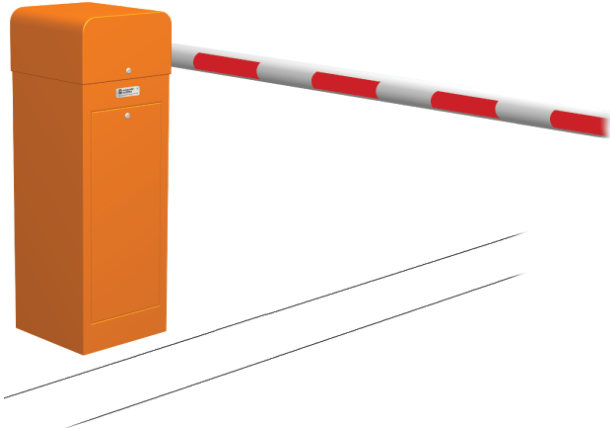
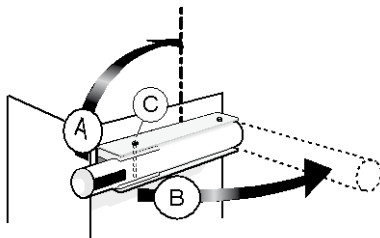




The electrical rising barrier type BL 12 is available in 3 m and 4 m versions. It is particularly recommended to control medium-flow access points. With its simple and reliable conception, the BL 12 ensures both efficient and economic access control with all necessary safety of passage.

DESCRIPTION

1. Housing made of welded steel sheet, thickness 2mm
2. Removable upper hood made of welded steel, with security lock and key.
3. Access door to mechanism, power and control unit, with security lock and key.
4. Aluminium 75mm diameter tube arm, white enamelled with red reflecting stripes and end cap.
5. Arm supporting shaft mounted on two bearings, life-lubricated, equipped with swing-off jaw.



- A : normal operation
 B : swing off in case of impact
 C : drilled support → possibility to lock the arm by drilling the arm and inserting a pin

6. Electro-mechanical assembly including:

- Single-phase asynchronous geared motor.
- Secondary transmission by crankshaft-rod device; ensures perfect mechanical locking in both end positions.
- Limit switches for indicating raised and lowered position status.
- Note: the arm may be actuated manually by means of a crank.

7. Balance of the arm achieved by means of two integrated adjustable compression springs.

8. Programmable electronic control unit, allowing various control operations:

- Open / close by push button.
- Open / close by remote control (option).
- Adjustable automatic closing function with timer (0 – 45 sec).
- Adjustable safety torque limiter.
- Possibility to connect a detection loop (security / automatic closing).
- Possibility to connect a safety photo-cell.
- Possibility to connect a 220V alarm lamp.
- Control unit protected by dust- and water-proof cover.

9. Barrier to be secured to the ground with 4 expanding bolts and fixing clamps.

Surface treatment

- Internal mechanical parts: protected by passivated zinc coating.
- Cabinet and access door: zinc phosphate, followed by structured paint orange RAL 2000.

Technical characteristics

- Power supply: 230V single phase, 10A + GND (not to be connected to a floating network or to high impedance earthed industrial distribution network).
- Frequency: 50 Hz.
- Consumption at rest: 5 W.
- Consumption in operation: 170 W.
- Arm balancing achieved by two adjustable springs.
- Arm length (passage way X): 3 m (std) or 4 m.
- Standard location of the arm: on the left side.
- Motor: asynchronous 960 rpm.
- Opening time: 1.5 (3 m) or 2.2 s (4 m).
- Operating temperature: from – 20°C to + 45°C.
- Net weight without arm: ±110 kg.
- MCBF (Mean Cycles Between Failures), when respecting the recommended maintenance: 1.000.000.
- 12 VDC and 24 VAC available for power supply of detectors.
- IP 43.
- Conforms to CE standards.

Options

- Power supply 120 V / 60 Hz.
- Arm location on the right side.
- Arm for 4 m passage way (= arm tube 4.40m length).
- Remote controller; up to 25 per barrier.
- Presence detector for inductive loop.

Work to be provided by the customer

- Power supply 230V.
- Connecting electrical wiring between the barrier and its controls.
- Concrete support for fixing the barrier.

Standard dimensions (mm)

