

BL 229

Technical datasheet

NAM-BL 229-FT-EN-E

AS AUTOMATIC
SYSTEMS

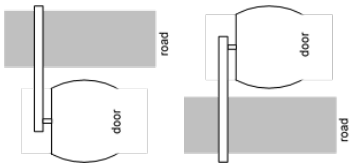
Access controlled...
Future secured

DESCRIPTION



Versatile rising barrier for medium to high flow traffic: perimeter fencing, traffic management, parking areas.

Configurations



Left configuration

Right configuration

1. **Housing made of folded and welded sheet steel**, from 14 ga [2mm] to ¼ in [6mm] thick.
2. **Internal mechanical elements are zinc plated for corrosion resistance.**
3. **Side access panel** provides access to the mechanism, lockable by key.
4. **Weather-resistant, removable cover**, lockable by key.
5. **Round shaped aluminum arm**, painted white with red and white reflecting stripes and end plug. Round arm cross section dimension $\varnothing 3 \frac{3}{16}$ in [81mm].
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 limit switches.
9. **Lever for manual unlocking** in case of power failure (if not set up in automatic unlocking).
10. **AS1620 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** provided with the equipment to be casted in the concrete base provided by the customer



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

SURFACE TREATMENT

- Zinc-coated internal mechanical parts.
- Complete body (housing, cover and doors): 4000 hrs salt spray resistant primer + powder coat paint (standard color: Orange RAL 2000)

STANDARD TECHNICAL CHARACTERISTICS

<i>Input power</i> ^[1]	120 VAC / 60 Hz (with ground)
<i>Consumption</i>	- 50 W at rest without options - 255 W in operation without options
<i>Motor</i>	Three-phase 240 V / 1/3 HP [250 W] controlled by frequency inverter
Transmission	Life-lubricated worm-screw speed reduction unit.
Arm length (L)	10ft [3.05m] to 19ft 8in [6m]
Operating temperature	14°F to 122°F (-10°C to 50°C)
Relative Humidity	95% without condensation
Wind resistance ^[5]	75 mi/h [120 km/h]
Opening speed ^[2]	1 to 4 sec (max at 100% speed)
Closing speed ^[2]	1 to 4 sec (max at 100% speed)
Weight (without arm)	190 lbs (87 kg)
Weight arm	11 to 19.8 lbs [5 to 9 kg]
IP rating	54
MCBF ^[3]	10,000,000 cycles <i>(with recommended maintenance)</i>

[1] Must be properly grounded per installation specifications.

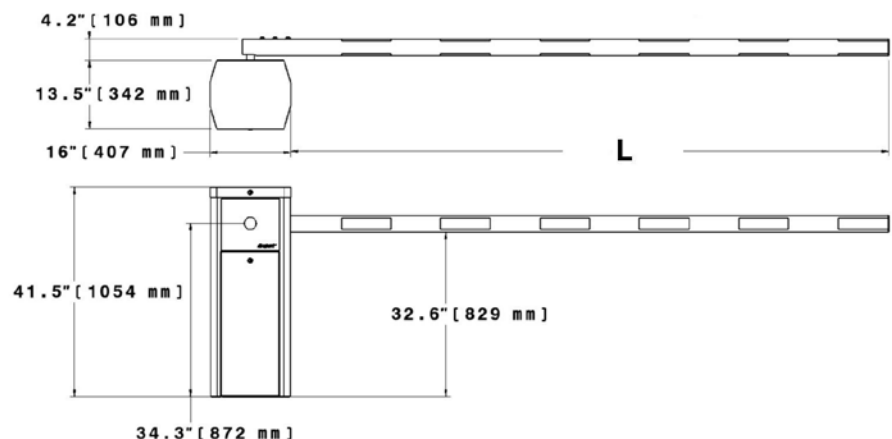
[2] Adjustable through the control board, depending on the arm length.

[3] Mean Cycle Between Failures.

[4] Certain options may not be compatible with others or might be subject to limitations. Consult the products limit of use guidelines.

[5] Without Breakaway

Standard dimensions in inches [mm]



OPTIONS

1. Push button(s) box
2. Key switch on housing.
3. Remote control
4. Photoelectric cell (reopening of the arm).
5. Support post for photoelectric cell.
6. Photocell fixed on housing.
7. Inductive loops for cars or trucks detection.
8. Loop detector
9. Gate arm breakaway for lengths $\leq 13'1''$ (4m)^[4]
10. Gate arm breakaway detection device.
11. Round folding arm ^[4]
12. Standard tip support
13. Folding tip support ^[4]
14. Electromagnetic tip support ^[4]
15. Safety edge ^[4]
16. Arm lighting
17. Traffic light on a post
18. Stop sign ^[4]
19. Custom color.
20. Raised base.
21. 400 W heater for operations as low as -49°F [-45°C]
22. Double limit switches for discrete open and close input.
23. Position detection by analog sensor for enhanced performance

For restrictions on options please speak to your sales representative.

Refer to the installation drawing.