

version

DOUBLE MOTOR

940 SM

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)

adjustable (two leaves)

from 10%÷90% of total travel

standard

standard (can be excluded)

IP 23 (for indoor use only)

-20°C ÷ +55°C



PROGRAMMING DISPLAY

Main functions

Entering of access password

Closing speed adjustment

Pause times adjustment

Diagnostic display

Opening speed adjustment

Anti break-in function management

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

SD KEEPER FUNCTIONS KEYBOARD

Main functions

Manual

Automatic

One way

Reset

Open

Partial opening

Night

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

SDK LIGHT

Main functions

Manual

Automatic

One way

Reset

Open

Partial opening

Night

One way, partial

Throubleshooting through a combination of flashing LEDs

Operation can be disabled by a combination of keys

Not preset for programming display

SMALL SECTION PROFILES TK 20

FAAC 940 SM2



LVM = larghezza vano muro
wall width
min 1700 / max 6100 mm. *
LVM = 2LVP+51+2X

HVM = altezza vano muro
wall height
max 2500 mm. *

LVP = larghezza vano passaggio
free passage width
min 800 / max 3000 mm. **
LVP = (LVM-51-2X)/2

HVP = altezza vano passaggio
free passage height
HVP = HVM-30

X = distanza di sicurezza
distance to avoid finger trap
min 80 mm.

LC = lunghezza carter
carter length

* per HVM>2500 mm, contattare FAAC

** consigliato
suggested

HEADQUARTERS

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

FAAC SUBSIDIARIES

FAAC AG
Tel. +41 41 8713440
Fax +41 41 8713484
Altdorf, Switzerland
www.faac.ch

FAAC FRANCE
Tel. +33 4 72218700
Fax +33 4 72218701
Corbas, France
www.faac.fr

FAAC GMBH
Tel. +49 8654 49810
Fax +49 8654 498125
Freilassing, Germany
www.faac.de

FAAC MIDDLE EAST BRANCH
Tel. +971 42146733
Fax +971 42146734
Dubai Airport Free Zone, UAE
www.faac.ae

F.A.A.C. SA
Tel. +34 91 6613112
Fax +34 91 6610050
Madrid, España
www.faac.es

FAAC UK LTD.
Tel. +44 1256 318100
Fax +44 1256 318101
Basingstoke Hampshire, UK
www.faac.co.uk

FAAC AUSTRALIA PTY LTD
Tel. +61 2 87565644
Fax +61 2 87565677
Homebush – Sydney, Australia
www.faac.com.au

FAAC NORD
Tel. +33 1 69191620
Fax +33 1 69191621
Massy, France
www.faac.fr

FAAC INDIA PVT. LTD
Tel. +91 120 3934100/4199
Fax +91 120 4212132
Noida – Delhi, India
www.faacindia.com

FAAC POLSKA SP.ZO.O.
Tel. +48 22 8141125
Fax +48 22 8142024
Warszawa, Polska
www.faac.pl

F.A.A.C. SA Delegación Cataluña
Tel. +34 93 4362000
Fax +34 93 4368225
Barcelona, España
www.faac.es

FAAC BENELUX
Tel. +32 50 320202
Fax +32 50 320242
Brugge, Belgium
www.faacbenelux.com

FAAC GE.S. M.B.H.
Tel. +43 662 8533950
Fax +43 662 85339520
Wals – Siezenheim, Austria
www.faac.at

FAAC INTERNATIONAL INC.
Tel. +1 307 6351991
Fax +1 307 6328148
Cheyenne, USA
www.faacusa.com

FAAC SCANDINAVIA AB
Tel. +46 36 376860
Fax +46 36 370780
Bankeryd, Sweden
www.faac.se

FAAC SHANGHAI
Tel. +86 21 68182970
Fax +86 21 68182968
Shanghai, China
www.faac.com.cn

Programming display



SD Keeper functions keyboard



SKD Light functions keyboard



SERIES 940

Automations for sliding doors

FAAC

Simply automatic.

908470004 - Rev. 12 - 500 - Zucchini - 09/2009. The descriptions and illustrations contained in the present brochure are not binding. FAAC reserves the right to undertake product technical modifications without prior notice.

Telescopic automations for sliding doors

with single or double motor for very heavy leaves and continuous duty

- **An automated system line designed to meet all your needs**
- **940 SM** max. capacity 110+110 or 140 kg each leaf
- **940 SMD with double motor** max. capacity 180+180 or 250 kg each leaf
- **940 SMA and SMDA with self-supporting head profile** for fixing the automated system between two walls or an aisle
- **940 SMT Telescopic** with two or four sliding leaves.

■ **Reliability**
Thanks to the careful choice of high technology mechanical and electronic components Faac Series 940 SM-SMD-SMT automations for sliding doors are certified for over 2,000,000 opening and closing cycles and have no limits in the frequency of use.
Motor and microprocessor electronic control unit undergo a severe quality control program before delivery.

■ **Safety with no compromises**
Thanks to their "self-learning" function, the Series 940 automations automatically set the opening and closing forces according to the friction and the leaf weight in conformity with the relevant safety standards.
In the event of a power cut, buffer batteries (optional) with charge control guarantee 100% operation for thirty minutes.

■ **Excellent logics**
The operation logics can be selected with the SD Keeper or SDK Light functions keypads, which also signal and display any faults through their diagnostics functions.
The assembly and installation procedures of Series 940 have been conceived and designed to optimize the installation times thanks to the wide working area, the easy fitting of trolley/ belt, the concept of the drive module and the limit switches on the support profile. Moreover, the easy-to-assemble housing can be locked in the open position and therefore it can be easily manoeuvred by one operator. In this way, installation or maintenance costs are even lower.



3 Trolleys with steel wheels and teflon rail



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

Technical specifications

940 SM

Electric power supply	230 V ac (+6%-10%) 50 (60) Hz
Power consumption	100 W
Frequency of use	100%
Drive unit	24 V dc motor with encoder
Head profile length	VP x 2 + 100 mm
Drive	by electro-driven toothed belt
Opening/closing speed	adjustable (two leaves) 20÷180 cm/s
Emergency opening/closing speed	adjustable
Pause time	adjustable from 0 to 30 s
Static force	150 N (self-learning adjustment)
Partial opening	adjustable (two leaves)
	from 10% ÷ 90% of total travel
Anti-crushing device	standard
Photocells fail-safe	standard (can be excluded)
Protection class	IP 23 (for indoor use only)
Environmental temperature	-20°C ÷ +55°C

- 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
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 (only for SM-SMA version)
The emergency batteries with charge control board guarantee the automated system to operate for 30 minutes on continuous use

Use

Model	Leaf	Free passage width (mm)	Leaf max. weight (kg)	Self-supporting (head profile length mm)
940 SM1	single	700÷3,000	140	NO
940 SM2	double	800÷3,000	110 + 110	NO
940 SMA1	single	700÷3,000	140	YES (max. 3,000)
940 SMA2	double	800÷3,000	110+110	YES (max. 3,000)
940 SMD1	single	700÷2,900	250	NO
940 SMD2	double	800÷3,000	180 + 180	NO
940 SMDA1	single	700÷2,900	250	YES (max. 3,000)
940 SMDA2	double	800÷3,000	180 + 180	YES (max. 3,000)
940 SMT2	single tel.	1,100÷3,000	110 + 110	NO
940 SMT4	double tel.	1,400÷4,000	60+60+60+60	NO
940 SMTA2	single tel.	1,100÷3,000	110 + 110	YES (max. 3,000)
940 SMTA4	double tel.	1,400÷4,000	60+60+60+60	YES (max. 3,000)

Worldwide Market Access

ATTESTATO DI CONFORMITA' ALLE SPECIFICHE TECNICHE
N°54911-2S0CSPEC

Apparecchio	Sistema di automazione per porte scorrevoli pedonali
Richiedente	FAAC S.p.A. Via Benini, 1 40069 Zola Predosa (BO) ITALY
Costruttore	FAAC S.p.A. Via Benini, 1 40069 Zola Predosa (BO) ITALY
Modello / Tipo	940 SM...
Dati tecnici	230 V - 50 Hz
Informazioni aggiuntive	Motore singolo o doppio - Attivazione porte ad anta singola o doppia
Varianti	- Serie 940 SM (motore singolo - SM1, anta singola - SM2, anta doppia) - Serie 940 SMD (doppio motore - SMD1, anta singola - SMD2, anta doppia) - Serie 940 SMA (motore singolo, autoportante - SMA1, anta singola - SMA2, anta doppia) - Serie 940 SMDA (motore singolo, autoportante - SMDA1, anta singola - SMDA2, anta doppia)

L'apparato provato è risultato conforme alle (e) specifiche (e) Prove di vita del sistema - 2.000.000 di cicli senza manutenzione
I risultati delle prove eseguite sono riportati nell (e) rapporto (e) di prova
Richieste del Cliente:
Prova di vita del sistema - 2.000.000 di cicli senza manutenzione
Nemko SpA - Order No. 54911TRPSAF del 2005-06-28

Questo Attestato di Conformità alle Specifiche Tecniche si riferisce all (e) campione (e) provato (e), non include la sorveglianza della produzione e non permette l'apposizione del marchio Nemko sul prodotto.

Data di emissione: 2005-06-29

Nemko S.p.A.
Certification Dept.

(Roberto Frasso)

Nemko SpA
Via Trento e Trieste, 116
T +39 0302012 01 r.a.
F +39 030770340
www.nemko.com
www.nemko.it

Automated system certified for 2,000,000 continuous cycles without maintenance

Time slot programmable
calendar management