



Designed for intra-building sites, the SL931 provides easy access to users with reduced mobility (wheelchairs, trolleys, bulky equipment, etc) and easy evacuation of the building in case of emergency.

The SL931 differs from SL930 by a higher pillar height, allowing the fitting of higher obstacles.

Its sober design aims to control access in prestigious entrances.

As it is bidirectional, the obstacle opens in the user's direction of passage.

The obstacle is mechanically locked in its closed position.

Possible configurations:

- alone, facing a wall or a guardrail,
- facing each other (independent operation),
- facing each other (simultaneous operation),
- grouped with security entrance lanes or turnstiles.

## Description

1. Steel central pillar treated against corrosion by epoxy paint, fixed to the floor by means of an adjustable base allowing easy levelling.
2. Passage obstacle in clear toughened glass, thickness: 10 mm.
3. AISI 304 stainless steel panels, brushed finish, giving easy access to the electro-mechanical group and to the control board.
4. Electro-mechanical group with a geared motor and an impulse encoder connected to the control board, enabling permanent feedback about the glass position and an appropriate reaction by the control board.
5. Control board with LCD and push-buttons for configuration of obstacle movement and test functions.

## Operation

At rest, the gate is maintained closed by an electro-mechanical lock.

The gate can be activated by an impulse from an access control system such as push-button or card reader installed on a support post or from a console in the reception area.

After activation, the gate opens automatically (in the direction of the walkway) or by means of a light push. The opening angle is adjustable. The obstacle remains open and closes automatically after a preset time delay

The opening speed can be adjusted to meet local requirements.

If the gate is obstructed while rotating, the obstacle reverses and makes successive attempts to complete the cycle. These attempts are made with reduced strength to avoid hurting the user.

If the last attempt is still unsuccessful, the motor is automatically switched off to prevent overheating.

A Fire Detection command enables to open the gate immediately (opening direction selectable).

In case of power failure, the gate unlocks and can be opened by pushing the glass leaf.

### Standard technical characteristics

- Power supply: 230V AC single phase, 50Hz (not to be connected to a floating network or to high impedance earthed industrial distribution network).
- Nominal power consumption: max 200 W.
- Ambient temperature: between -20<sup>(\*)</sup> to +60°C  
(\* Thanks to the heat generated by the powered internal equipment.
- RH: < 90%, without condensation.
- Closed position: adjustable over 360°.
- Opening angle: adjustable between 90 and 120 °.
- Minimum opening time (adjustable): 2.5 s
- Closing time = opening time.
- Hold time in opening position: adjustable between 0 and 100 s.
- Weight (including obstacle): between 100 and 120 kg, according to obstacle's height.
- MCBF (Mean Cycles Between Failures), when respecting recommended maintenance: 1,000,000 cycles.
- IP 51.
- EC compliant.
- DAS Certified (Powered Security Device) in accordance with Fire Safety NF S 61-937 standard.

### Options

- Obstacle 1400 or 1900 mm high from ground level. (for lower obstacles, see SL930).
- Support post for card reader integration.
- Support post with push-button (for free entry or exit).
- 120 VAC – 60 Hz power supply.
- Monitoring panel (requires IP interface option).

### Work to be realised by the customer

(See installation plan)

- Power supply.
- Electrical wiring to the control units.
- Possible masonry work.

### Standard dimensions (mm)

