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950 BM

Automated systems for leaf doors

FAAC
Simply automatic.

Automated systems for leaf doors

Open and close in absolute silence

The 950 automated systems command door opening and closing in absolute operating silence.

Versatile and elegant

The automated system FAAC 950 BM (with spring closing system) can be installed both on the lintel and directly on the door's structure.

The housing covering the automated system can be supplied in anodized extruded aluminum or in shaped ABS in an innovative design making it possible to fit a detection sensor (passive infrared) inside it.

Safe and intelligent

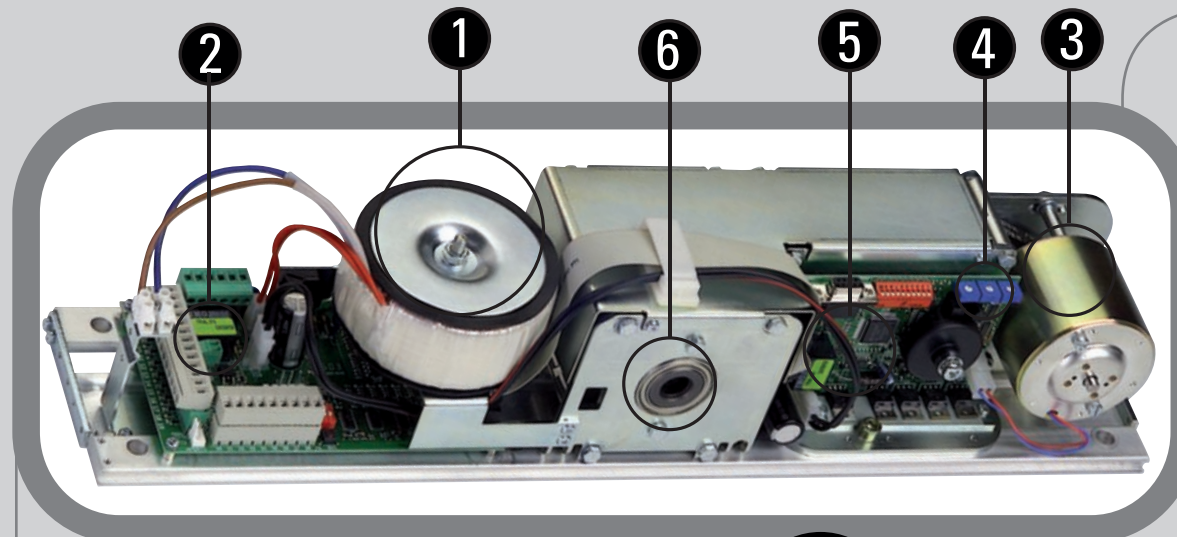
The automated system has two control boards: 950 MPS (control board) and 950 I/O (input/output). A microprocessor controls all the door's activities in real time, and an encoder detects its angular position at all times. Moreover, you select the operating logic (automatic, manual, night, open) by means of an integrated selector. Built in conformity with the new European safety regulations, speed and force are programmed according to the size of the door. If an obstacle is detected, the door reopens immediately, and as it closes it verifies, at slow speed, the release of the obstacle.

Powerful and reliable

Thanks to the accurate selection of the mechanical and electronic components, our 950 BM automated system is able to move leaves weighing over 660 lbs., on continuous duty, while always maintaining absolute operational safety.

Use

Model	Leaf length (in)	Leaf max. weight (lbs) Articulated arm to push	Leaf max. weight (lbs) Short sliding block arm	Leaf max. weight (lbs) Standard sliding block arm
950 BM	28	810	630	-
	30	705	550	-
	32	620	485	-
	34	550	-	430
	36	490	-	380
	38	440	-	340
	40	400	-	310
	42	360	-	280
	44	330	-	260
	46	300	-	240
	48	275	-	215
	50	255	-	200
	52	240	-	185
	54	220	-	170
56	205	-	160	



- 1 Toroidal transformer
- 2 Control unit 950 I/O
- 3 DC Motor
- 4 Encoder
- 5 Control unit 950 MPS
- 6 Return spring

Automatic adjustments

Determination of positions: "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 (guarantees resistance of the closing door even if there is a strong wind).

Technical specifications

950 BM

Power supply	110 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	supplied standard
Dimensions	21" x 4" x 1/8" in (LxHxD)
Weight	22 lbs
Protection class	IP 23
Opening angle	70° - 95°
Opening speed	adjustable from 30% to 100%
Closing speed	adjustable from 30% at 100%
Pause time	adjustable from 1 to 30 se.c.
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 aluminum

Thanks to calendar control, it can be programmed in time bands

STANDARD FUNCTIONS

- Function logics: AUTOMATIC - MANUAL - OPEN
- Self learning of open and closed positions and measurement of 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 in a strong wind)
- Closing thrust to guarantee door closure even in a 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: motor traction force, opening speed, closing speed, and pause time
- Facility for: microwave radar, passive infrared sensor, command pushbuttons, photocells, electric locks, bolt, KP Controller programming unit.

If you use the KP Controller programming unit, coupled to the programming display, you obtain the following functions:

- Function Logics: AUTOMATIC - MANUAL - OPEN - ONE WAY - NIGHT
- Adjustment of opening and closing speed
- Pause time adjustment
- Opening width adjustment
- Interlock function
- Master-Slave Function for double leaf doors.
- Preset for acoustic and light transit signalers
- Self diagnosis.



Programming display



KP Controller Functions keyboard



Sliding block arm



Articulated arm to push



Housing in anodised aluminum



UL325 and CSA Standard
CAN/CSA - 22.2 Compliant

