

The electromechanical road blocker RSB76E was designed as an effective means of controlling access to high security areas (Impact resistance: theoretical K4 - 610KJ) such as embassies, airports, strategic factory sites, etc ...The RSB76E offers the advantage of not requiring a side column to house the drive mechanism.

The electromechanical drive is operated through a control cupboard that can be positioned as far away as 50m. This facilitates placing several barriers end to end to control exceptionally wide access points.

This electromechanical version offers the following advantages : safer thanks to torque control,easier to install and maintain, and environment-friendly.

The RSB76E is available in 3 widths: 3000, 3500 and 4000 mm (width of the rising obstacle)

Description

1. Checker steel plate obstacle, 5 mm thickness, welded onto a frame of thick section profiles. The obstacle unit is articulated on a hinge (axle in stainless steel). The obstacle is operated by 1 heavy duty ram. Two other small rams ensure the effective locking of the obstacle in raised position, for ensuring proper resistance to an impact whatever its direction.

The position control of rams is made by waterproof inductive sensors, without any movable part likely to distort.

2. The barrier front face is formed by curved plating closed at both ends, white enamelled with chevron-shaped red reflecting stripes, which encloses the mechanism.

3. Metal frame sealed into the concrete pit.

4. Control cupboard (not presented on the illustration) with magneto-thermal overload protection, programmable control system with visual status display of all sensors (See plan available on request). The RSB76E is operated by a 3-push button box (open - stop - close)

5. Raising mechanism (not shown on the diagram) comprising:

- an electric motor
- an linear actuator
- inductive proximity transducers (IP67)

6. Two-colour, unidirectional traffic light (green/red) delivered with wall mounted brackets.

7. Duct linking the barrier to the power generator.

8. Access to ram and position sensors for maintenance is provided through the obstacle's checker steel plate.

Technical characteristics

Impact resistance : DOD K4 (it stops a 6,8 Tons vehicle at a speed of 48 km/h ;calculated numerically (FEM).

Height of raised obstacle: 665mm.

Widths of obstacle: 3000, 3500 & 4000 mm

Dimensions of control cupboard: width: 760 mm
height: 1000 mm
depth: 300 mm

Power supply : 230V single phase

Power consumption: max. 1,5 kW

Operating temperature: -20°C to + 50°C
(Control cupboard to be kept in room between 0°C and 40°C)

Net weight of equipment: 1170 kg with a 3000 mm obstacle
1372 kg with a 3500 mm obstacle
1575 kg with a 4000 mm obstacle

Net weight of control cupboard : 35 kg

Operating time: 4 sec for 3 m obstacle
5 sec for 3.5 and 4 m obstacle

Maximum load allowed: 20 T per axle

Options

- Additional two-colour traffic light.
- Post to install traffic light(s) (standard AS model)
- Additional push button box.
- Vehicle presence detector with inductive loop.
- Painting other than standard RAL2000 (RAL number to be specified with order).
- UPS (emergency power supply).
- Manual actuation system.

Work to be provided by the customer

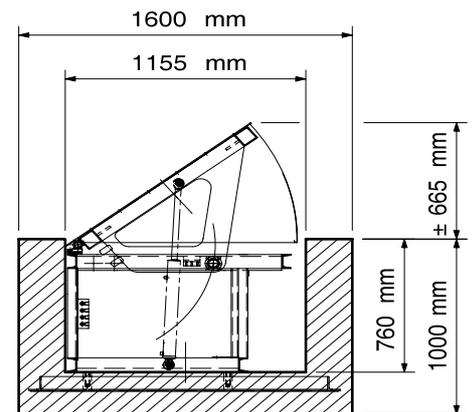
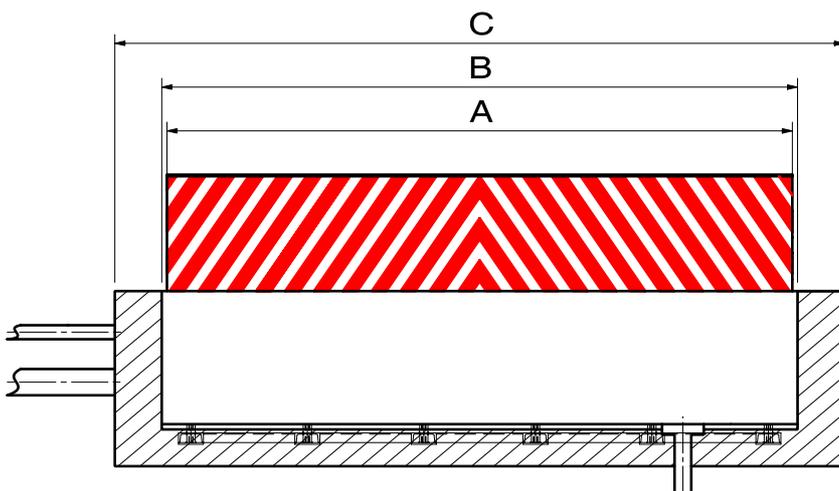
- 230V single phase power supply to the control cupboard.
- Electrical connection wiring between the control cupboard, the traffic light(s) and the position sensors.
- Reinforced concrete pit with rainwater drainage and sealing template installation (3)
- Installation of power wires between the pit and the control cupboard

Overall dimensions of pit by width of obstacle

Dimension "A"	3000 mm	3500 mm	4000 mm
Dimension "B"	3050 mm	3550 mm	4050 mm
Dimension "C"	3500 mm	4000 mm	4500 mm

Dimensions*

Foundation



*These dimensions are not contractual.

Our dealer



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