

930 NSF

Automations for sliding doors



Automations for sliding doors

single leaf, two leaves continuous duty

Architectural design

Thanks to their sober elegance and compact dimensions, FAAC 930 NSF automations can be adapted to every type of architectural environment, even in limited space conditions. For the outmost versatility of use, the NSF Series can be adapted to sliding doors with single leaves and a maximum weight of 120 kg or with double leaves and a maximum weight of 80 kg each leaf. A 930 NSF automation also guarantees considerable energy savings as regards air-conditioning and the total removal of architectural barriers.

Reliable and always sliding

Designed to operate at best on each occasion and in every environment, 930 NSF automations are automatically reliable, without limits on the frequency of use. Motor, control unit, supply unit, transmission and optional components like batteries and lock are assembled in a compact module, which can be easily installed on the support head profile.

■ Excellent logics in real time

A microprocessor verifies in real time all door activities and guarantees an intelligent control. The operation logics can be selected by means of a functions keypad standard supplied with the automated system.

Absolute safety

The 930 NSF Series automatically programs opening and closing force and speed according to the friction and the door weight in conformity with the relevant international safety standards. In case of an obstacle the door reopens immediately. On the next closing it verifies at slow speed if the obstacle is still present.



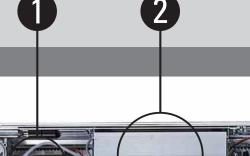
1 Motor with electrical lock



- 1 Motor with electrical lock
- 2 Microprocessor control unit
- 3 Trolleys with steel wheels and teflon rail
- 4 Toroidal transformer and emergency batteries
- 5 Drive trolley
- 6 Knob for manual release
- 7 Eyelets for a fast mechanical installation









Accessories

Self-supporting head profile 930 NSFA1 and 930NSFA2 Electro-mechanical lock with internal release

Miniswitch GLS photocell

Infra-red passive sensor

Microwave radar

Wall-mounted and flush-mounted keyswitches T20/T21 with emergency release devices

Profiles for glass leaf fitting

Lock monitor with activation of indicator-lights or buzzers in the event of a lock malfunction

Break-out anti-panic kit

The emergency batteries with charge control board guarantee the automated system to operate for 30 minutes on continuous use Compatible with the new series of FAAC TK20 and TK50 profiles

(2) Microprocessor control unit







Technical specifications

Electric power supply Power consumption

Frequency of use

Drive unit

Head profile length

Drive

Opening/closing speed

Emergency opening/closing speed

Pause time Static force

Partial opening

Anti-crushing device

Photocells fail-safe

Protection class

Environmental temperature

930 NSF

230 V ac (+6%-10%) 50 (60) Hz

100 W

100%

24 V dc motor with encoder

VP x 2 + 100 mm

by electro-driven toothed

belt

adjustable (two leaves) 20÷180 cm/s

adjustable

adjustable from 0 to 30 s

150 N (self-learning adjustment)

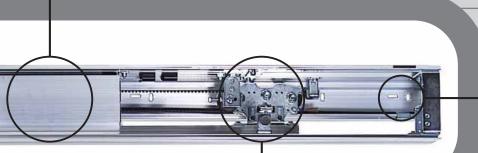
adustabile (two leaves) from 20 cm to total

standard

standard (can be excluded)

IP 23 (for indoor use only)

-20°C ÷ +55°C







Automatic adjustments

Open and closed positions identified Measurement of leaf weights and friction Selection of optimum speed, acceleration and deceleration Photocell test

Anti-crushing safety at 150 N





Model	Leaf	Free passage width (mm)	Leaf max. weight (kg)	Self-supporting (head profile length mm)
930 NSF1	single	700÷3,000	120	NO
930 NSF2	double	800÷3,000	80+80	NO
930 NSFA1	single	700÷3,000	120	YES (max. 3,000)
930 NSFA2	double	800÷3,000	80+80	YES (max. 3,000)



PROGRAMMING DISPLAY

Main functions

Entering of access password Closing speed adjustment Pause times adjustment Opening speed adjustment
Anti break-in function management

Pause times adjustn Diagnostic display Anti-crushing adjustment Weekly calendar management

Management of interlock with or without memory

Selection of battery operation logics

Configuration of 3 outputs on the control unit

Configuration of 2 emergency inputs on the control unit

Display of number of cycles carried out

Management of 5 daily time slots



Programming display

SD KEEPER FUNCTIONS KEYBOARD

Main functions

Manual

Open

Night

Automatic

Partial opening

One way

Reset

One way, partial

Throubleshooting through a combination of flashing LEDs Operation can be disabled by a jumper or a combination of keys

Preset for programming display



SD Keeper functions keyboard

SDK LIGHT

Main functions

Manual

Open

Automatic

Partial opening

One way

Night

Reset

One way, partial

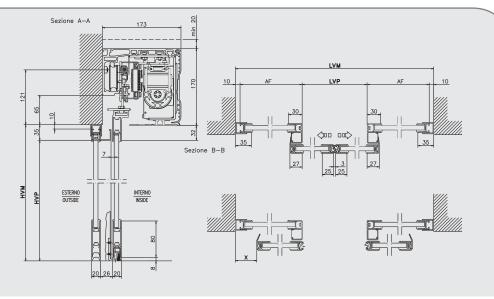
Throubleshooting through a combination of flashing LEDs Operation can be disabled by a combination of keys

Not preset for programming display



SDK Light functions keyboard

SMALL SECTION PROFILES TK 20



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