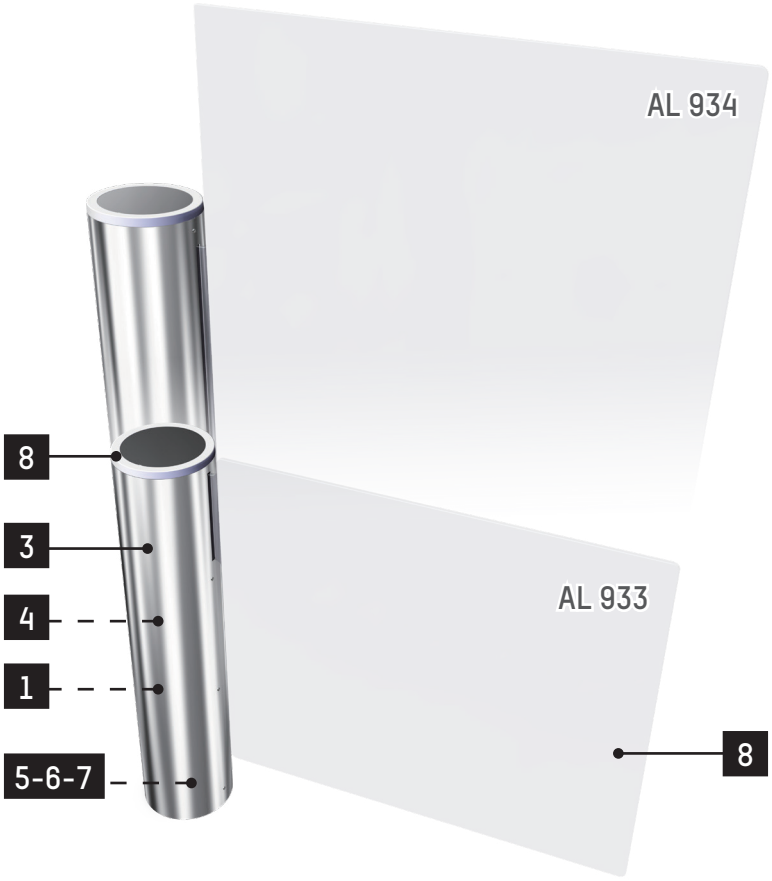
AccessLane

Datasheet

Rev. 04 • Update 05/2022

AUTOMATIC SYSTEMS

AccessLane™



Designed for use in intra-building sites, the **AccessLane** swing gate facilitates the passage of people with reduced mobility (wheelchair users, service staff with trolleys, bulky equipment, etc.) as well as the evacuation of the building in an emergency.

Its discreet design makes it particularly suitable for access control in prestigious access areas.

Since the gate is bi-directional, the obstacle opens in the user's direction of passage.

Possible configurations:

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

DESCRIPTION

1. Steel central pillar with RoHS anti-corrosion zinc plating treatment, fixed to the floor by means of an adjustable base allowing easy levelling.
2. Passage obstacle in 10mm clear toughened glass.
3. AISI 304 brushed stainless steel, folded and welded panels for easy access to the electromechanical unit and the control logic unit.
4. Electromechanical drive for operation of the obstacle, consisting of:
   - a brushless motor coupled to a planetary gearbox;
   - a electromagnetic sliding brake; [1]
   - an encoder;
   - a power supply board controlled by the control logic unit.
5. Electronic control logic using the ARM Cortex A8 technology and the Linux operating system, for advanced system control. A built-in Web server accessible from any standard Web browser, provides a simple interface for configuration of the gate's functional parameters and a complete diagnostics and maintenance tool.
   The maintenance interface is common to multiple Automatic Systems products and greatly facilitates product maintenance.
6. Data transfer with the outside world via the XML-RPC protocol over an Ethernet interface.
   The AccessLane can also be controlled from the Smart & Slim operator console.
7. Data transfer by dry contacts: passage authorisation, passage data, fraud, technical defect, etc.
8. Status light indicating gate and passage status to the user.

1 Theoretical rated torque: 200 Nm for AL933 - 280 Nm for AL934 - Torque in safety mode: 0 Nm.

OPERATION

The gate is activated by an impulse from an access control system such as a push-button, a motion detector or a card reader installed on a support post, or from a remote program selector located in the reception area.

After passage authorisation, the gate opens automatically (in the user's direction) or by means of a light push, depending on the selected mode. The opening angle is adjustable. The obstacle remains open and closes automatically after a pre-set time.

The opening and closing speeds can be adjusted to meet local requirements.

If the gate is obstructed while rotating, it will stop immediately and make successive attempts to complete the cycle.

If the last attempt is still unsuccessful, the time-out between two attempts will be increased to prevent overheating and the system will be restarted as soon as possible.

A Fire Detection command enables immediate opening of the gate (selectable direction of opening).

In case of a power failure, the gate unlocks and can be opened by a light push.

STANDARD TECHNICAL CHARACTERISTICS

	AL 933	AL 934
Free passage [L]	900 mm 1050 mm 1250 mm [1]	900 mm 1050 mm 1250 mm
Min. opening/closing time [2]	4 sec.	6 sec.
Weight [3]	55 kg	72 kg

Power supply [4]	Single phase 110 VAC (1A)-240 VAC (0,5A) (+/- 10%) - 50/60 Hz + Ground.
Consumption	Standby: < 10W Operating: 15W
Peak current	< 1 A
Leakage current	< 3,5 mA
Motor	24 VDC - output power 30 W.
Ambient operating temperature	-10° to +50°C
Relative ambient humidity	< 95%, without condensation
MCBF (Mean cycles between failures)	**5.000.000** cycles, in compliance with recommended maintenance
IP rating	IP42
CE	Complies with European standards

[1] Stainless steel roll bar also available as an option in this size.

[2] Depending on the access control system reactivity and the user speed.

[3] Without obstacle and option.

[4] Not to be connected to a floating network or to high impedance earthed industrial distribution network.

WORK TO BE PROVIDED BY THE CUSTOMER

- Floor mounting.
- Power supply.
- Wiring between lanes of a single group.
- Wiring to external peripheral equipment, if any.
- Integration of accessories.

Note: Please follow the installation plan.

CONFIGURATIONS

	AL 933	AL 934
Swinging glass obstacle height: 900, 1000 or 1200 mm, from the ground	•	
Swinging glass obstacle height: 1500, 1700, 1800 ou 1900 mm, from the ground		•
Swinging glass obstacle for passage width 900, 1050 or 1250 mm	•	•
Master/Slave operation	•	•

OPTIONS

	AL 933	AL 934
Escape route button per EN 13637 norm, to be installed on a wall	•	•
Support post for client needs	•	•
Support post with push button	•	•
Support post with escape route button per EN 13637 norm	•	•
Support post with motion sensor	•	•
Post with reader support on request	•	•
Master/Slave operation	•	•
Master-slave operation (in case of EN 13637 option)	•	•
Personalized logo on glass leaves : sticker like sand blasting	•	•
Outdoor version (IP54 & stainless steel 316L) with a roll bar for 1250mm free passage width [6]	•	
Indoor version (IP42 & stainless steel 304L) with a roll bar for 1250mm free passage width [6]	•	
"Smart & Slim" monitoring panel.	•	•
"Smart Touch" configurable interactive control panel.	•	•

[6] A shorter length of the roll bar is possible, please contact us for feasibility.

Note: For restrictions on options, please contact us.

AccessLane

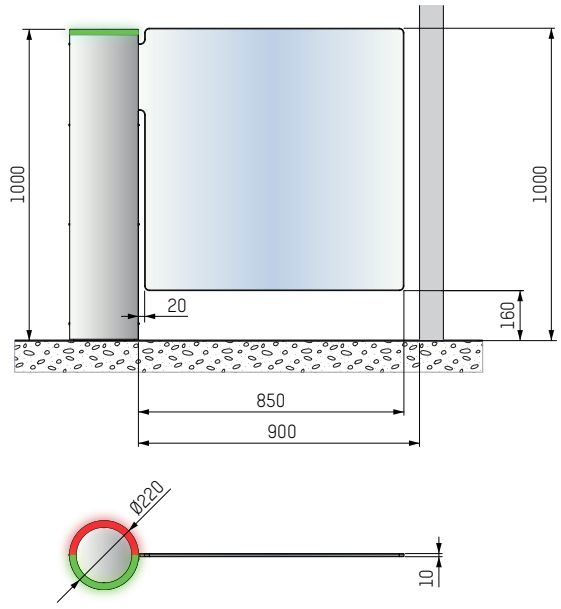
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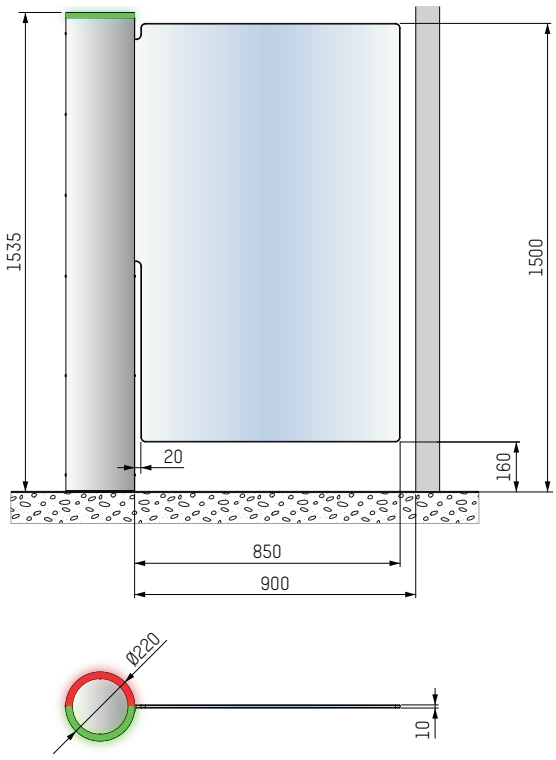
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STANDARD DIMENSIONS (MM)

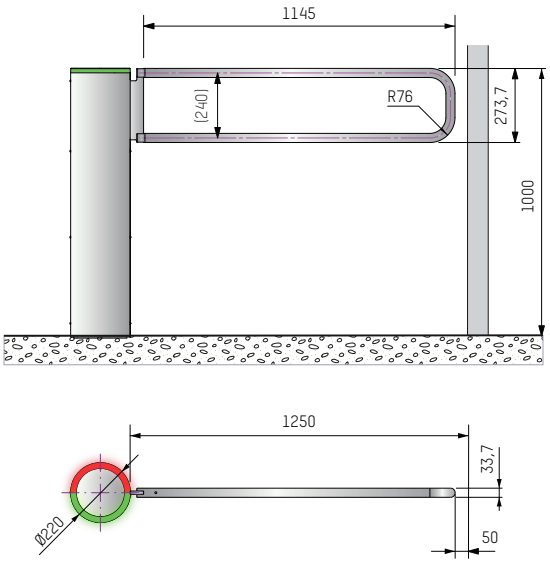
AccessLane 933



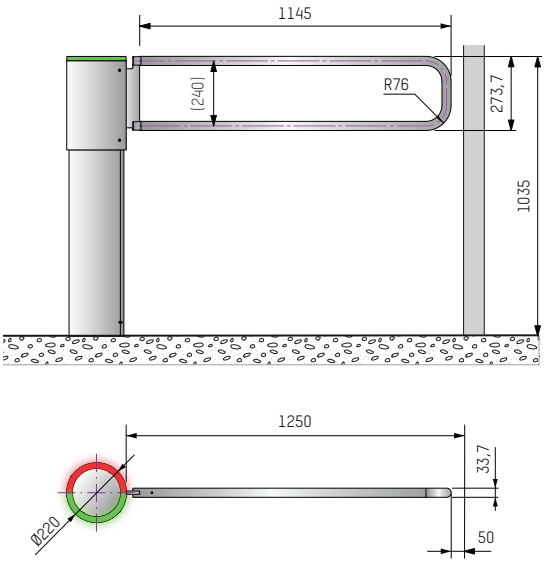
AccessLane 934



Roll bar obstacle (Option)



Indoor version IP42



Outdoor version IP54

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