

# 930 SF

## automatic systems for sliding doors

single leaf, double leaf  
continuous duty



### DESIGN ENTERS ARCHITECTURE

Quiet elegance and compact size enable FAAC 930 SF to adapt to any architectural environment even if space is at a premium. The SF series is highly versatile, adapting to single leaf sliding doors with maximum weight of 100 kg, or to double leaf with maximum weight of 70 kg per leaf. By installing a FAAC 930 automatic system, you save a lot on energy costs, in terms of controlling the climate of the accessed room, in addition to fully "removing" architectural barriers.

### EVER SLIDING RELIABILITY

Built to operate at its best at all times and in any place, the 930 SF range is automatically reliable, without any use frequency limits. In the event of a power-cut, operation is assured 100% for thirty minutes by an optional buffer battery with controlled recharging.

### EXCELLENT LOGIC, REAL-TIME

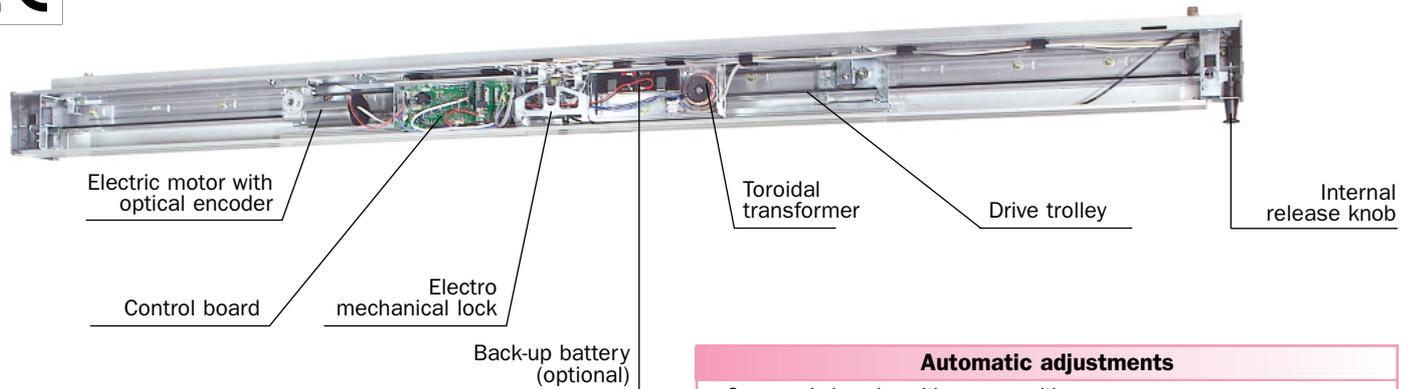
Intelligent control: a microprocessor checks all door activities in real-time. The function logic can be selected by using a selector switch integrated in the automatic system.

### ABSOLUTE SAFETY

In compliance with international safety regulations, the SF series automatically programmes opening/closing force and speed, according to door friction and weight. If there is an obstacle, the door re-opens immediately and, when it closes next, it checks at low speed if the obstacle has been cleared.

### SPECIFICATIONS

FAAC electro-mechanical automatic system for single or double leaf sliding doors with transit space up to 3.000 mm and max weight up to 100 Kg per leaf • **Support profile** in extruded aluminium • Provision for fixing to the wall or to the ceiling • Overall dimensions (hxp) 170x173 mm • Track made of low-wear and low-noise plastic material • **Fascia panel** in natural or anodised aluminium • Hinging on the head profile by mean of nylon support to eliminate possible vibration (opening rotating the fascia panel to the ceiling) • Safety steel cables to prevent fascia to fall down • Locking levers (optional) to lock the fascia panel in open position • Lower profile adjustable to various leaf thickness • **Drive module composed of:** 24Vdc gearmotor with optical encoder • 930 SDM microprocessor control unit • Feeding unit with low consumption toroidal transformer • Snub pulley with belt stretching by screw ( Electro-conductive transmission belt • Belt support profile (aluminium) • **Trolleys** galvanised steel structure • Steel wheel with bearing • Nylon cunter wheel with bearing • Eccentric height adjustment  $\pm 10$  mm • Lateral adjustment  $\pm 15$  mm • Leaf attachment profile (aluminium) • **Automatic adjustment:** open and closed positions recognition • Leaves weight and friction measurement • Optimal speed, acceleration and deceleration selection • Photocell test • Safety anti-crush device to 150 N • **SD KEEPER function keyboard** (standard) with switches (to choose operative programs) and leds (to visualise the diagnostic ) • **Available programs** - MANUAL-AUTOMATIC-NIGHT-OPEN-ONE WAY-PARTIAL OPENING • Self-diagnosis display • **Reset** function • Functioning inhibition by mean of link or push button combination • SD KEEPER keyboard has a provision for programming display connection • **Programming display** main functions • Access password insertion • Opening/closing speed adjustment from 20 up 180 cm/s • Pause time adjustment from 0 up 30 s • Anti-crush adjustment • Timer function by mean of back-up battery (5 years endurance) • Weekly calendar management • Daily time bands (5) management • Interlock management with or w/o memory • Anti-intruder function • Operating functions selection with battery in use • Output configuration (3 outputs) on 930 SDM CONTROL UNIT • Emergency input configuration (2 inputs) on 930 SDM CONTROL UNIT • Diagnostic visualization • Cycle counter visualization



Technical specifications	930 SF
Power supply	230 V~ (+6% -10%) 50 (60) Hz
Absorbed power	100 W
Use frequency	100%
Drive unit	24 Vdc motor with encoder
Head profile length LT	VP x 2 + 100 mm
Drive	electro conductive toothed belt
Opening/closing speed	adjustable (two leaves) 20÷180 cm/s
Emergency opening/closing speed	adjustable
Pause times	adjustable from 0 to 30 s
Static force	adjustable from 90 to 150 N
Partial opening	adjustable (two leaves) from 20 cm to total
Anti-crush device	standard
Photocells fail safe	standard (can be disabled)
Protection class	IP 23 (for indoor use only)
Operating ambient temperature	-20°C + 55°C

Automatic adjustments
• Open and closed positions recognition
• Measurement of leaves weights and friction
• Selection of optimal speed, acceleration and deceleration
• Photocell test
• Anti-crush safety device operating at 150 N

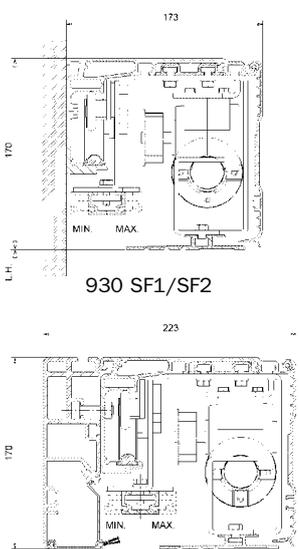
Model	Use			
	Leaf	Transit space (mm)	Leaf max weight (kg)	Self-supporting
930 SF1	single	700÷3000	100	NO
930 SF2	double	800÷3000	70+70	NO
930 SFA1	single	700÷3000	100	YES (max 3000)
930 SFA2	double	800÷3000	70+70	YES (max 3000)

Accessories
• Miniswitch GLS photocell
• Passive infrared sensor
• Microwave radar
• T20/T21 key-operated push-buttons, wall and flush mounting, with emergency release devices
• Leaf securing profiles for glass
• Electro-mechanical lock with internal release device
• Padlock surveillance with possibility of visual or acoustic signal in case of malfunction
• Emergency batteries with recharging card. Guarantee a 30 minute range of continuous duty

SD KEEPER functions keyboard (standard)	
Available programs	
• Manual	• Open
• Automatic	• Partial opening
• One way	• Night
• Reset	
• Self-diagnosis by mean of leds	
• Operation inhibition by wire link or push buttons combination	
• Provision for programming display connection	

PROGRAMMING DISPLAY	
Main functions	
• Access password insertion	• Opening speed adjustment
• Closing speed adjustment	• Anti-crush adjustment
• Pause time adjustment	• Anti-crush function management
• Diagnostic visualisation	• Weekly calendar management
• Interlock management with or w/o memory	
• Operating functions selection with battery in use	
• Output configuration (3 outputs) on 930 SDM control board	
• Emergency input configuration (2 inputs) on 930 SDM control board	
• Timer function by mean of back-up battery	
• Cycle counter visualization	
• Daily time bands (5) management	

### HEAD PROFILE



930 SF1/SF2

930 SFA1/SFA2

Values in mm

