

## STANDARD FUNCTIONS

- Operating logics: AUTOMATIC - OPEN - MANUAL/NIGHT
- Self-learning of open and closed positions and measurement of the door weight
- Anti-crushing safety device active during opening and closing
- **"PUSH and GO"** function, can be selected (commands opening by a simple push on the door)
- **"ANTI-WIND"** function, can be selected (guarantees the resistance of the door during closure even with strong wind)
- **Closing thrust to guarantee door closure even with strong wind**
- **AVS (Anti Vandal System) function: this device protects the motor if leaf movement is forced**
- Manual operation in case of an electrical power cut
- Adjustment trimmer for: opening speed, closing speed, pause time
- Facility for: microwave radar, passive and active infrared sensor, command push-buttons, photocells, electric locks, bolt, KP Controller programming unit, FAAC radio controls.

If you use the KP Controller or SDK Light function keypad, you obtain the following functions:

- Operating logics:  
AUTOMATIC - MANUAL - OPEN - ONE WAY - NIGHT - PARTIAL OPENING - DIAGNOSIS WITH A WIDE RANGE OF SIGNALS
- If you use the KP Controller keypad, coupled to the programming display, you obtain the following functions:
- Adjustment of opening and closing speed
- Pause time adjustment
- Opening width adjustment
- Interlock function
- Master-Slave function for double-leaf door
- Facility for acoustic or light transit signallers
- Self-diagnosis.



Programming display



KP Controller function keypad



SDK Light function keypad



Function selector



Arm with sliding block



Articulated arm to push



Housing in anodized aluminium

### HEADQUARTERS

#### ITALY

FAAC SpA  
Via Calari 10 - 40069 Zola Predosa (BO)  
Tel. +39 051 61724 - Fax +39 051 758518  
it.info@faacgroup.com - www.faacgroup.com

### SUBSIDIARIES

#### AUSTRALIA

FAAC AUSTRALIA PTY LTD  
Homebush - Sydney, Australia  
tel. +61 2 87565644  
fax +61 2 87565677  
www.faac.com.au

#### AUSTRIA

FAAC GMBH  
Salzburg, Austria  
tel. +43 662 8533950  
fax +43 662 85339525  
www.faac.at

#### FAAC TUBULAR MOTORS

tel. +49 30 56796645  
fax +49 30 22409006  
faactm.info@faacgroup.com  
www.faac.at

#### BENELUX

FAAC BENELUX NV/SA  
Brugge, Belgium  
tel. +32 50 320202  
fax +32 50 320242  
www.faacbenelux.com

#### FAAC TUBULAR MOTORS

Schaapweg 30  
NL-6063 BA Vlondrop, Netherlands  
tel. +31 475 406014  
fax +31 475 406018  
faactm.info@faacgroup.com  
www.faacbenelux.com

#### CHINA

FAAC SHANGHAI  
Shanghai, China  
tel. +86 21 68182970  
fax +86 21 68182968  
www.faacgroup.cn

#### FRANCE

FAAC FRANCE  
Saint Priest - Lyon, France  
tel. +33 4 72218700  
fax +33 4 72218701  
www.faac.fr

#### FAAC FRANCE - AGENCE PARIS

Massy - Paris, France  
tel. +33 1 69191620  
fax +33 1 69191621  
www.faac.fr

#### FAAC FRANCE - DEPARTEMENT VOILETS

Saint Denis de Pile - Bordeaux, France  
tel. +33 5 57551890  
fax +33 5 57742970  
www.faac.fr

#### GERMANY

FAAC GMBH  
Freilassing, Germany  
tel. +49 8654 49810  
fax +49 8654 498125  
www.faac.de

#### FAAC TUBULAR MOTORS

tel. +49 30 56796645  
fax +49 30 22409006  
faactm.info@faacgroup.com  
www.faac.de

#### INDIA

FAAC INDIA PVT. LTD  
Noida - Delhi, India  
tel. +91 120 3934100/4199  
fax +91 120 4212132  
www.faacindia.com

#### IRELAND

NATIONAL AUTOMATION LTD  
Co. Roscommon, Ireland  
tel. +353 71 9663893  
fax: +353 71 9663890  
www.nal.ie

#### MIDDLE EAST

FAAC MIDDLE EAST FZE  
Dubai Silicon Oasis Operation Center - Dubai, UAE  
tel. + 971 4 3724190  
fax+ 971 4 3724191  
www.faac.ae

#### NETHERLANDS

KEMKO BV  
Doetinchem, Netherlands  
tel. +31 314 378777  
fax +31 314 362224  
www.kemko.nl

#### NORDIC REGIONS

FAAC NORDIC AB  
Perstorp, Sweden  
tel. +46 435 779500  
fax +46 435 779529  
www.faac.se

#### POLAND

FAAC POLSKA SP.ZO.O  
Warszawa, Poland  
tel. +48 22 8141422  
fax +48 22 8142024  
www.faac.pl

#### RUSSIA

FAAC RUSSIA  
Moscow, Russia  
tel. +7 (495) 646 24 29  
www.faac.ru

#### SPAIN

CLEM, S.A.U.  
San Sebastián de los Reyes - Madrid, Spain  
tel. +34 91 3581110  
fax +34 91 7293309  
www.faac.es

#### SWITZERLAND

FAAC AG  
Altdorf, Switzerland  
tel. +41 41 8713440  
fax +41 41 8713484  
www.faac.ch

#### TURKEY

FAAC OTOMATİK GEÇİŞ SİSTEMLERİ LTD. ŞTİ.  
SAN. VE TİC. LTD. ŞTİ.  
İstanbul, Turkey  
tel. +90 (0)212 - 3431311  
www.faac.com.tr

#### UNITED KINGDOM

FAAC UK LTD.  
Basingstoke - Hampshire, UK  
tel. +44 1256 318100  
fax +44 1256 318101  
www.faac.co.uk

#### U.S.A.

FAAC INTERNATIONAL INC  
Jacksonville, FL - U.S.A.  
tel. +1 904 4488952  
fax +1 904 4488958

FAAC INTERNATIONAL INC  
Fullerton, California - U.S.A.  
tel. +1 714 446 9800  
fax +1 714 446 9898  
www.faacusa.com



## 950N

Automated system for swing doors

## Automated systems for leaf doors

### Open and close in absolute silence

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

### Versatile and elegant

The Faac 950N automated systems (with spring closing system) can be installed both on the lintel and directly on the structure of the door. They guarantee perfect compatibility and interchangeability with previous 950BM/BSM models. The housing covering the automated system can be supplied in anodized extruded aluminium or in shaped ABS in an innovative design making it possible to fit a (passive infrared) detection sensor inside it.

The 950N automated systems are also able to automate double-leaf entrances by interfacing the 2 units in a master/slave configuration and the double leaf will be moved by a single automated system.

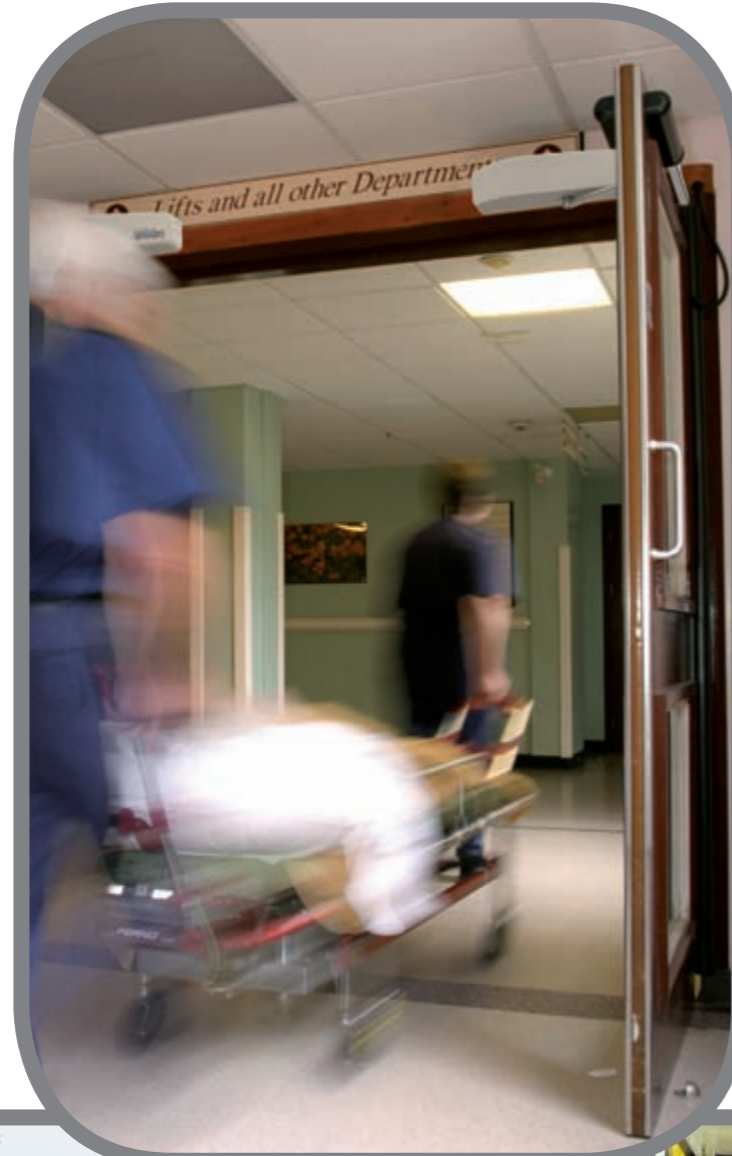
### Safe and intelligent

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.

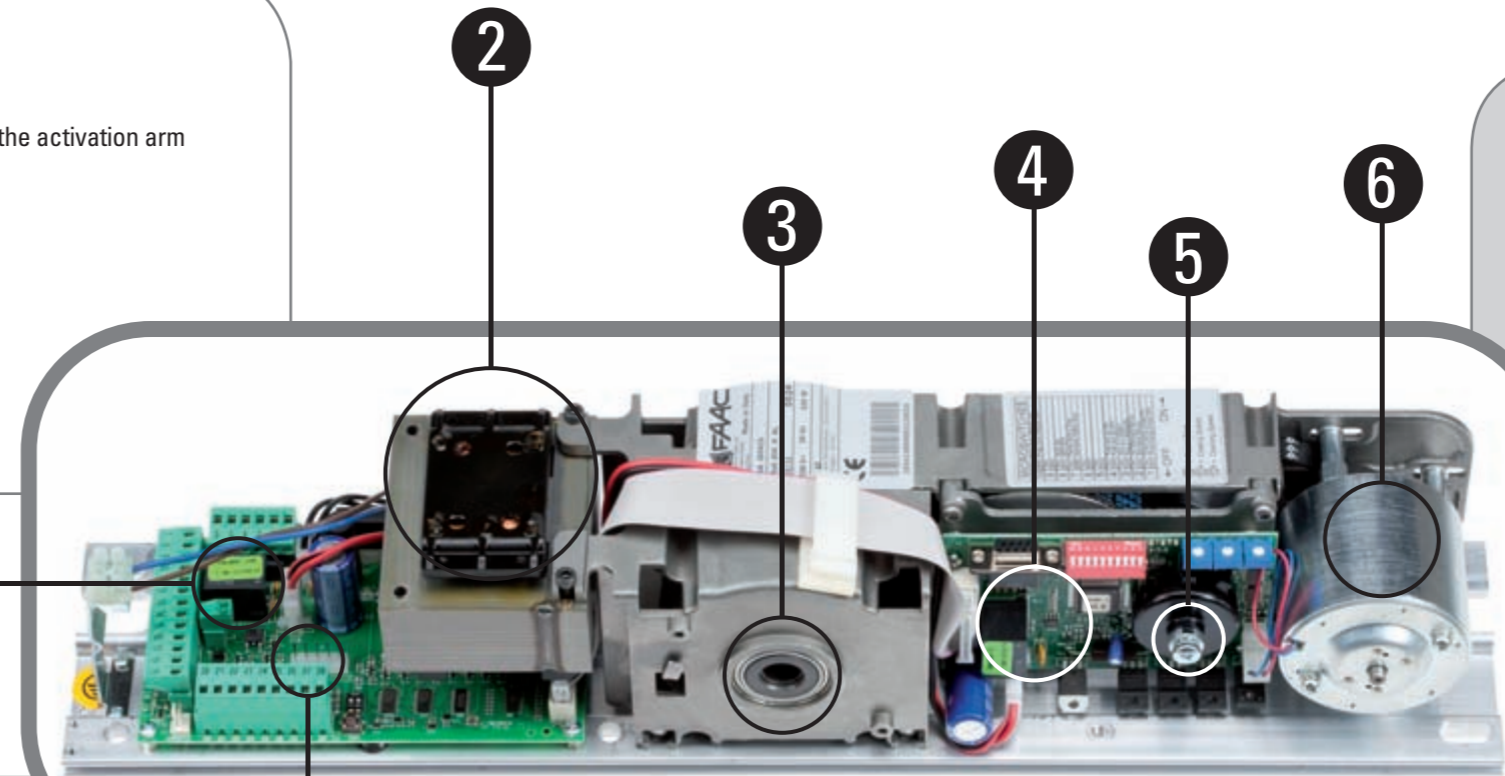
Built in conformity with the new European safety standards, speed and force are programmed according to the size of the door. If an obstacle is detected, the door re-opens immediately and, as it closes, it verifies, at slow speed, the removal of the obstacle.

### Powerful and reliable

Thanks to the accurate selection of the mechanical and electronic components, depending on 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.



- 1 Control unit 950 I/O
- 2 Lamellar transformer
- 3 Return spring with coupling for the activation arm
- 4 Control unit 950MPS
- 5 Encoder
- 6 DC motor
- 7 Radio receiver coupling



### 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



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



New articulated arm with telescopic adjustment in anodized aluminium



New arm with sliding block in anodized aluminium



### Technical specifications

### 950N

Power supply	230 Vac (+6% -10%) 50 (60) Hz
Absorbed power	100 W
Use frequency	continuous
Drive unit	24 Vdc motor with encoder
Activation	electromechanical with/without 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° ÷ 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
Covering housing	in abs or aluminium

Thanks to the calendar management, it can be programmed in time bands. (available with KP Controller keypad and display)

## Use

Model	Leaf length (mm)	Leaf max. weight (kg) Articulated arm to push	Leaf max. weight (kg) Arm with short sliding block	Leaf max. weight (kg) Arm with standard sliding block
950N	700	367	286	-
	750	320	249	-
	800	281	219	-
	850	249	-	194
	900	222	-	173
	950	199	-	155
	1000	180	-	140
	1050	163	-	127
	1100	149	-	116
	1150	136	-	106
	1200	125	-	97
	1250	115	-	90
	1300	107	-	83
	1350	99	-	77
1400	92	-	71	