

Automatic barrier with an axial aluminium arm up to 10 m



- ▶ Barrier designed for wide width access
- ▶ Absorbs trucks shocks ensuring high reliability over time
- ▶ Arm in one piece and without guying to preserve user safety and strengthen the robustness of the structure
- ▶ Resistance and robustness thanks to the anti-shock manual rotation device

 **INDUSTRY**  **SERVICES**

MAIN CHARACTERISTICS

- 2 to 10 m axial reinforced glass fiber arm of \varnothing 140 mm from 2 to 10 m
- ONE-C® control card with configuration screen and remote control
- Ongoing intensive operating (10,000 cycles/day)
- Variable speed, from 3.1 sec
- Three-phased geared motor, 230V power supply
- Compressing spring
- Anti-condensation heating
- Axial strengthened housing support

TECHNICAL CHARACTERISTICS

- Steel sheet housing 3 mm, protected with cataphoresis, with Ronis 405 lock
- Standard RAL 5015
- Aluminium sheet top cover, 2 mm, with RAL 9010 coating
- Axial arm with red and white reflective stripes
- Contactless inductive sensors for the arm
- Monitored with a ONE-C control card
 - Wired or network wiring control; several communication protocols (Modbus TCP/IP, RS485)
 - Centralized communication interface (screen, LED)
 - Remote controlling and configuration via webserver
 - Program memory with SD card (included)
 - Pluggable terminal
 - Engine management via frequency driver, allowing to manage:
 - › Accelerator and break control
 - › Opening and closing speed
- Easy handling
- Ergonomic

Voltage	230 V
Consumption	550 W
Geared motor	Three-phase geared motor 0.55 kW. Reversible or irreversible motor
Counterbalance	Compressing spring + guide, chain and gable
Arm	Polyester reinforced glass fibre \varnothing 140 mm
Half shell	Galvanized steel 8 mm
Handling time	From 3.1 to 10.5 sec.
MCBF (number of cycles)	\geq 10 millions
MTBF (hours)	\geq 15000
Maximum arm length	10 m
Emergency operation	- 11 turns of the handle + anti-restarting system - automatic reopening system in case of power loss
Temperature control	Anti-condensation heating
Coating	Polyester powder baked at 250°
Weight	From 192 to 205 kg
Measurements	800 x 800 x 1000 mm
Temperature conditions	-30° +55° C
IP	54

OPTIONS

Sound and light signals

- LEDs top cover
- Flash lights on the arm
- R23 lights on poles
- Flashing light on the housing
- Signs with standard models Ø 450, Ø 650

Safety

- Infrared cells
- Reflex cells
- Magnetic loop detector
- Ultrasound detectors

Installation

- PVC sealing template frame and isolation
+ 4 rods 16 X 250 mm + 8 bolts
- Stainless steel anti-shock rotation device

- Limit switches pivoted barrier feedback
- Adjustable tip support tube of 80 x 80 mm
- Adjustable tip support with magnetic plunger 230kg
- Adjustable pendular support from 800 to 1000 mm + spring with shock absorber

Customisation/ Access

- Articulated low grid Ø14 mm up to 6 m (GA)
- Polyester paint / Specific colour (RAL to be defined)
- Local control: fire brigade access control, push button box, etc.
- Multiple configurations adapted to the site (ONE-C)
- Remote controlling and setting
- Installation on the right or the left side
- Automatic reopening system in case of power loss - up to 8 m.
- Manual anti-shock rotative system
- Motorised rotary system (easing maintenance)
- Galvanized housing

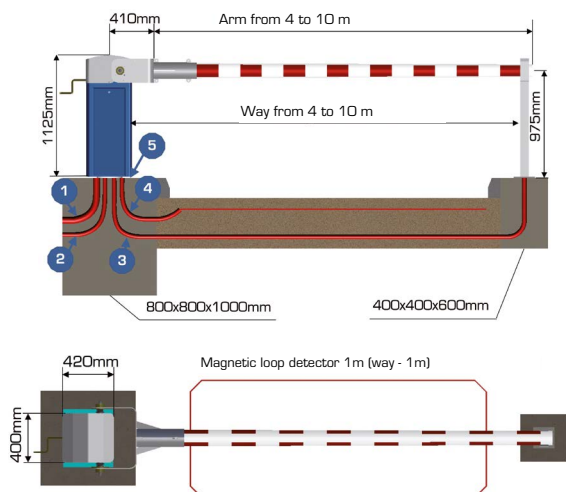
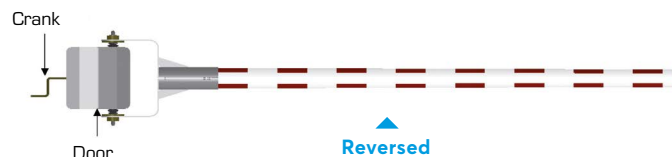
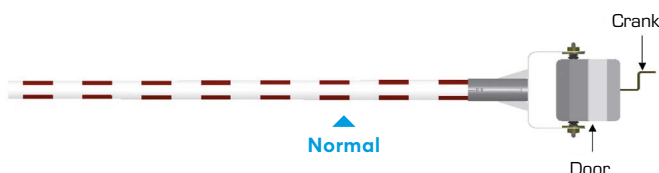
OPERATIONAL LIMITATIONS

Arm length	Passing width	Weight	Tip supports
4,00 m	4,00 m	192 kg	No
5,00 m	5,00 m	195 kg	No
6,00 m	6,00 m	198 kg	Yes
7,00 m	7,00 m	201 kg	Yes
8,00 m	8,00 m	202 kg	Yes
9,00 m	9,00 m	204 kg	Yes
10,00 m	10,00 m	205 kg	Yes

WORKS TO BE CARRIED OUT BY THE INSTALLER

- Solid concrete with sealing template and 4 rods Ø 16 mm (optional).
- Sleeves for power cables, remote control and magnetic loop.
- Power supply: U 1000 RO 2V cable: 3 x 2.5 mm², single-phase 230 V
- Remote control: telephone cable 5 pairs 9/10.

INSTALLATION



Conduits and cables

1 Alimentation :

- Janolene Ø 63 mm
- Cable U 1000 RO 2V 3 x 2.5 mm²

2 Remote control :

- Janolene vert Ø 40 mm
- Cable phone 5 paires 9/10ème

3 Link with tip support :

- Tube Ø 30 mm
- Infrared cells, magnetic plunger, etc

4 Magnetic loop cable :

- Tube Ø 30 mm
- Twisted loop cable pair

5 Sealing template frame and isolation :

- PVC sealing of 10 mm
- 4 mounting rods Ø 16 x 250 mm

The sealing template remains in place level and must rest entirely on solid concrete. Sealing rods spacing 220 x 220 mm.

