

SIO DRIVE SYSTEMS FOR SWING DOORS



SIO VASUNDDHARA
INTERNATIONAL PRIVATE LIMITED

PEOPLE | CUSTOMERS | GROWTH

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SIO Drive Systems for Swing Doors.

It is a universal drive system for the automation of swing doors. It is characterized by sophisticated technology, compact design and SIO's legendary smoothness of operation. Focus on a broad range of applications makes it a full-fledged drive, suitable for widely differing requirements.

ONE DRIVE SYSTEM WITH FOUR ORIENTATIONS



The **STRONG** one very versatile

Key benefits:

- Universal, powerful programmable
- Extensive functionality without additional modules
- Robust, reliable mechanics

Recommended use:

- For use of large, heavy doors



The **GENTLE** one with reduced motion energy

Key benefits:

- Depending on location, little on no additional sensors required
- Lowers inhibition threshold, even in elderly people
- Its gentle operation is convenient and inspires confidence

Recommended use:

- For environments with people of limited / slow reactions.



The **SAFE** one opens without mains power

Key benefits:

- No emergency power supply required
- Opens by spring force
- Door hinge is integrated into drive (no tripping hazard on the ground)

Recommended use:

- For emergency evacuation of exit in case of fire or power failure.



The **RELIABLE** one closes reliably in case of fire

Key benefits:

- Combines comfort with safety
- Can be used with various fire-protection profile systems.

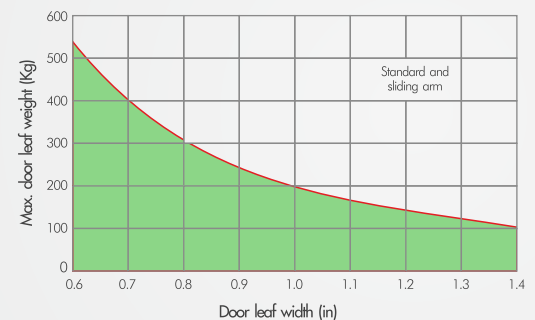
Recommended use:

- Acts as a fire and smoke barrier

TECHNICAL SPECIFICATIONS

Dimensions of the operator (H x W x L)	85 x 124 x 600 mm or 110 x 126 x 600 mm
Door closer size	EN4 - EN6 for standard arm and slide arm
Opening time / closing time	3 - 20 s / 5 - 20 s
Opening angle	70-115° (INVERSE up to 95°)
Electrical power supply	230 V AC, 50/60 Hz
Rated power	67W
Consumption in standby mode	13W
Operating modes with internal BDI operating switch	Automatic operation / Continuously open / Manual operation
Operating modes with BDE-D control panel with display (optional) in addition to the standard modes	Locked / One-way traffic / Operation lock
Functions	Automatic reverse, Touch control (push and go), Emergency stop, interlock control or 2-leaf doors, Customer-specific door parameters.
Options	Electro-magnetic brake, Integrated mechanical sequential control SFR 127. Special control option: << barrier free WC access >>

DOOR LEAF WEIGHTS AND DOOR WIDTHS



The curves are calculated using the following formula: $J = 1/3 \times m \times b^2$

Slide arms: J max. 65 kgm² Key: J = mass moment of inertia kgm²
 Standard arms: J max. 65 kgm² m = door leaf weight in kg
 b = door leaf width in m

Arm type	Maximum authorised door closers - according to size		
	EN 4	EN 5	EN 6
Standard arm	authorised	not authorised	not authorised
Slide arm pulling	authorised	authorised	not authorised
Slide arm pushing	authorised	authorised	not authorised



www.sio.co.in

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Founded with the vision to work with fairness, honesty and courtesy towards all internal and external stakeholders to achieve the company's objectives, Sio Vasunddhara International has serviced such prestigious names as ABB, DLF, LnT, PVR, TAJ hotels and resorts, Unitech, Fortis, Airtel, bata, The Oberoi, HP, Raheja developers and many others.