

THE DETERRENT BARRIER FOR SENSITIVE SITES

INTELLIGENT BOOM BARRIER WITH AXIAL ARM UP TO 3.5 M



User type differentiation enabling automatic application of the associated access rights (permissions, restrictions, time schedules, etc.)

Real-time detection and classification of 7 user categories: pedestrian, bicycle, motorcycle, car, van, truck and bus.

Configure the barrier's behaviour according to the detected user category and predefined time schedules

Operates without inductive loops, photoelectric cells, radar/laser or ultrasonic sensors, ensuring a simpler installation

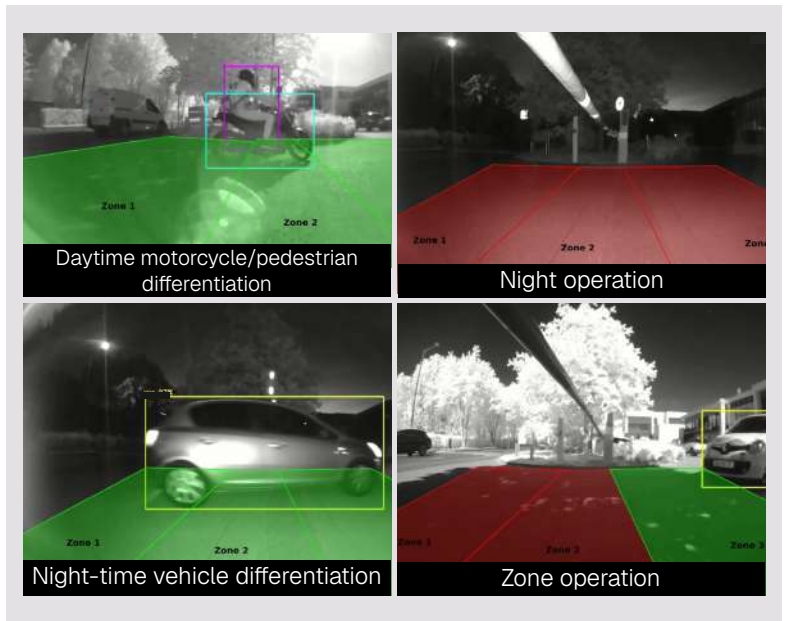
Create up to 5 configurable virtual detection zones to adapt the operating logic

STANDARD CHARACTERISTICS

- **Speed:** Variable and adjustable from 2.7 seconds
- **Continuous operation:** 10,000 cycles/day
- **Boom:** 135x93 mm oval axial high strength aluminium with reflective strips, from 2 to 3.5 m
- **Geared motor:** Three-phase / 230 V single-phase power supply
- **Balancing:** Compression spring
- **Housing:** Made of treated steel sheet with Ronis 405 cataphoresis lock + standard RAL 5015
- **Top cover:** 2 mm aluminium sheet with RAL 9010 paint
- **ONE-C board:** Control board operable via wired connection or network (Modbus TCP/IP, RS485), featuring an LED interface and remote access, ensuring optimized motor management (speeds, ramps), with updates via SD card and simplified installation
- **ONE-SENSE sensor:** Cam-mounted sensor providing real-time boom position with one-degree accuracy. Enables automatic end-stop learning and automatic boom lifting in the event of an impact



THE INTELLIGENT BARRIER FOR OPTIMAL ACCESS CONTROL RECOGNIZE – AUTHORIZE – PROTECT



LBAi installation **without additional civil engineering work**

7 recognized user categories: pedestrian, bicycle, motorcycle, car, van, truck or bus

170° lateral coverage, 70° vertical coverage and range up to **10 m**

Activity log consultation with recording and history of detected events **available on request**

COMMISSIONING VIA DIGITAL PLATFORM

DEFINE DETECTION ZONES

Define upstream zone, downstream zone, under-boom zone and safety zone, and configure distances

PRODUCT CONFIGURATION

Product type, passage width, opening direction, required speed

SELECT AUTHORIZED USERS

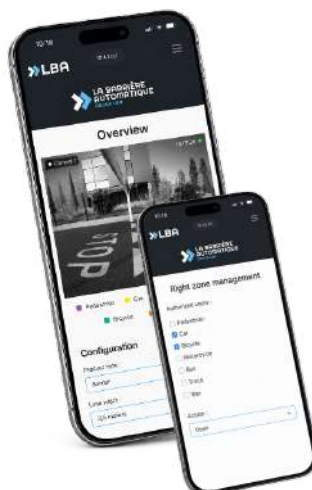
Pedestrians, bicycles, motorcycles, cars, vans, trucks or buses

ASSIGN ACTIONS

Opening, open hold, safety, presence detection or alert according to each zone and vehicle category

DEFINE TIME SLOTS

Adapt opening, safety or access rules according to days and hours



USE CASE EXAMPLES

PEDESTRIAN AREA

Prevent car access, allow pedestrians and bicycles, allow deliveries only during defined time slots

BUS DEPOT

Allow buses, deny other vehicle categories

LOGISTICS SITE

Allow trucks and utility vehicles, block cars, bicycles and pedestrians

SUBSCRIBER PARKING

Distinguish motorcycles from cars to apply suitable pricing and reduce fraudulent access

AND MANY OTHER USE CASES TAILORED TO YOUR NEEDS...

TECHNICAL SPECIFICATION

Power supply	230 V
Consumption	0.18 kW three-phase motor
Geared motor	Reversible
Counterbalance	Compression spring + chain and sprocket
Boom	135x93 mm oval white lacquered rein- forced aluminium
Operating time	From 2.7 seconds (variable depending the options and lengths chosen)
MCBF (number of cycles)	5 million
MTBF (hours)	15,000
MTTR (average time to repair)	30 minutes
Maximum boom length	3.5 m
Emergency operation	Fail safe open in the event of a power failure
Paint	Polyester powder
Overall dimensions (LxDxH)	600 x 600 x 800 mm
Operating temperature	-30 ° to +55 °C
IP rating	54

Boom length (m)	Passing width (m)	Weight (kg)	Tip supports
2.00	2.00	84	No
3.00	3.00	87	No
3.50	3.50	88	Yes

OPTIONS

Customisation

- Special colour polyester paint (RAL to be defined)

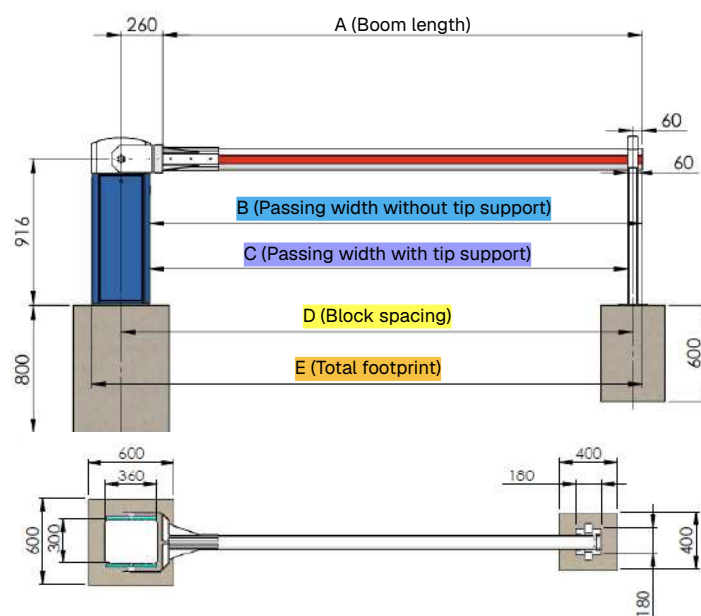
Audible & visual signals

- Illuminated cover with LED strip
- Illuminated boom
- Flashing lights on post
- Flashing light on beam
- Penetration lights
- R23 red and green light on integrated post
- Standardised signage
- Siren on passage violation
- Bar with integrated LED strip
- Flashing lights on barrel
- Audible alarm in case of forced lifting
- Standardised signage

Safety

- Articulated arm
- Aluminium housing
- Galvanised anti-corrosion housing
- Internal anti-fraud locking (reversible)
- Programmable Cardin S 449-433 MHz 1-channel radio receiver
- Adjustable rest
- Electromagnetic locking on rest
- Electromechanical locking on rest
- LBA connect

INSTALLATION



Boom length A in mm	Passing width without tip support B in mm	Passing width with tip support C in mm	Block spacing D in mm	Total footprint E in mm	Open barrier height H in mm
A	A = B - 80	A = C + 10	A = D - 200	A = E - 445	A = H - 1,180

Power supply:

- ø63 mm janolene
- U-1000 RO 2V 3 x 2.5 mm² cable

Remote control:

- ø40 mm green janolene
- 5 pair 9/10 core telephone cable

Arm rest connection:

- ø30 mm tube
- Infrared cell, magnetic plunger, etc.

Magnetic loop cable:

- ø30 mm tube
- Twisted pair loop cable

Sealing template + 4 mounting rods

- The template remains level in situ and must rest entirely on solid concrete
- Arm rest base plate

