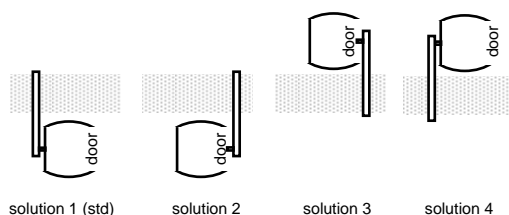


Versatile rising barrier for medium to high flow traffic: perimeter fencing, traffic management, parking areas.

Description

1. Housing made of folded and welded sheet steel, from 2 to 6 mm thick, protected by two coats of paint (standard colour: orange RAL2000).
2. Internal mechanical elements treated by RoHS-compliant electrogalvanisation.
3. Side door giving access to the mechanism, with security lock.
4. Removable cover, locked by key.
5. Aluminium tube boom arm, varnished white with red reflecting stripes and end-sealing.
6. Arm shaft mounted on two life-lubricated ball bearings. The protrusion of the shaft, centred on the housing side, allows it to be easily reversed from one side of the housing to the other: arm on the left or on the right of the framework housing.
7. Arm balancing by springs.
8. Electro-mechanical assembly including:
 - An asynchronous three-phase geared motor.
 - Movement transmission by crankshaft-rod device insuring mechanical locking of the boom arm in end positions.
 - Automatic barrier unlocking device in case of power failure, opening then being possible by hand.
 - Frequency converter ensuring progressive accelerations and controlled decelerations, for a vibration-free movement and enhanced protection of the mechanism (adjustable acceleration and braking ramps).
 - Limit switches activated by leaf spring.
9. Lever for manual unlocking (if not automatic mode set up).
10. AS1320 control board enabling various additional commands and/or accessory options.
11. Parametrable information contacts:
 - State of the barrier's position (open or closed),
 - State of the presence detectors,
 - Command for master-slave barriers (movement of one barrier controlled by the other barrier),
 - ...
12. Fixing frame to be fixed in a concrete base to be provided by the customer.

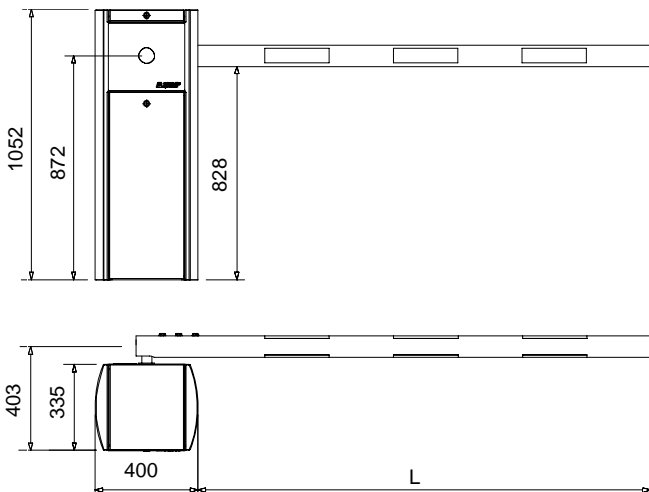
Conventions:



Technical Characteristics

- Electrical power supply: single phase 230VAC, 50/60Hz.
- Power consumption (rest/movement): 55 / 335 W (at maximum speed and without options).
- Three-phase asynchronous 250W motor.
- Life-lubricated worm-screw speed reduction unit.
- Aluminium tube boom arm, with round section diameter 84 mm.
- Length of boom arm (L): 2 to 6 m.
Beyond 5 m, a standard tip support at the end of the arm is supplied.
- Operational temperature: between -20° and $+45^{\circ}\text{C}$.
- Operation unperturbed by winds of 120 km/h.
- Minimum operation time: from 1 to 4 seconds according to the boom length and the options chosen.
- Net weight (excluding arm) 83 kg.
- MCBF (mean cycles between failures): 2,000,000, with normal maintenance.
- IP54.

Dimensions



Options

- Push button(s) box.
- Key switch on housing.
- Command by radio transmitter/receiver.
- Inductive loops for cars or trucks detection.
- Presence detector.
- Photo electric cell (automatic opening, closing after passage, safety).
- Cell support post.
- Cell fixed on housing.
- Rigid folding skirt ⁽¹⁾.
- Chain links plastic skirt ⁽¹⁾.
- Flat folding arm ⁽¹⁾⁽²⁾.
- Round folding arm ⁽¹⁾⁽²⁾.
- Arm swing-off device in case of vehicle impact ⁽¹⁾⁽²⁾.
- Detector for arm swing-off.
- Rubber protection profile on arm.
- Standard tip support for arm of < 5 m.
- Folding tip support ⁽¹⁾.
- Electro-magnetic tip support ⁽¹⁾.
- Boom lighting ⁽¹⁾.
- Traffic lights fixed on a post in housing.
- Traffic lights.
- Support post for traffic lights.
- STOP traffic sign ⁽¹⁾.
- Non standard colour.
- Inductive limit switch sensor (IP65).
- Raised base.
- 120 VAC, 60 Hz power supply ⁽³⁾.
- Double limit switches for information on BL status in the event of power failure.

⁽¹⁾ Reduces the arm's range. Consult the "Utilisation Limits" table.

⁽²⁾ Certain options are mutually incompatible. Consult the "Incompatibility" table.

⁽³⁾ Reduces performances.

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