



KABA[®]
GILGEN

Automatic sliding door SLA

Innovative. Dynamic. Attractive.

Operation program switch, motion detector and push-buttons

Program switch

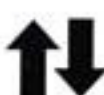
The operating programs of the Kaba automatic door are selected by means of a key-operated program switch.



Locked The door is closed and locked. It can be opened using a key command.



Exit The door functions in one-way mode, with only one opening element (usually the inside unit) enabled to trigger the door-opening mechanism.



Automatic The door actuates whenever the opening element generates an impulse. It is not locked when in the closed position.



Manual/Open The door opens and stops freely. The door can be operated manually.



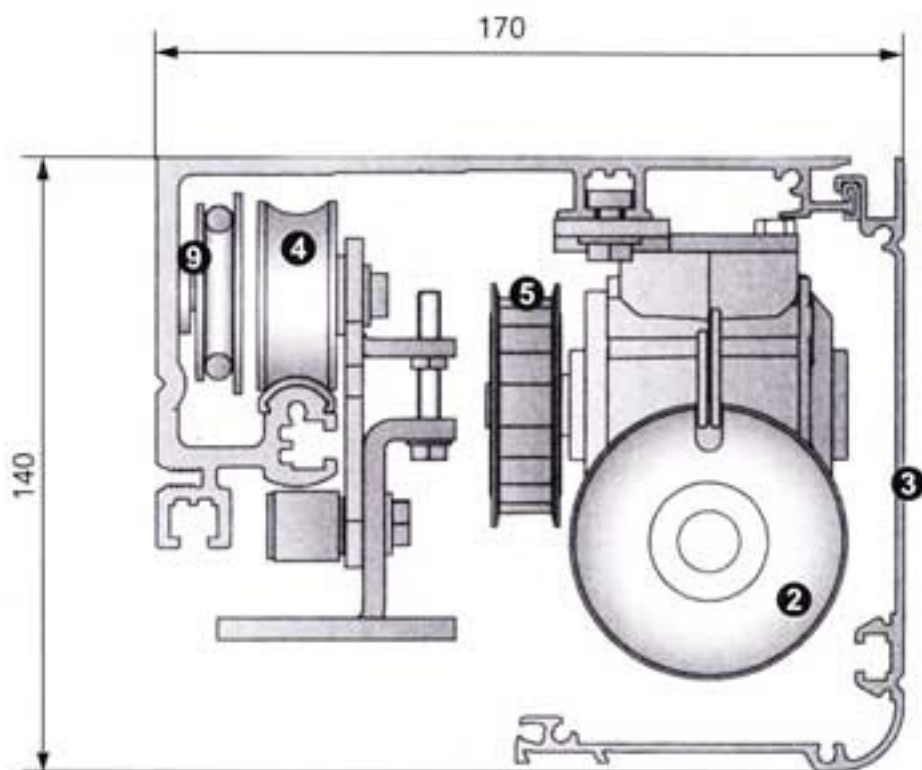
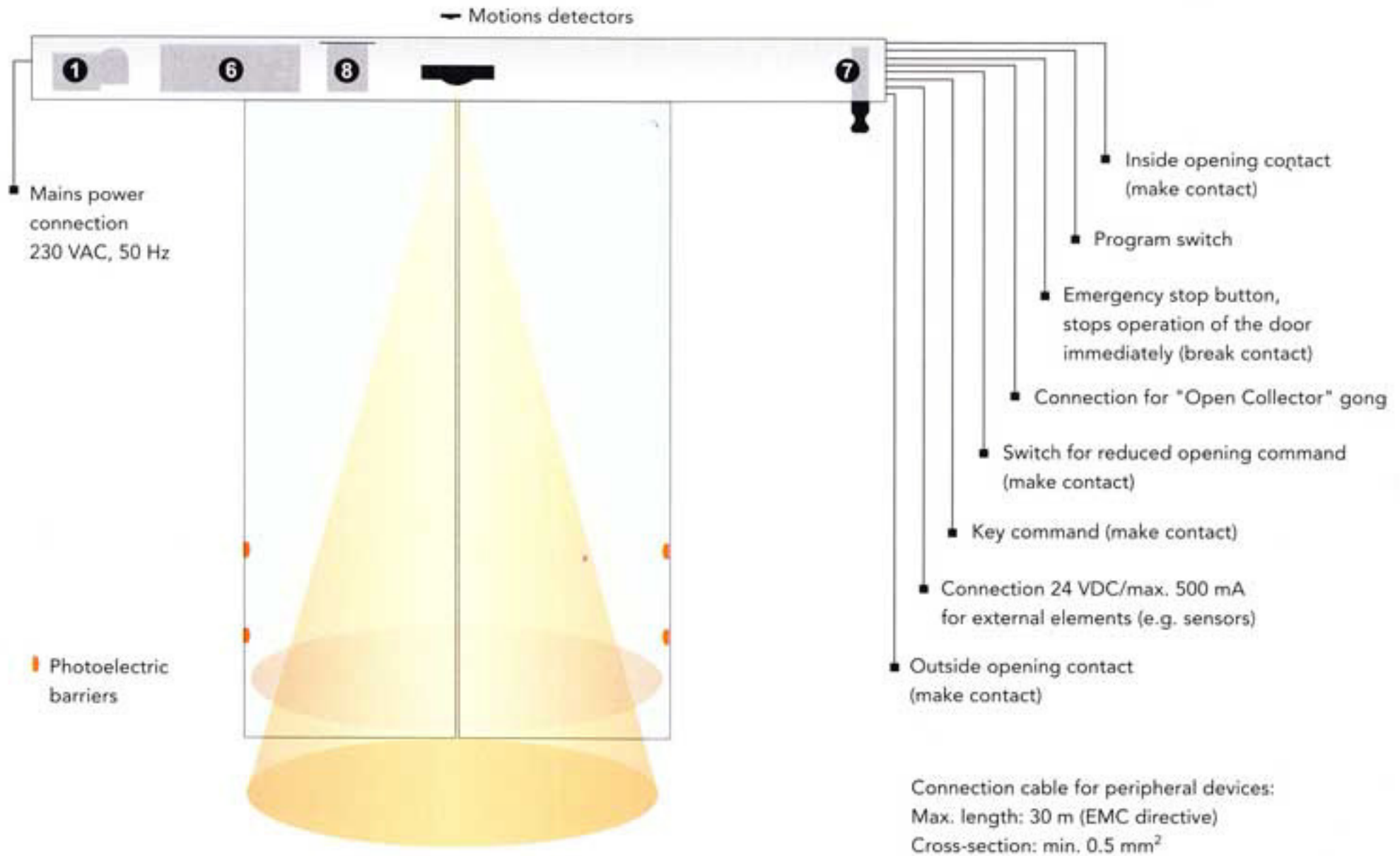
Push-buttons

It is also possible to connect such additional elements as push-buttons, contact-free proximity switched and emergency stop buttons. The Kaba range includes various types of operating and security elements designed to complement the functions of the SLA automatic sliding door.

Motion detectors

The opening of the door is normally triggered by motion detectors designed to detect the presence of persons in the doorway. Impulse elements, whether supplied by Kaba or of other standard types, perform such functions as protection for persons who remain stationary in the doorway, the detection of direction of movement, or the filtering-out of passing traffic (to prevent unnecessary opening of the door).

Characteristics of SLA drive-system technology



Drive-system components

- 1 **Compact drive unit** With electronically-controlled door operation, maintenance-free with high performance
- 2 **Running profile**
- 3 **Covering** Simple to secure in hinged-up position
- 4 **Running carriage** With three-dimensional compensation for structural tolerances and adjustable door wing suspension, height adjustment to +/-10 mm, lateral adjustment to +/-15 mm
- 5 **Power transmission via toothed belt**
- 6 **Self-teaching microprocessor control system**
Installed in protective housing, with automatic adjustment for optimum dynamic operation performance of door
 - Obstacle detection with automatic return mechanism
 - Locking pressure: 40 N
 - Dynamic power limitation
 - LED-type function and error indicators
 - Prioritised fulfillment of operating commands
 - Weight and path measurement
 - Testing of safety and security elements
 - End-point positioning
 - Rubber-cord detection

Simple manual adjustment of the following four functions:

 - Closing speed
 - Opening speed
 - Hold-open time
 - Reduced opening

Selectable default setting with DIL switch

 - Sense of rotation
 - Activation of locking mechanism
 - Tracking adjustment
- 7 **Electromechanical locking mechanism**
with manual release. Secures the closed door panels.
Can be enhanced with a remote manual release function
- 8 **Battery pack for emergency operation** If there is a power failure, the battery pack guarantees interruption-free operation (for about 30 minutes).
Wake-up function: Performs one door opening and leaves it open if the battery becomes discharged before power is restored
- 9 **Emergency opening with rubber cord** If there is a power failure, the built-in rubber cord (France CO 48) opens the door once and leaves it open

Technical specifications

Max. opening speed	0.6 m/s (adjustable)
Max. closing speed	0.6 m/s (mass-dependent, adjustable)
Hold-open time, day: adjustable time until the door closes	0 - 30 s (adjustable)
Mains power connection	230 VAC, 50 Hz
Stat. drive power	max.150 N
Protection rating	For use in dry locations only
Power consumption	80 W
Ambient temperature	-15°C to +50°C

Range of application

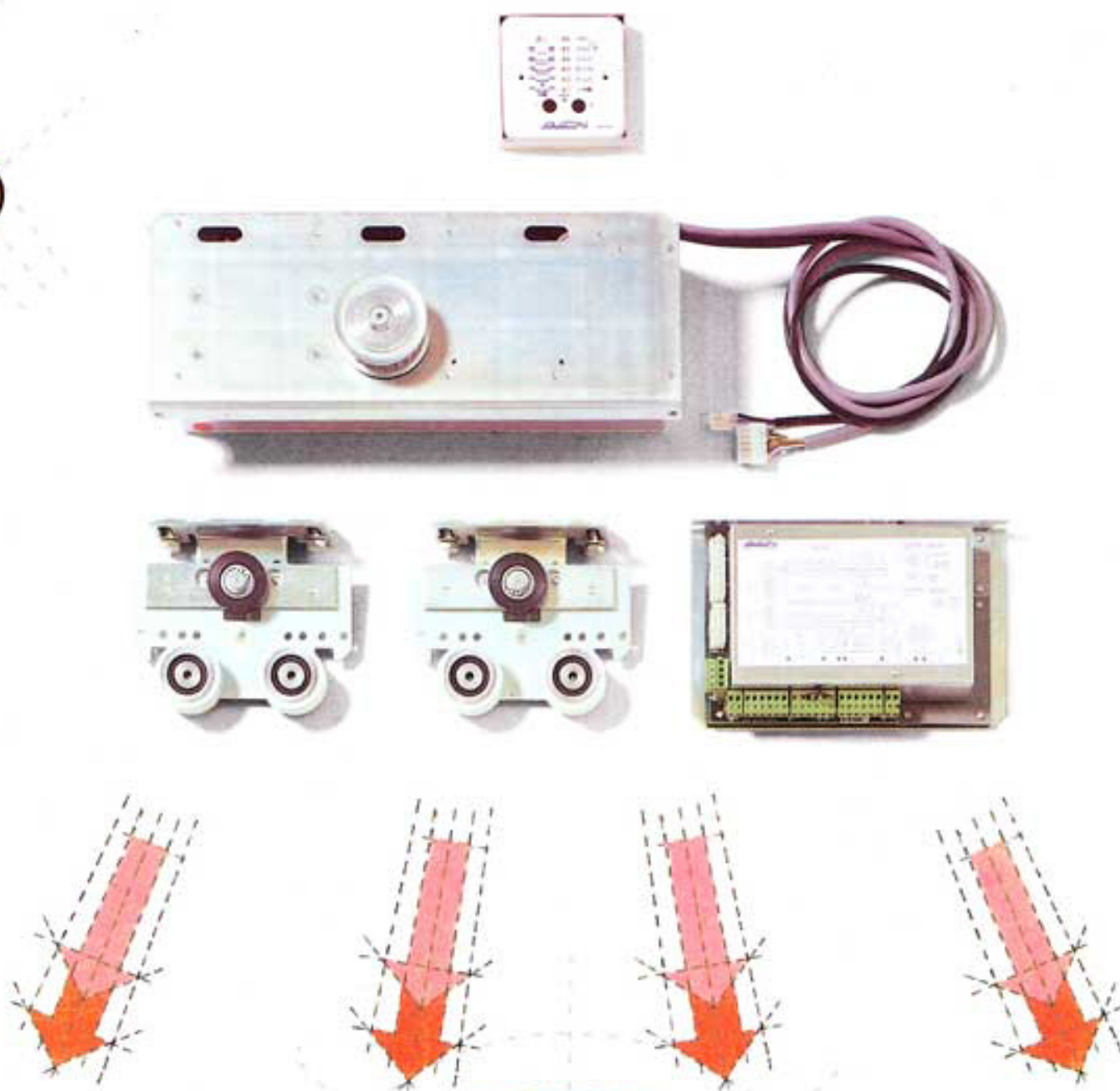
	bi-parting	Single-winged
Clearance opening width LW	900...3000 mm	700...2000 mm
Clearance height	Optimum 2100 - 2300 mm, maximum 2500 mm	
Max. wing weight	2 x 80 kg	1 x 100 kg
Minimal drive case length	2 x LW + 100 mm	
Kaba wing systems, tested to DIN 18650 standards	PS 90, PSX	

PANTER (M) SDN. BHD.
SECURITY & AUTOMATION SDN. BHD.
NO. 301-32, JALAN TUU 1A/13,
ADA DAMANSARA, 46050 PETALING JAYA,
SELANGOR DARUL EHSAN, MALAYSIA.
TEL: 603-7645968 (HUNTING) FAX: 603-7645969
E-mail: sales@panter.com.my
Website: www.panter.com.my



Sliding doors SLM / SLP-KIT

A modular system enables you to answer
all the requirements of your customers



Measures in mm, changes reserved 12.95

P2.1.1.

Electronic remote control (BEDIS)



The patented data transmission (two-wire bus system) allows access to a wide choice of options for the selection of programs, adjustment of functions and self-diagnostic display. The connection with a shielded cable (U72M or DIN 47100 CY) guarantees a reliable functioning up to a distance of 50 m.

- small size
- fits into any standard plug socket
- surface or concealed mounting

9 operating programs

The user has the choice of nine programs for the door operation (normal or reduced opening), e.g.:

- OPEN the door remains open
- AUTOMATIC the door functions automatically
- RED.OPEN the door opens to an individually adjusted distance
- EXIT users are allowed to exit but not to enter
- NIGHT the door is locked

Access to these functions can be denied to any unauthorized person by means of a code.

6 functions, individually adjustable

- RESET back to the initial adjustment
- Vo opening speed 40 - 100 %
- Vc closing speed 25 - 66 %
- s opening distance in 5 mm steps
- to standard hold-open time 0 - 10 s
- tn extension of hold-open time 0 - 20 s

22 additional functions individually selected

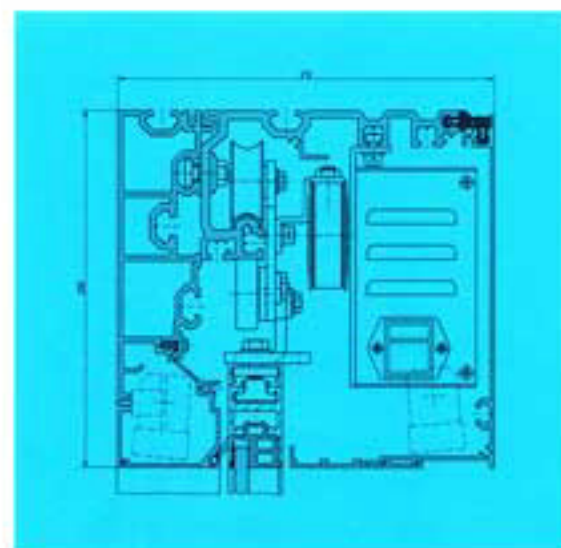
By entering a code, the user can access an additional programming level which enables adjustment of 22 special functions, e.g.:

- EXIT locked or unlocked
 - emergency opening/closing by mains power or monitored battery backup
 - in the event of a mains failure, only opening or closing
 - reversing mechanism, precision or normal adjustment
- and many others - ask for our detailed information.

17 self-diagnostic displays

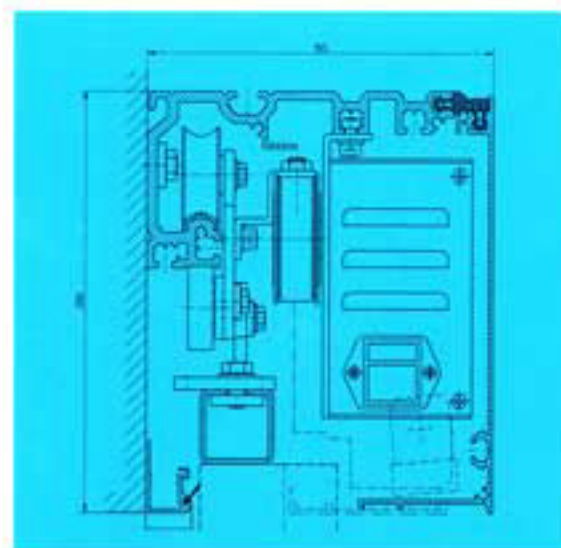
By means of a combination of lighted LED diodes, 17 possible malfunctions are displayed on the remote control panel, e.g.:

- defective drive unit
- defective control module
- defective locking module
- defective photoelectric cell
- defective door monitoring
- power failure/monitored battery backup



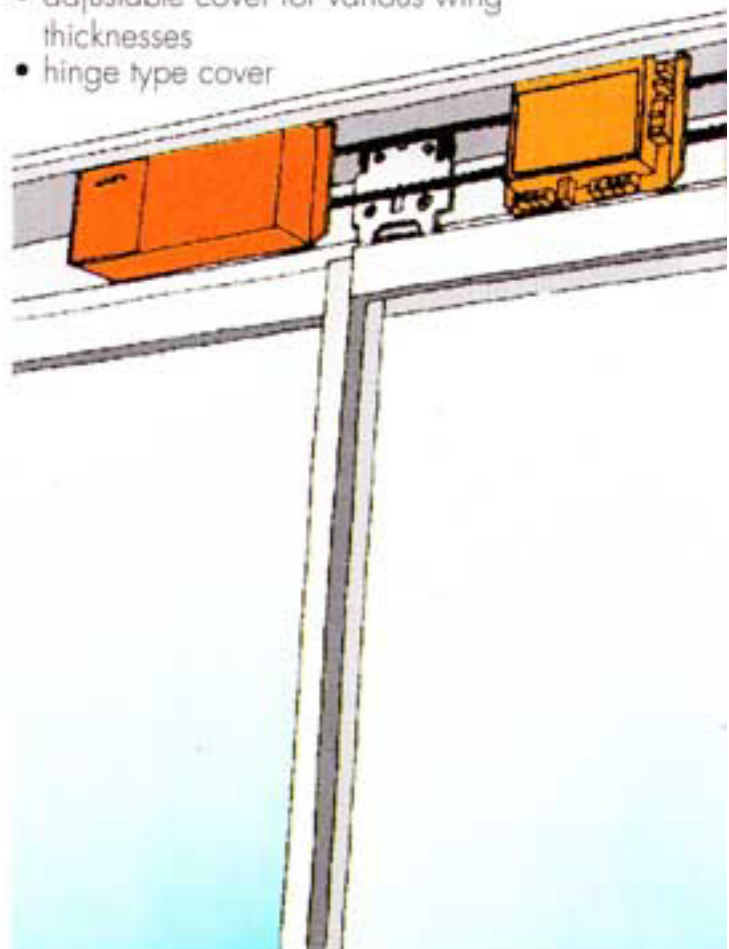
Gilgen glass profile system 90

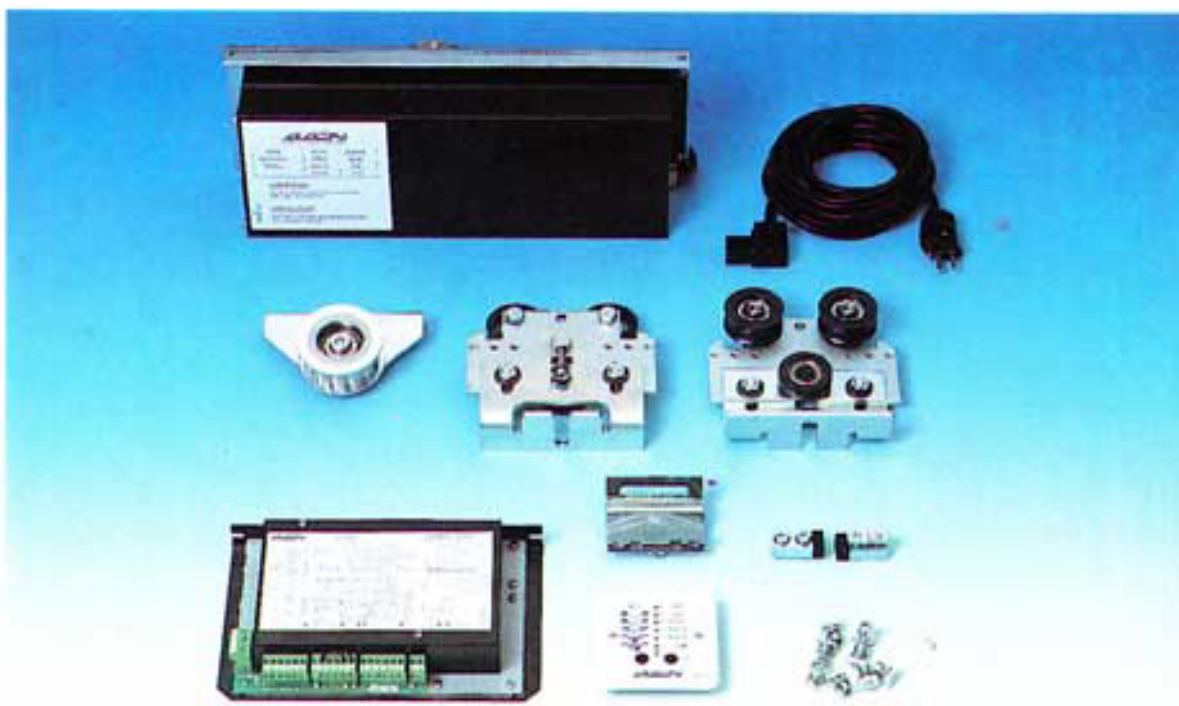
- sensors for inside or outside mounting
- suitable for various glass thicknesses between 8 and 20 mm, guaranteeing the required safety distance of 8 mm
- supporting profile for self-supporting mounting between the door jambs



Mounting against the lintel or direct mounting against the wall

- adjustable cover for various wing thicknesses
- hinge type cover





Basic kit for 1-wing sliding door

Flexibility in all functions

The design concept uses modular components thereby ensuring maximum flexibility with a minimum of effort.

Robust drive unit

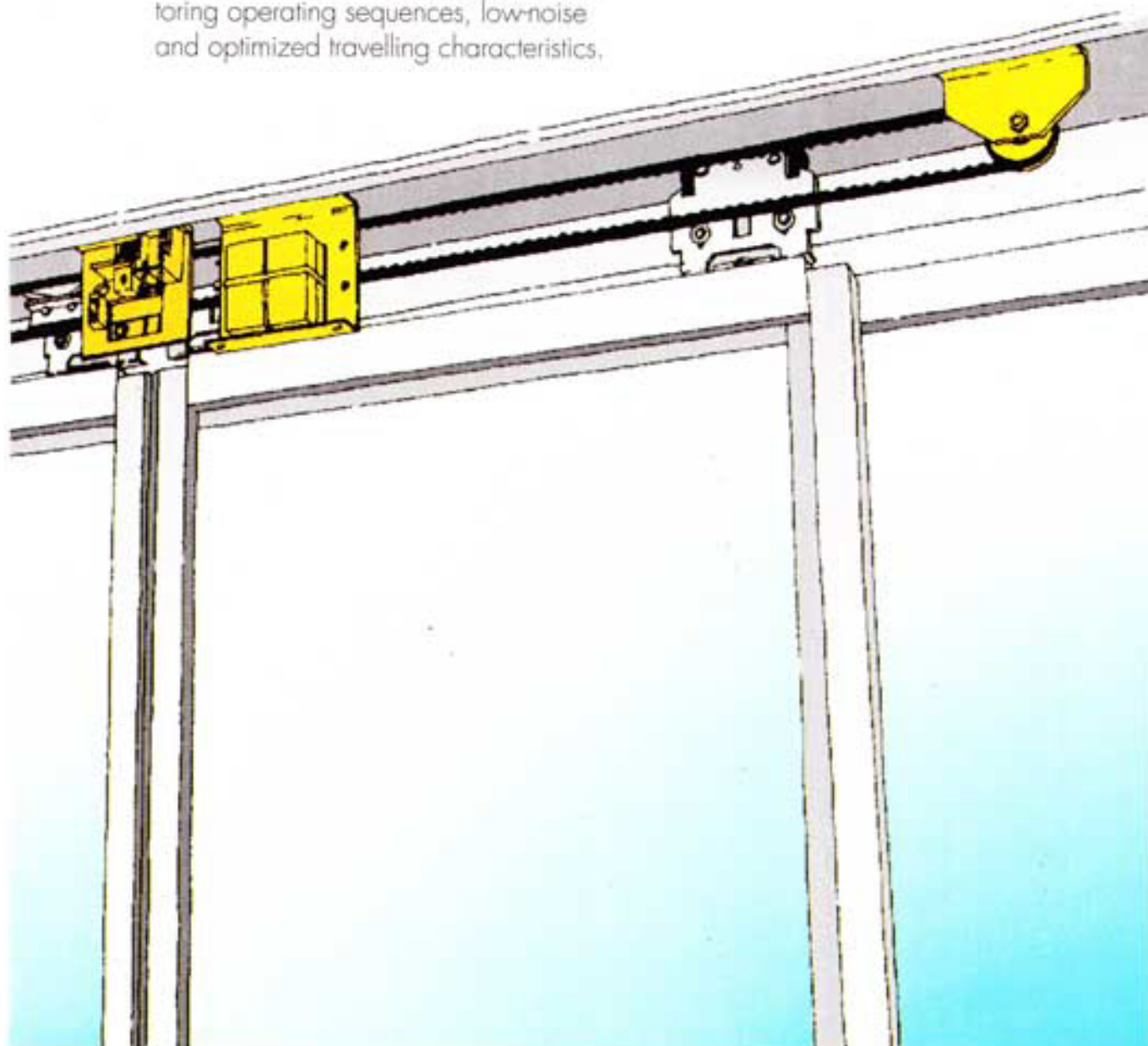
with maintenance-free direct current motor, power electronics for the motor regulation, mains connection with plug supply 200 V/50 Hz.

Intelligent micro-processor system

with automatic self-diagnostic, self-monitoring operating sequences, low-noise and optimized travelling characteristics.

Automatic self-learning process, test with:

- measurement of mass and friction
- preliminary adjustment of the maximum admissible speed, between 0,6 - 0,7 m/s
- maximum static force of 150 N, in accordance with the CEN/FCOS safety regulations
- photoelectric cell testing
- automatic end positioning



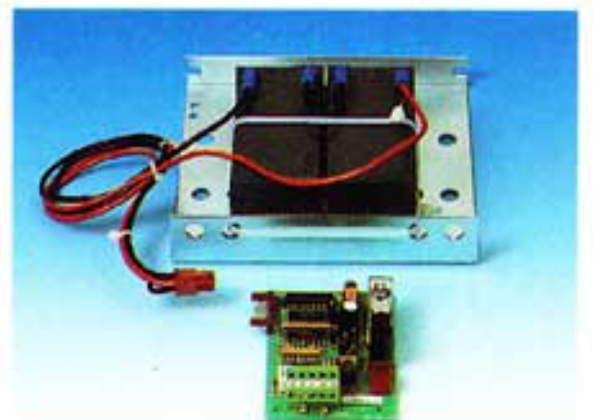
Complementary kit for bi-parting sliding door



Reliable electromagnetic locking mechanism

A subsequent installation is possible at any time and with ease. The memorized lock position ensures direct locking of the closed wings; extension possible with the following options:

- manual unlocking inside/outside
- monitoring of the door position and the locking
- monitoring of the manual unlocking



Long-lasting emergency mode

Battery loading system with monitoring of the voltage

- in the event of a power failure, normal operation can be maintained by the battery (minimum 30 minutes)
- automatic self-test of the battery condition

With "wake-up" switching

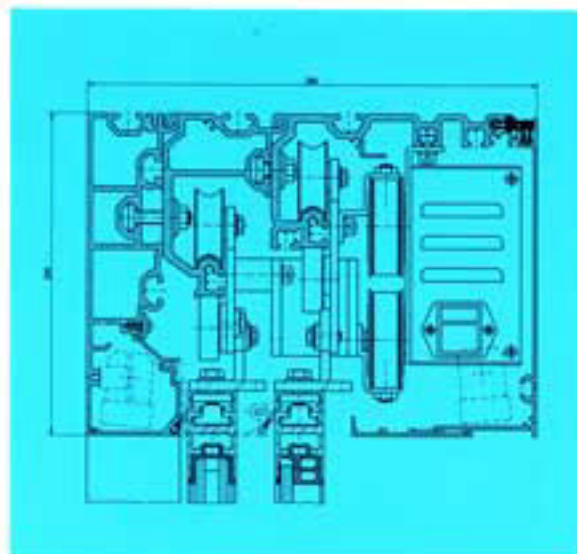
- for one last opening of the locked or unlocked door, after the battery voltage has dropped below a certain level and if the power failure continues

Optimal running characteristics

- with the special carrier profile
- with wear-free and low-noise high resistant covering of synthetic material

A wide choice of options and extension possibilities

- for abnormally high wing weights an additional motor can be added
- interface connections for internal pilot systems
- functional modifications of the object



Double guideway and supporting profile, telescopic door

- Gilgen glass profile system 90
- sensors are incorporated into the drive case on both sides of the unit
- supporting profile for self-supporting mounting between the door jambs
- for various glass thicknesses between 8 and 20 mm, guaranteeing the safety distance of 8 mm

Technical data

Power supply from customer-supplied plug socket	230 V, 50/60 Hz
Connection cable	Length 4 m
Power consumption	SLM = 200 W SLP = 300 W
Static driving power max.	150 N
SLM DUAL	180 N
Application only in dry rooms	65 %
max. relative humidity of air	
Protection rating	IP 23
Ambient temperature	-15 ° to +75 °



Complementary kit for bi-parting telescopic door

- opening to the right or the left

Guideway profile, optimal running characteristics

- with ball-bearing-mounted multiple rollers made of wear-free synthetic material
- with wing suspensions with lateral and height adjustment



Complementary kit for 4-wing telescopic door

- the modular system allows to use any existing wing system
- profile systems, individual flexibility

Application and opening widths

Gilgen Sliding door drive		SLM	SLM DUAL	SLP redundant
1 wing	clearance width wing weight	700 - 3000 mm 1 x 150 kg		900 - 1400 mm 1 x 80 kg
2 wings	clearance width wing weight	800 - 3000 mm 2 x 100 kg	1000 - 3000 mm 2 x 150 kg	1000 - 2400 mm 2 x 100 kg
2 wings telescopic	clearance width wing weight	1100 - 3000 mm 2 x 100 kg		o o
4 wings telescopic	clearance width wing weight	1400 - 4000 mm 4 x 60 kg	1900 - 4000 mm 4 x 100 kg	o o
Adjustable speeds		0.3 - 0.7 m/s		acc. to regulations
Reversing mechanism		p		p
Stopping mechanism		p		i
Locking		p		p
normal/inverted via software				
Central locking CLS		p		p
Manual unlocking inside/outside		p		p
Drugstore locking		upon request		i
Emergency operation		24 V		36 V
Escape route swing-out		i		upon request
Escape route redundant		i		m (with PS90)
emergency opening mech. storage element				required
redundant radar in escape way direction				required
lockable night setting				required
Gilgen profile system PS90		p (LH max. = 2500)		p (LH max. = 2500)
Foreign wing system		p		p
Continuous floor guide rail 1/2 wing(s)		recommended		recommended
Continuous floor guide rail telescopic		p		i
Special and additional functions		upon request		upon request
TüV-approved execution		yes		yes

p = possible / i = impossible



PAXTER (M) SDN. BHD.

(241889-D)

No. 30 & 32, Jalan TPJ 9, Taman Perindustrian Jaya,
47200 Petaling Jaya, Selangor Darul Ehsan, Malaysia.
Tel: 603-7845 9868 (Hunting) Fax: 603-7845 2868
E-mail: sales@paxter.com.my Website: www.paxter.com.my

Gilgen AG - the way to be sure!

We will provide reliable support from planning through implementation to specialized after-sales customer service. To receive further information or advice, please contact our nearest Sales and Service Center.

Your regional specialist for automatic doors

KABA®

Manufacturer
Kaba Gilgen AG
International distribution
Freiburgstrasse 34
3150 Schwarzenburg, Switzerland
Phone +41 31 734 41 11
Fax +41 31 734 43 79
info@kgs.kaba.com

www.kaba-gilgen.ch