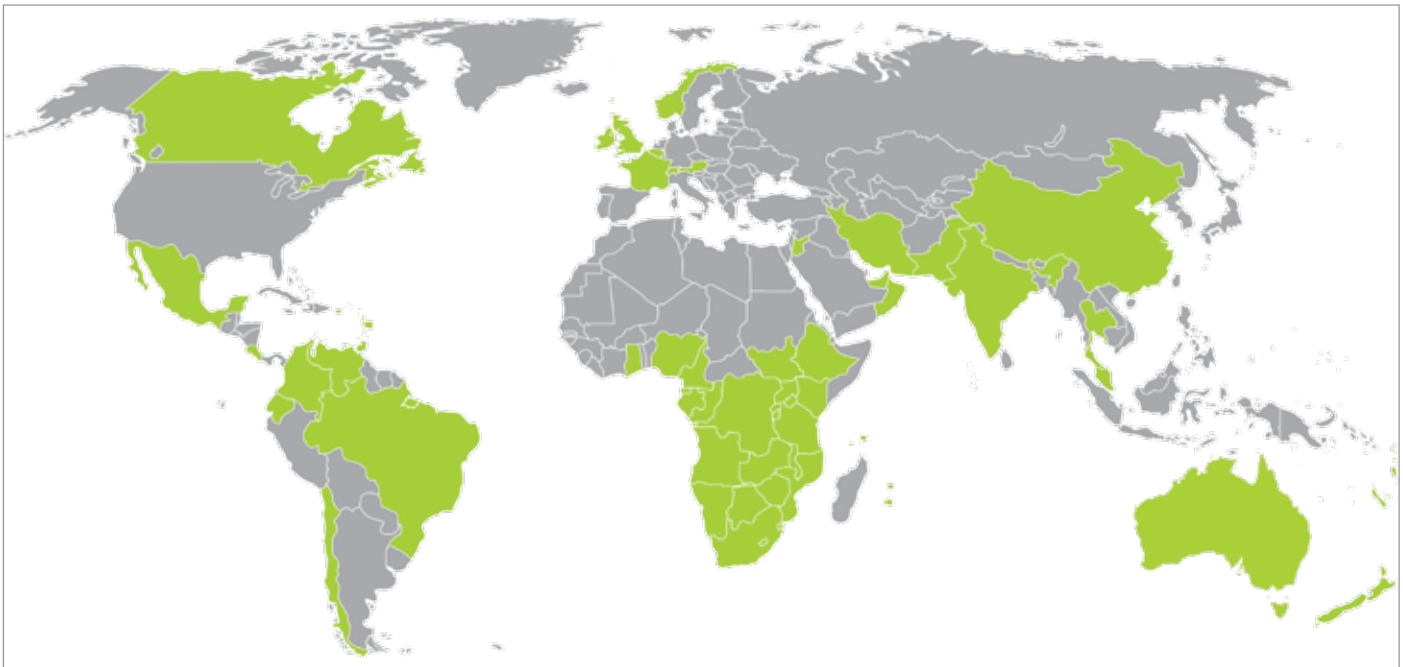
GREENtech: the most natural choice to save energy.

With GREENTECH, FAAC identifies systems and/or devices which are a combination of the latest generation electronic control boards and mechanical innovations and innovative patented solutions that allow a significant reduction of energy consumption and on-going installation running costs such as:

- use of switching power supply devices with very high efficiency instead of traditional laminated or toroidal transformers on the control boards;
- opening and closing time optimising systems (Energy Saving) of pedestrian ways (automatic doors)
- control units that can enable stand-by modes to reduce power consumption when the automatic system is not in operation;

The aim is increased environmental friendliness and tangible advantages for the end-user, stemming from the quantifiable reduction in energy costs for managing the automation system. All of the above innovations are achieved without jeopardising the high performance level of FAAC automated systems.

GLOBAL FOOTPRINT



Centurion Systems currently exports its solutions to over 70 countries worldwide, and offers sales and technical support to Africa, Europe, Asia, the Americas, Australia and the Pacific

HEAD OFFICE

Centurion System (Pty) Ltd
Unit 13 Northlands Production Park
Intersection Epsom Avenue and
New Market Street
North Riding
Johannesburg
P O Box 506
Cramerview
2060
South Africa

Tel: +27(0)11 699 2400
Fax: +27(0)11 704 3412

WEST AFRICA BRANCH

Centurion Systems West Africa Limited
196a Isale Eko Ave
Dolphin Estate
Ikoyi
Lagos
Nigeria

Tel: +234(1) 463 3115

SOUTH AFRICAN BRANCHES

Bloemfontein	+27(0)51 430 0870
Cape Town	+27(0)21 510 0951
Durban	+27(0)31 701 9583
Johannesburg East Rand	+27(0)11 894 2932
Nelspruit	+27(0)13 752 8074/5
Port Elizabeth	+27(0)41 367 1292
Pretoria	+27(0)12 349 1745

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facebook.com/CenturionSystems | YouTube.com/CenturionSystems | Twitter@askCenturion

0860 0860 236 887

Technical support line: 0861 003 123 (Monday - Friday: 07h00 - 18h00, Saturday: 8h00 - 13h30)

www.centsys.com

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