

# Automatic bidirectional repositioning electromechanical barrier - **SRB**



A patented quick-acting barrier with the ability to automatically reposition the rod in the event it is hit by a passing vehicle, either in the direction of normal travel or in the opposite direction. Particularly suitable for use in applications such as motorway toll booths and parking lots, it is designed with sturdy and impact-resistant satinized stainless-steel cabinet. The barrier meets special requirements such as a high number of cycles and a high speed of maneuvering.

## TECHNICAL AND CONSTRUCTION FEATURES

- ⦿ satinized stainless steel cabinet, supporting structure 3 mm thick.
- ⦿ Helical bevel gearbox, reduction ratio 1:56.
- ⦿ Mounting on the right or left side of the lane without any further rod adjustment
- ⦿ Rod opening/closing speed and acceleration/deceleration ramps programmable via software.
- ⦿ The open/closed position can be maintained by reducing administration to the motor voltage/frequency.
- ⦿ In the event of loss of power supply, the rod can be automatically reopened and held in position.
- ⦿ Mean Cycles Between Failures: 4.000.000 opening/closing cycles
- ⦿ Proprietary electromagnetic loop inductive detector installed and managed by the main board (optional).
- ⦿ Safety photocell placed within the cabinet in line with the arm.
- ⦿ Manual control box containing:
  - magnetothermal power switch
  - AUT/MAN selection switch
  - OPEN button
  - CLOSE button .
- ⦿ Management, interface, and power printed circuit board placed in a connectorized case
- ⦿ Carbon fiber rod covered with a cylinder soft sponge and wrapped in a red plastic protective cover with white reflective stripes (diameter 85 mm).
- ⦿ 3 high efficiency red LEDs located along the rod (optional).

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- Standard rod lengths: 1,75 m, 1,97 m and 3,03 m
- Recommended opening speed:
  - 0,7 sec (1,75/1,97 m rod)
  - 0,9 sec (3,03 m rod)
- Recommended closing speed:
  - 0,8 sec (1,75/1,97 m rod)
  - 1 sec (3,030 m rod).
- Virtual safety edge: impacting an obstacle while closing will cause the rod to reopen.
- Two-tone alarm siren/beeper.
- Monitoring systems:
  - Digital I/O (n.7 Input - n.8 Output).
  - Serial port RS232-RS422-RS485.
  - 10/100 Base - T Ethernet port with web server (optional).
- Power Supply: 230 VAC  $\pm$  10% - 50/60 Hz single-phase.
- Operating temperature: -25° C/+55° C (without heating device).
- Degree of protection: IP54.