SDR

AUTOMATION FOR SWING DOORS

PONZI®
INGRESSI AUTOMATICI

SDR

AUTOMATION FOR HINGED DOORS "HEAVY" TYPE

SDR

SINGLE WING FOR SWING DOOR


SDR entrance door kitchen


SDR entrance door kitchen

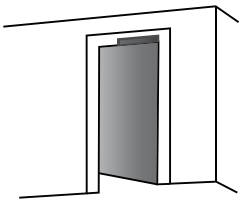

SDR door, single wing entrance for pharmacies


SDR door, internal filter hospital

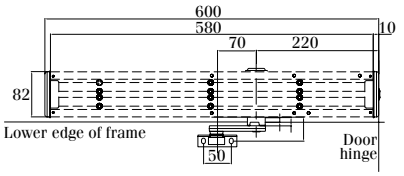
The SDR is a universal drive system for the automation of swing doors. It is characterized by sophisticated technology, compact design and especially legendary smoothness of operation. The focus on a broad range of applications makes it a full-fledged drive, suitable for widely di ering requirements.

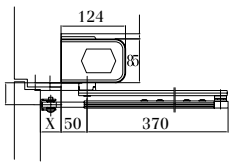
UNIVERSALLY APPLICABLE

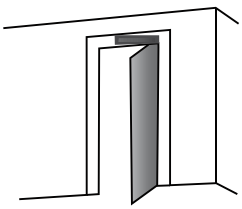
Its universal qualities are mainly due to its electro-mechanical construction, and partly due to its modular design. When the door drive motor operates, it simultaneously tensions a spring integrated in the drive housing. The shu-t ting movement uses energy stored in the spring, which, depending on requirements, is also motor-assisted. Even without motor assistance, thanks to ingenious mechanics, optimum power deployment is achieved in the entire door swing area. This is necessary to move the door reli - ably to its end position against draft resistance, for example, and also complies with the norms and standards of current safety requirements. The SDR is a vailable to operate doors in sizes EN4 to EN6. The di erent spring forces required can be quickly and precisely adjusted on the spot using the special adjustment screw. In detail, this model also provides many other sophisticated features, allowing pre-defined door types to be quickly and easily adapted to local and country-specific circumstances.



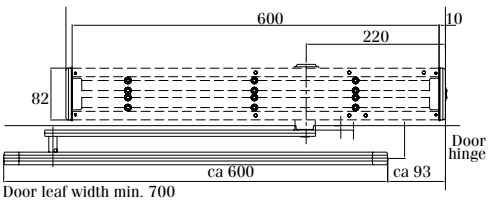
PUSHING STANDARD ARM
(1-leaf door); Standard bars, DIN left or right, pushing; drive variant for pushing sliding bars avaible.

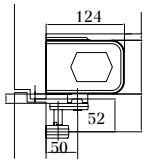


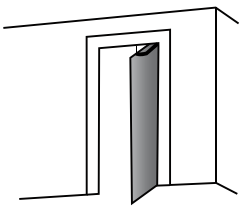




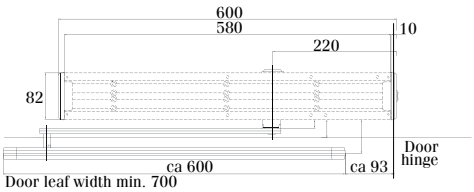
PULLING SLIDE ARM
(1-leaf door); Slide arm DIN left or right pulling.







PUSHING SLIDE ARM
(1-leaf door)Arm and possible combinations such as Intel Installations



SDR

DOUBLE SWING DOORS


SDR door, internal filter airport


SDR door, entrance hotel

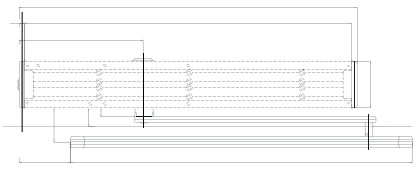
FEATURES
· DIN 18 650-compliant technology, approved worldwide.
· Approved as a hold-open system for fire protection barriers
· Can be used with various fire-protection profile system such as Jansen, Forster, heroal and Schüco.
· Features gerontology technology for barrierfree access.

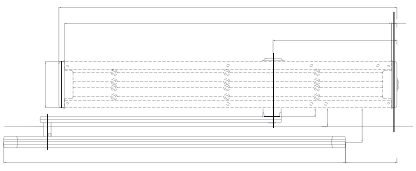
VARIATIONS
· Double swing doors with or without maste /slave operation.
· Power saving mode: adjustable opening of one or both door panels (stretcher opening)
· Integrated sequential closing control fordouble-leaf fire door applications.
· Interlock function for two single doors installed consecutively.
· Direction-oriented opening for oncoming traffic in corridors.
· Opening or closing without current.

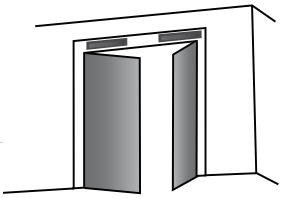

SDR door, internal filter hospital


SDR door, entrance offices

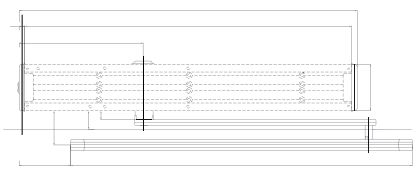

SDR door, internal filter hospital

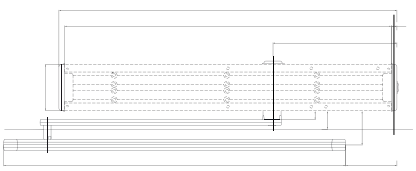


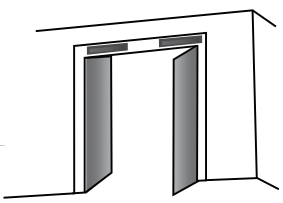




Lintel installation
(2-leaf door, master/ slave operation); Two electrically coupled drives with standard arm pushing or slide arm pullin.







Lintel installation
(2-leaf door with two-way traffic)Alterating operation of two drives that are independed of each other.

MASTER & SLAVE FOR DOUBLE SWING DOOR ENTRANCE

SDR

SWING DOOR FULL POWER AND LOW ENERGY

SDR door, entrance shop


SDR door, entrance shop


SDR door, internal filter hospital


SDR door, entrances service center

The FULL POWER and LOWE NERGY versions demonstrate that the SDR is the correct choise despite conflicting requirement. The strength of the FULL POWER version can move doors of several hundred kilos in weight, whereas the LOW ENERGY version, however, is limited to 1.6 joules of kinetic energy to enable it to operate safely without special sensors.

The SDR Full Power is the powerhouse in the family of record swing door operators. Its adjustable spring force gives it great versatility, and can be adjusted on the spot, enabling a range of door sizes from EN4 to EN6 to be used. This enhances its flexibility, enabling it to take additional customer specific setting. Its sophisticated technology is under the auspices of the record control, enabling complex functions with optimum power deployment in the entire swing area.

ESPECIALLY SUITABLE FOR USE IN:
- Retail outlets
- Airports
- Adminitration and office buildings
- Restaurants and hotels.

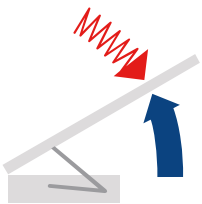
The SDR Low Energy is the ideal drive for environments where people move only slowly and have limited reaction capacity, such as hospitals and nursing homes. Kinetic energy is limited to 1.6 joules, which means the safety of people in the swing area, even in the absence of additional security sensors, is not compromised.

ESPECIALLY SUITABLE FOR USE IN:
- Homes for the elderly and disabled
- Hospitals, clinics and retirement homes
- Private homes and apartments.

SPECIAL BENEFIT:
- Thanks to its smooth, even movement, it lowers the inhibition threshold of slowreacting people.
- Additional security sensors can be dispensed with.
- Practically silent operation preserves the peace and quiet of living areas.

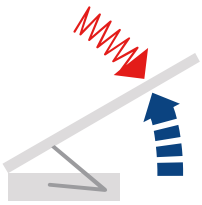
FULL POWER, KEY BENEFITS
- Universal, powerful, programmable
- Extensive functionality without additional module

RECOMMENDED USE:
- Optimized for the use of large, heavy doors
- Provides a high level of dynamism



LOW ENERGY, KEY BENEFITS
- Depending on location, little or no additional sensors required
- Lowers the inhibition threshold, even in elderly people
- Its gentle operation is convenient ad ispires confidence

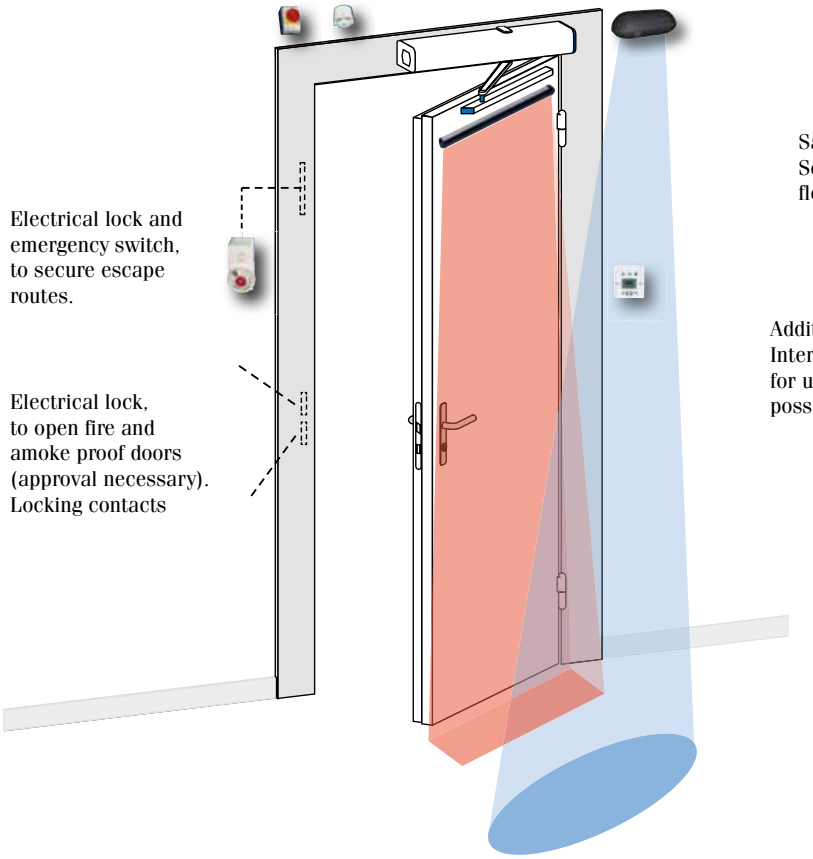
RECOMMENDED USE:
- Suitable for enviroments with people of limited or slow reactions



FEATURES AND DESIGN

MECHANISM AND FUNCTIONS

A modular system of automatic operator for different use is the favourite choice for many installations with a valid certificate where the qualiy meets the requirement and the specification of the european norms EN16005 , the special electro-mechanical construction are partly due to its modular design. A valid solution for any custom request, the aesthetic characteristic are of a box in stainless steel material as standard, or painted in RAL finish when the door drive motor operates of a spring integrated in the drive housing. The shutting movement uses energy stored in the spring, which, depending on requirements, is also motor-assisted.



Electrical lock and emergency switch, to secure escape routes.

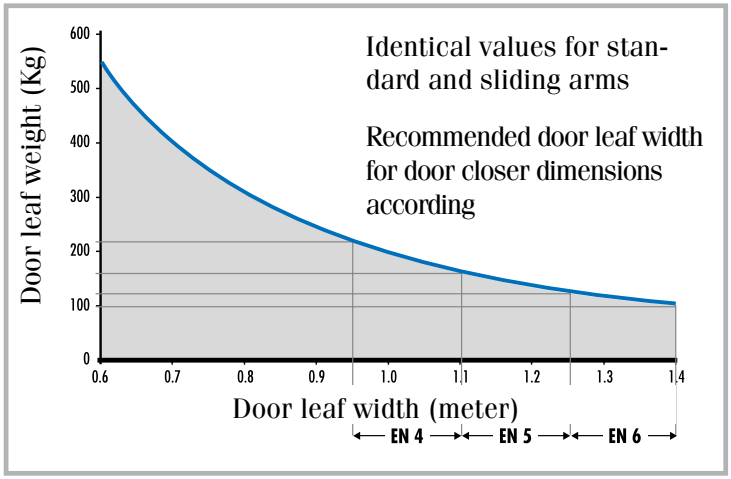
Electrical lock, to open fire and amoke proof doors (approval necessary). Locking contacts

Safety + security sensor (both sides)
Sensor bar to monitor door swing area: flexible cable routing for existing doors

Additional options
Interlock integrated sequential control, for use with fire protection doors (only possible with housing 108 mm high)

Control panel
BDI (toggle switch standard)
Options: BDE-D with display, manual switch, BDE-M (mechanical key switch instead of BDI)

DIAGRAM WEIGHT-ARM



Dimensions of the operator 85x124x600 mm or 110x126x600 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 67 W
Consumption in standby mode 13 W
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:
Automatic operation, Continuously open, Manual operation
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”
Hold-open system for fire and smoke protection doors

ACCESSORIES & OPTIONAL

The considerable experience gained from over 20 years of activity of Ponzi Ingressi, in the design and production of automatic entrances and doors, allows us to satisfy the functional, technical and aesthetic requirements necessary for each type of application. Ponzi is able to offer the answer to every application, functional and aesthetic requirement. In the range of SDR automations, many types of accessories are available, such as control devices, impulse devices, electrical contacts, etc. The Ponzi technical and commercial office is available to illustrate and advise on the solutions suitable for the different environments, which vary from the commercial, residential, to the health and hospital sectors.

SWITCHES PULSE AND CONTROL SENSOR

Radar bidirectional

Control Panel

Key contact


Numeric keypad code


Magic switch


Foot button


Elbow switch slight


Elbow switch wide

SAFETY DEVICES


Scheda master slave


Safety sensor


Finger safety

Emergency button

PONZI
INGRESSI AUTOMATICI

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