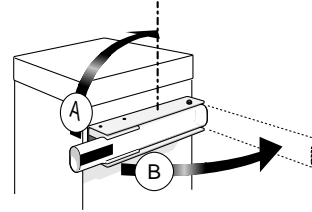


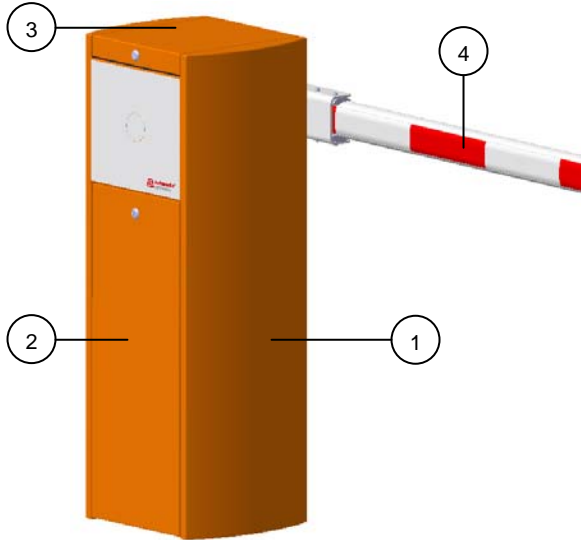
Description of standard equipment

1. Housing made of folded and welded sheet steel, from 14 ga [2mm] to ¼ in [6mm] thick.
2. Side access panel provides access to the mechanism, locked by key.
3. Weather-resistant, removable cover, locked by key.
4. Oval shaped aluminum arm, varnished white with red and white reflecting stripes and end plug. Oval arm cross section dimension 3.2 x 2.1 in [80 x 53mm].
5. Arm breakaway device to prevent damage to the barrier in case of impact to the arm.



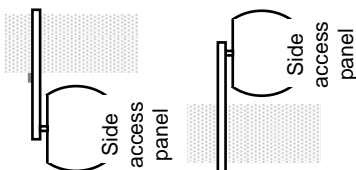
A: normal movement
B: in case of impact, the arm swings in the passage direction

6. Shaft-mounted on two life-lubricated ball bearings.
7. Spring-balanced arm.
8. Electro-mechanical assembly including:
 - An asynchronous three-phase geared motor.
 - Mechanical locking of the arm in end positions ensured by crankshaft-rod device
 - Automatic barrier unlocking device in case of power failure.
 - Frequency converter ensuring progressive accelerations and controlled decelerations, for a vibration-free movement and enhanced protection of the mechanism.
 - Position detection by inductive analog sensors.
9. Lever for manual unlocking in case of power failure (if not set up in automatic unlocking).
10. AS1320 control board enabling various commands and/or optional accessories.
11. Parameter information contacts:
 - Status of the barrier's position (open or closed),
 - Status of the presence detectors,
 - Command for master-slave barriers (movement of one barrier controlled by the other one),
12. Fixing frame with anchors to be casted in the concrete base provided with the equipment



Electric high performance and high speed rising barrier, for motorway tolls.

Configurations



Left configuration Right configuration



ETL Listed No. 3117963
CONFORMS TO UL STD 325
CERTIFIED TO CAN/USA STD C22.2
NO.247

Surface treatments

- Zinc-coated internal mechanical parts.
- Complete body (housing, cover and doors): zinc primer + powder coat paint (standard color: Orange RAL 2000)

Standard technical specifications

Input power ⁽¹⁾	120 VAC / 60 Hz (with ground)
Consumption	- 50 W at rest without options - 255 W in operation without options
Motor	Three-phase 240 V / 1/3 HP [250 W] controlled by frequency inverter
Transmission	Life-lubricated worm-screw speed reduction unit.
Arm length (L)	10 ft [3.05m]
Operating temperature	14°F to 122°F (-10°C to 50°C)
Relative Humidity	95% without condensation
Wind resistance	50 mi/h [80.5 km/h]
Opening speed ⁽²⁾	0.6 to 1.7 sec
Closing speed ⁽²⁾	1 to 2 sec
Weight (without arm)	190 lbs (87 kg)
Weight arm	7.5 lbs (3.4 kg)
MCBF ⁽³⁾	10,000,000 cycles (with recommended maintenance)

(1) Must be properly grounded per installation specifications.

(2) Adjustable through the control board

(3) Mean Cycle Between Failure

Options

1. Push button(s) box
2. Key switch on housing.
3. Photoelectric cell (reopening of the arm).
4. Support post for photoelectric cell.
5. Photocell fixed on housing.
6. Inductive loops for cars or trucks detection.
7. Loop detector
8. Arm breakaway detection device.
9. Protecta Arm in carbon fiber (polyurethane sheath and sleeve in marine-variety fiber fabric).
10. Custom color.
11. Raised base.
12. 50 W heater for operations as low as -4°F (-20°C)
13. 400 W heater for operations as low as -49°F (-45°C)

Standard dimensions in inches [mm]

