

LARGE TRAFFIC BARRIER



Jacksons' large traffic barrier is designed for parking areas with very wide, fast, and frequent access and features a self supporting steel structure which is cathodolysis treated and powder coated, or can be stainless steel if preferred. Featuring a double exit shaft for easy left/right arm mounting, it offers a simple traffic control solution in lengths between 6-8m, with an opening time from 4.5 to 6.0 seconds.

REFERENCE STANDARDS

2004/108/CEE; 93/68/CEE (EN55014-1; EN55014-2) •
Electromagnetic Compatibility
2006/95/CEE; 93/68/CEE (EN60335-1(2002)) • Low voltage
2006/42/CEE (EN60204-1) • Machinery directive
99/5/CEE (ETSI EN 301 489-3 (2002) + ETSI EN 301 498-1
(2005); ETSI EN 300 220-2 (2006))
Radio set (tested with the electronic control unit CSB Xtreme)

Features

- Maximum frequency: 3000 operations/day
- MCBF: 2,000,000 cycles
- Slowdown in opening and closing, three-phase inverter for motor speed adjustment
- Configurable obstacle detection (encoder)
- Rod/crank mechanism
- Supplied with installation template
- Self-cooled gear reduction in oil bath, ventilated, asynchronous motor, three-phase 230 Vac
- Available also in version with 1-phase 115 Vac \pm 10%, 50-60 Hz power supply
- Opening manual with knob, inside the structure
- Compatible with automatic opening kit in case of power supply loss
- Internal control unit, option for TCP/IP and RS485 interfaces
- Top and bottom skirts available
- Max length of arm with bottom skirt 8m
- Max length of arm with top & bottom skirt 7m

SPECIFICATIONS AND TECHNICAL DATA

TECHNICAL-ENVIRONMENTAL

MAIN FEATURES

Barrier size	360 x 400 x 1115 mm (h); steel Fe360 (S 235 JR) *
Arm length	4.0m to 8.0m
Finishing	Cataphoresis, powder paint RAL 3020 as standard, other colours available - POA
Foundation	Concrete, 600 x 500 x 400mm (h)
Motor	Self-cooled oil-bath gear reduction, rod/crank
Obstacle detection	Configurable (encoder)
Lock	Mechanic
Unlock	Manual with knob inside the structure. Compatible with automatic opening kit in case of power supply loss
Opening time	From 4.5 to 6.0 seconds (adjustable)
Operating ambient temperature	-30C** + 60°C
Operating humidity	Up to 100%
IP grade	IP54
Total barrier weight	*option, AISI304 or AISI316 ** with integrated heater active

ELECTRICAL FEATURES

MAIN FEATURES

Control unit	CSB Xtreme
Power	1-phase 230 Vac \pm 10%, 50-60 Hz, 1-phase 115 Vac \pm 10%, 50-60 Hz versions available
IP grade	IP54
Operating ambient temperature	-30C** + 60°C
Operating humidity	Up to 95%, non condensing
Absorbed power	650 W (50Hz)
Power consumption	44 W (50Hz)
Signalling	LED lights on the arm - red or green boom lights
Sensor inputs	Photocell, boom pushed (special breakable boom), UPS, Emergency stop from front panel
Local/remote control	Digital inputs, radio remote control (RX on board, TX optional), RS485, TCP/IP (optional)