

IS9100



PRODUCT:

Swing door operator.

For doors up to 1100 mm in width and 160 kg in weight.

For internal doors and doors opening outwards.

APPLICATION:

The device IS9100 is an electromechanical swing door operator for single or double leaves doors. It can be installed both on new and existing doors. It can be operated in 2 modes: automatic swing door operator mode (i.e. opening after a pulse generated by motion sensor or pushbutton) and manual opening mode (i.e. the device is used as a traditional door closer).

The device is equipped either with a sliding arm for the installation on pull side or with a standard arm for the installation on push side with lintel depth of 225 mm maximum.

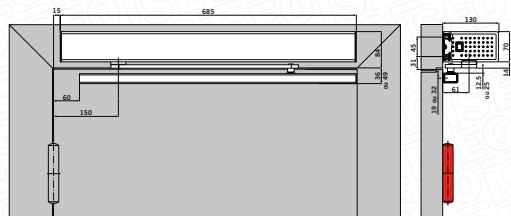
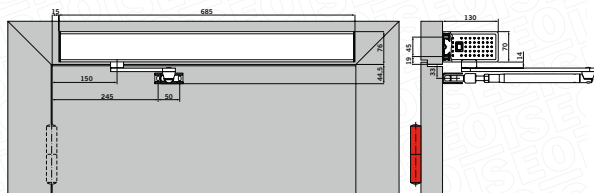
The device is protected by an elegant cover 70 mm high only.

An integrated internal selector allows to easily set 4 different functions:

- Off;
- Automatic;
- Permanent opening;
- Exit only.

In case of power failure, the device works like a simple door closer.

With the manual opening mode, the function “power assist” allows to make the opening more comfortable.



TECHNICAL FEATURES:

Application conditions:

- Ambient temperature: -15°C +50°C
- Air humidity max. 93 % non-condensing
- Power supply:
230 VAC +10%/-15%, 50Hz
- Protection grade: IP 20

Dimensions (LxHxD):

685 x 70 x 130 mm

Max. power input:

120 Watt

Closing force EN1154:

EN2-4 adjustable (also after installation)

Max. door panel weight:

160Kg, (with “Full Energy” upgrade card) depending on the door panel width.

Lintel depth: up to 225 mm

Door panel width : 700 – 1100 mm

Min. clearance between the hinges of the 2 door panels: 1500 mm

Device weight: 12 kg

Power supply for external devices:

24 VDC +/-5%, 1,5 A

Door opening angle: max 110°,

depending on the type of installation

Fuse on power supply

(not included): 16 A

Noise during operation:

max 50 dB

Software (Firmware):

on-site upgrading

Signalling:

- Leds: green, red, yellow
- Display for programming

Advanced features:

- temperature related overload protection
- driving speed automatic optimization

IS9100

MAIN FEATURES:

- Speed adjustment.
- Hold open door adjustment.
- Safety sensor management
- Lock open input management
- Latching action adjustment
- Function "Push & Go"
- Emergency opening or closing programmable (Fail Safe or Fail Secure)
- Force adjustment from 2 to 4 according to standard EN1154
- Opening angle adjustment: until 110°
- Low noise functioning (<50dB)
- Temperature overload protection
- Wind impact automatic adaptation
- Integrated in Iseo Access Control Systems

It is possible to improve the door operator's performance thanks to the upgrade card "full energy" for doors with weight over 120kg, doors separating rooms with different pressure and/or doors in locations with wind impact.

INSTALLATION/ARM CONFIGURATION

Sliding arm: pull side

Sliding arm: push side (not suitable for fire resistant doors)

Standard arm: push side

Standard axle extension 9 mm (included)

SWING DOOR OPERATOR IS9100 (without cover and arm)

ARM AND ACCESSORIES:

Single cover (silver)

Standard arm

Sliding arm

Axle extension 30 mm

Axle extension 60 mm

Upgrade card "full energy"



INPUTS:

Connecting terminals:

max 1.5 mm²

Potential-free activator:

internal and external (NO contact)

Powered activator

(intercom, key switch,...):

- 8 – 24 VDC/AC + 5%

- NO contact/NC contact

Safety Sensor

(intercom, key switch,...):

- hinge side and opposite hinge side

(NC contact)

Test signal for safety sensor:

hinge side and opposite hinge side

Shutdown drive function:

NC contact/NO contact

OUTPUTS:

Connecting terminals:

max 1.5 mm²

Potential-free status contact (relais):

Programmable

- Door closed

- Door open

- Error

- Door closed and locked