



# 950N2

**AUTOMATION FOR  
SWING DOORS**

**FAAC**  
*Simply automatic.*

# OPEN AND CLOSE IN ABSOLUTE SILENCE



# 950N2

## VERSATILE AND STYLISH

The FAAC 950N2 automations (with spring closing system) can be installed both on the architrave and directly on the structure of the door.

The automation housing cover is supplied in anodised extruded aluminium. As an alternative, it can be supplied in moulded ABS to be ordered separately. The 950N2 automations can also be used to automate double-leaf entrances by setting up two units in a master / slave configuration allowing the double leaf to be moved as if by a single system.




## SAFE AND INTELLIGENT

The automation system is equipped with two electronic boards: 950N2 MPS (control board) and 950N2 I/O (input/output board). A microprocessor controls all door activity in real time and a magnetic encoder continuously detects its angular position. The operating logic (automatic, manual, night, open) can also be selected via an integrated selector. The system is manufactured in conformity with the new European Safety Standards. The speed and force are programmed according to the dimensions of the door. If an obstacle is detected, the door re-opens immediately and as it closes, it checks, at reduced speed, that the obstacle is no longer present.

## POWERFUL AND RELIABLE

Carefully selected mechanical and electrical components means that our 950N2 automation system is able to move leaves weighing over 360 Kg in continuous use, while always maintaining absolute operational safety.

## TECHNICAL CHARACTERISTICS

Power supply	220-240 V~ - 50/60 Hz
Max power	100 W
Stand-by power without accessories	5 W
Frequency of use	100%
Electric motor	24V motor 
Max. accessories load	1A - 24V 
Electric lock power supply	(N.O./N.C.) 24V  / 500mA max
Dimensions (LxDxH)	530x160x105 mm
Weight	10 Kg
Operation in the event of a power failure	Manual push/pull opening - Spring closing
Max leaf opening angle	100° - 125°
Opening speed adjustment	4 - 10 s (adjustable)
Closing speed adjustment	4 - 10 s (adjustable)
Partial opening adjustment	10% - 90% of total opening
Pause time	0 - 30 s
Night pause time	0 - 90 s
Encoder	Standard
Protection sensor monitoring (EN16005)	Standard (may be bypassed)
Low Energy movement (EN16005)	Standard (may be bypassed)
Operating temperature	-20°C to +55°C
Protection rating	IP 23 (for indoor use only)
Compliance with standards	EN 16005; EN 61000-6-2; EN 61000-6-3; EN 13849-1; EN13849-2

### EN16005

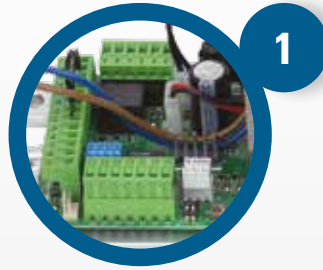
Complies with European Standard EN16005 regarding the safety in use of automatic doors.



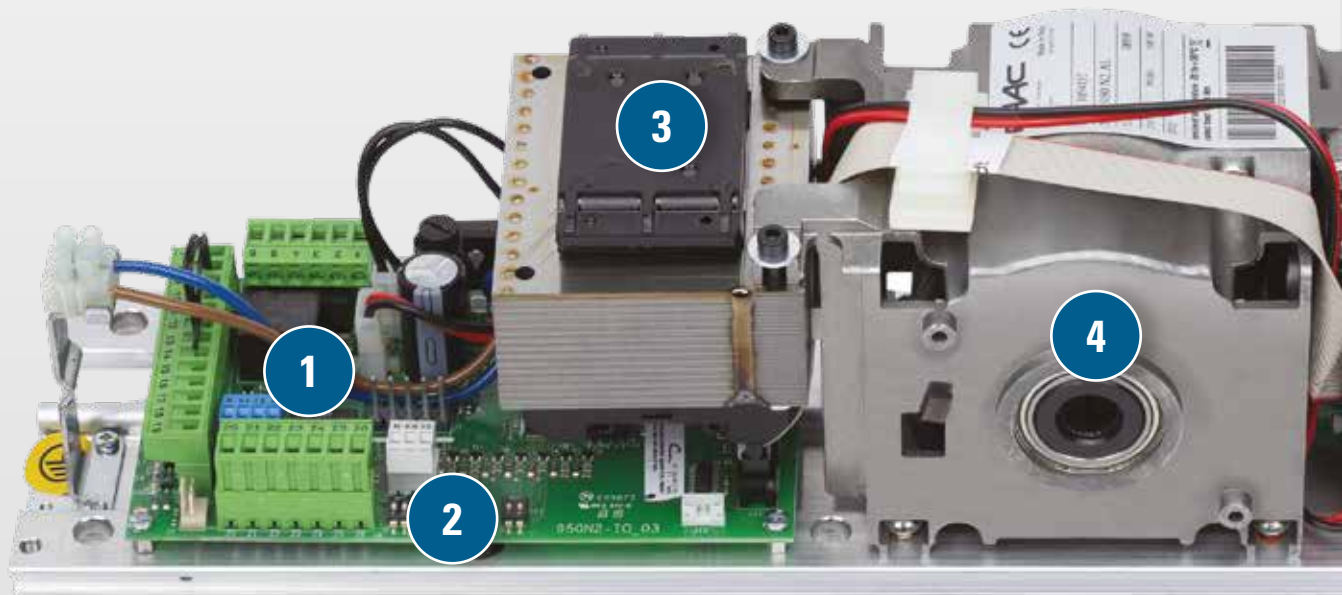
SAFE ZONE: The systems that make it easier to produce automation systems that comply with the requirements of the current European Directive on safety (DM 2006/42/EC).

# 950N2

## MAIN FEATURES



950N2 I/O  
CONTROL BOARD



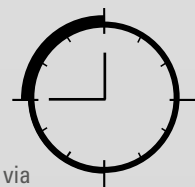
ARTICULATED ARM  
WITH TELESCOPIC ADJUSTMENT  
IN ANODISED ALUMINIUM



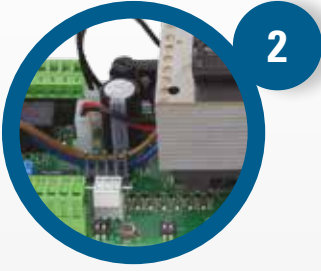
SLIDING ARM  
IN ANODISED ALUMINIUM



Selectable ANTI-WIND function (ensures that the door is closed even if there is a strong wind).

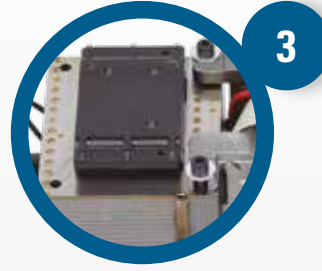


Time slots can be programmed via the calendar management function (available with KP EVO keypad)



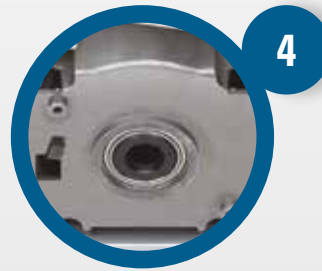
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RADIO  
RECEIVER CONNECTOR



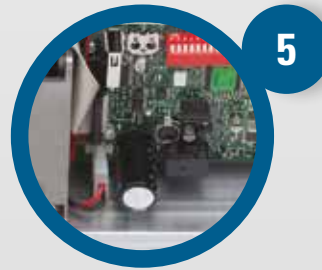
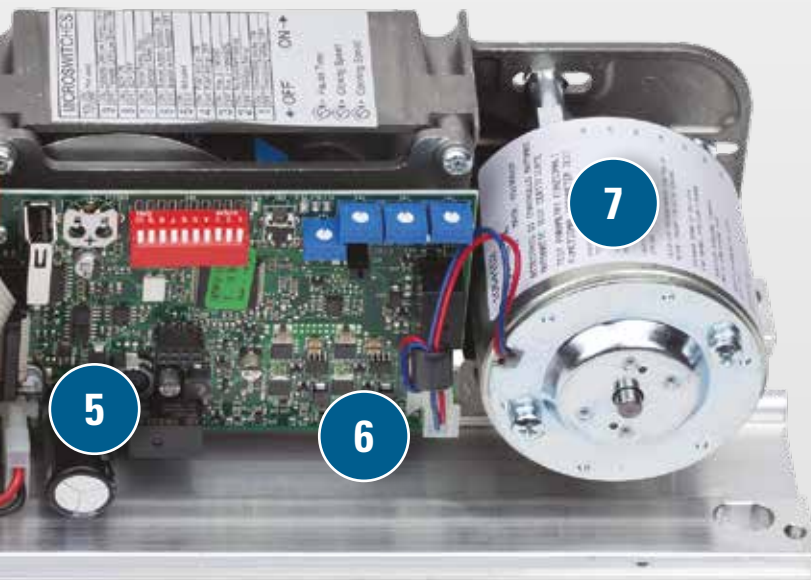
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LAMINATED  
TRANSFORMER



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RETURN SPRING WITH  
TRANSMISSION ARM COUPLING



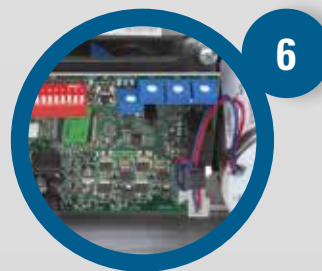
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950N2 MPS CONTROL BOARD



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DC  
MOTOR



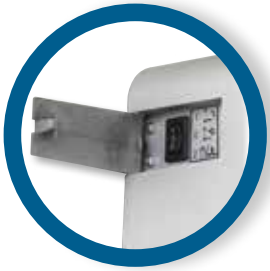
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INTEGRATED MAGNETIC  
ENCODER

# 950N2



## KP EVO PROGRAMMING AND FUNCTIONS KEYPAD



## FUNCTIONS SELECTOR



## ANODISED ALUMINIUM CASING

# STANDARD FUNCTIONS

- Operating logics: AUTOMATIC, OPEN, MANUAL/NIGHT
- Self-learning of open and closed positions and door weight measurement
- Anti-crushing safety device active during both opening and closing
- Selectable "PUSH and GO" function (commands the opening by simply pushing the door)
- Selectable "ANTI-WIND" function (ensures that the door is closed even if there is strong wind)
- Closing thrust to ensure that the door closes even if there is strong wind
- AVS function (Anti Vandal System) to protect the motor if the leaf movement is forced
- Manual operation in the event of mains power failure
- Adjustment trimmer for opening speed, closing speed and pause time
- Can be used with microwave radar, infrared sensors, laser sensors, push-button controls, photocells, electric locks, locks, KP EVO programming unit, FAAC radio controls

### The following functions can be used using the KP EVO, LK EVO and KS EVO functions keypad:

- Operating logics: AUTOMATIC, MANUAL, OPEN, ONE-DIRECTIONAL, NIGHT, PARTIAL OPEN, DIAGNOSTICS WITH A WIDE RANGE OF SIGNALS.

### The following functions can be used using the KP EVO keypad with integrated display:

- Opening and closing speed adjustment
- Pause time adjustment
- Opening width adjustment
- Interlock function
- Master-Slave function for double leaf doors
- Can be used with acoustic or light signal transit indicators
- Self-diagnosis



## KEY OPERATED KS EVO FUNCTIONS SELECTOR



## LK EVO FUNCTIONS SELECTOR



## ARTICULATED PUSH ARM



## HOUSING COVER IN MODULED ABS (to be ordered separately)



Compliant with standard  
UL325 and CSA Standard  
CAN/CSA - 22.2



## USE

Model	Leaf length (mm)	Max leaf weight (kg) Articulated push arm	Max leaf weight (kg) Short sliding arm	Max leaf weight (kg) Standard sliding arm
950N2	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

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