

TECHNICAL SPECIFICATIONS OF BOOM BARRIERS

1.1 GENERAL

This specification lays down the general, functional and technical specifications of **Automatic Boom Barriers**.

1.2 FUNCTION

The barriers are used at entrances / exits to control and review traffic in and out of the premises. The operation of Boom Barriers can also be linked to access control systems with safety systems.

1.3 SYSTEM CONFIGURATION

The system shall consist of a fixed housing and a movable arm. The housing shall contain the motor, spring and control unit.

1.4 GENERAL FEATURES

- 1) Electromechanical barriers for passages up to 4.2m, 5m & 6.5m **intensive use**.
- 2) Housing finish : Powder Coated Orange
- 3) The Housing base frame is of stainless steel so as to protect the housing from rusting from the bottom
- 4) Boom: Powder Coated White with refractor strips and LED flashing lights on top
- 5) Boom Length : 2 m to 4.2 m for normal lane / 5 m and 6.5 m for extra wide lane.
- 6) Protection: All housing and internal parts have rust & corrosion free metals / alloys of high strength with suitable epoxy coating as applicable.
- 7) Easy to use external manual unlock device.
- 8) Amperometric anti-crushing control.
- 9) Slowing down setup thanks to two adjustable limit switches.
- 10) Soft start and slowing down functions adjustable in opening and closing.
- 11) 4.2 m white painted aluminum arm is provided with two red rubber profiles.
- 12) Flashing lights on the arm ensure barrier visibility especially at night.
- 13) Auto close with timer (1s to 90s)
- 14) Single / 2 Channel loop detector with programmable features (accessory)
- 15) Electronic module which allows the synchronized movement of two Barriers.
- 16) Painted fixed support for bars.
- 17) Stainless steel version available.

1.5 TECHNICAL DATA

TECHNICAL DATA	BOOM BARRIER UPTO 4.2 m (LADY)	BOOM BARRIER UP TO 6.5M (VE.650)
Power supply	230 Vac	230 Vac
Motor supply	24 Vdc	24 Vdc
Absorbed power	120 W	200 W
Max. absorbed current	4.5 A	8 A
Torque	130 Nm	300 Nm
Opening speed	2.5 sec	8 sec
Operation cycle	Intensive use	Intensive sue
Protection level	IP 44	IP 44
Operating temp.	- 20 C/+70 C	- 20 C/+70 C
Lubrication	grease	Grease
Weight	50 Kgs	105 Kgs

TECHNICAL DATA	BOOM BARRIER UPTO 5 m (VE.500)	
Power supply	230 Vac	
Motor supply	24 Vdc	
Absorbed power	160 W	
Max. absorbed current	6 A	
Torque	220 Nm	
Opening speed	6 sec	
Operation cycle	Intensive use	
Protection level	IP 44	
Operating temp.	- 20 C/+70 C	
Lubrication	grease	
Weight	61 Kgs	