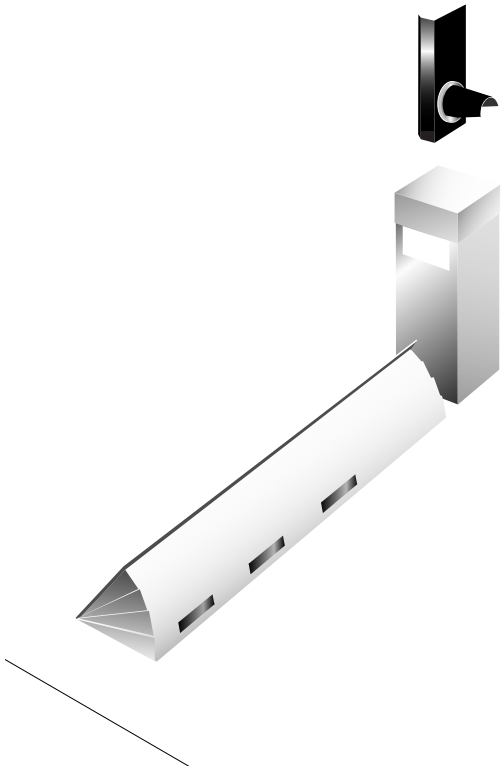
MODEL RSB70 ROAD BLOCKER BARRIER



ROAD BLOCKER BARRIER:

The Model RSB 70 Road Blocker Barrier is designed and manufactured by Automatic Systems. The Model RSB 70 was specially designed for Light-Security surface applied vehicle access to critical areas, such as: governmental buildings, financial institutions, educational institutions, or any location which might be susceptible to Un-authorized vehicle access. A recommended configuration would include a BL29 heavy-duty barrier gate, which provides additional visual indicators for safety and accident prevention. (See Model RSB74 Road Blocker Barrier, and Model BL29 Barrier Gate Operator). (Not shown above).

SAFETY

- Completed Cycle Locking: Road Blocker Barrier mechanically locked in the fully completed vertical up position, and in the completed horizontal down position.
- HD Clutch: Dual Friction Disk: Torque limiter (Heavy-duty), which protects the electromechanical drive system.

DESCRIPTION:

1. Folded and welded steel housing, 2mm thick. Upper cover is (2mm, 12 gauge) thick, folded and welded sheet steel, security locked.
2. Key-locked safety access door disconnects power to the unit when the door is opened.
3. Access door on the front (road) or rear side available.
4. Electromechanical unit includes:
   - 1/3 HP, heavy-duty, AC single or three phase instant-reversing motor, with life-lubricated speed reduction gearbox, with worm screw type mechanism.
   - Crankshaft/rod device with rubber abutments ensuring smooth, flexible movements, and progressive decelerations at the end of the movements.
   - Safety torque limiter with adjustable friction disks. (HD Safety Clutch).
   - Gearbox driven by pulleys and V-belt.
   - Balance achieved by built-in traction springs.
   - Obstacle driven by sprocket-wheels and roller chain.
   - Limit switches activated by adjustable cams.
5. Road Blocker barrier made of heavy-gauge steel sheet welded on a strong steel profile frame.
6. Barrier Step Skirt made up of 1.5mm-thick telescopic steel sheets, white enamelled with red reflecting stripes.
7. Driving shaft on pillow blocks with crankshaft/rod device ensuring smooth operation and mechanical locking of step when in upper position.
8. Controller:
   - Control logic type A3 for control by 3-push button box (open - closed - stop)
   - Changeover contactors
   - Thermal overload protection
   - Relay
   - Main switch
   - Transformer
   - General connection block
   - 3-push button box.
9. Frame to be fixed on the road surface by means of raw bolts. Difference of level must be compensated by two concrete slopes (to be provided by customer). Metal Ramps for surface applications, available as option.
10. Additional Red/green traffic light mounted on cabinet.
11. Emergency crank for manual operation in case of power failure.

Specifications subject to change without prior notice

ANTI-CORROSION PROTECTION

Internal mechanical parts
Protected by yellow electro zinc dichromate thickness: 22 µm.

Cabinet housing
Special research has been conducted on the anti-corrosion treatment of the cabinet to ensure resistance to the most severe environmental conditions. The entire course of treatment is as follows

1. Removal of grease from the metal parts,
2. Rinsing in water to eliminate all alkaline residue,
3. Zinc phosphatization: thickness 5 µm,
4. Passivation, ensuring an increase in the corrosive resistance of the coat of phosphate obtained,
5. Elimination of residual salts (ions), through rinsing with de-mineralised water,
6. Final treatment by cataphoresis, thickness: maximum of 22 µm. (Cathodic process).

PAINT WORK
Anti-corrosion paint
(1) coat of primer paint, (2) component epoxy micacious iron ore, thickness: 40 µm.
Finish coat
Cabinet: (1) coat of (2) component polyurethane paint, thickness: 40 µm. Standard color: Orange (RAL 2000).
Road Blocker Barrier: White with red reflecting stripes.
Polymerisation of successive coats is accelerated by oven drying at 80°C.

TECHNICAL CHARACTERISTICS:

- Height of raised barrier: (350mm, 13-2/3").
- Length of obstacle: 2040mm or 2980mm, (6'-8" or 9'-9").
- Motor: 1/3HP AC 0.25 KW - 960 RPM.
- Heavy-duty HD Clutch.
- Power supply: 120/208V 1 or 3-phase 60 Hz.
- Motor pulley: Diameter 40 mm (in 60 Hz).
- Gearbox: type VF62N - reduction ratio: 64:1.
- Power Consumption:
  - Stand-by = 120 W.
  - In operation = 420 W.
- Operation temperatures: -25°C to +70°C; -13°F to +158°F.
- Mechanical endurance (MCBF): 6 Million cycles.
- Net weight:
  - Model 1: (280 Kg, 617 Lbs).
  - Model 2: (340 Kg, 750 Lbs).
- Operation speed: 3 seconds.
- Certified NBN EN ISO 9001.

DIMENSIONS IN INCHES		
	MODEL 1	MODEL 2
A	80 5/16	117 5/16
B	86 5/8	123 5/8
C	100 13/16	137 13/16

OPTIONS:

- Additional 3-push button box.
- Additional two-color traffic light for dual directional traffic.
- Security lock for the crank device.
- Custom configuration.
- Custom paint finish: Cabinet colors other than the standard orange. (RAL colors only).
- Built in "Vehicle Counters".
- Installation template steel base frame.
- Ceramic heater for extreme cold.
- Single-phase power supply standard, 3 -phase optional.
- Metal Slopes for surface applications.

CONTROLLER OPTIONS

- B3 logic type: Automatic closing.
- C3 logic type: Two-way automatic closing and one-way automatic opening.
- Vehicle presence detector(s).
- Vehicle detection loop(s).
- Actuation devices, such as push buttons, card reader, ticket dispenser, token or coin acceptors, vehicle presence detector + detection loop, etc., for opening or closing of gate.

AVAILABLE CONFIGURATIONS

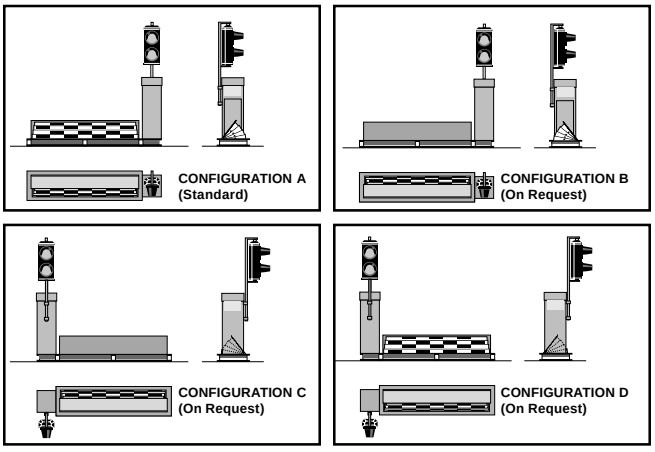


FIGURE 1

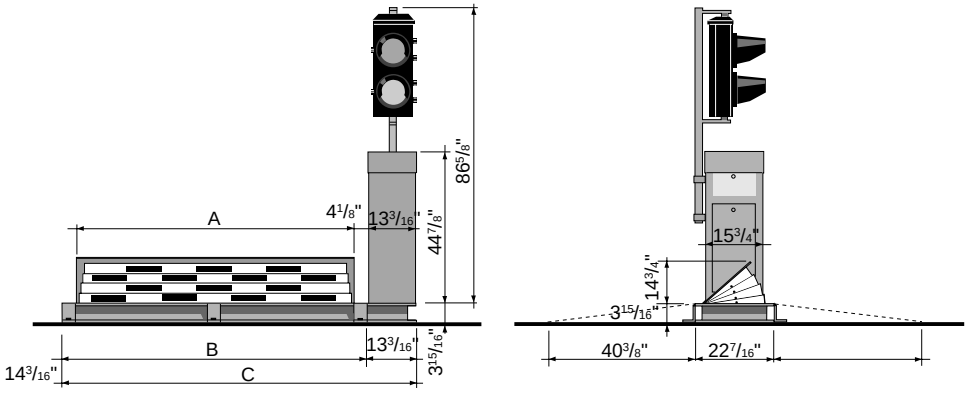


FIGURE 2

MODELRSB70
ROAD BLOCKER BARRIER

TECHNICAL DATA
 # ACS-1041-EN

UL FILE #E210350
USA / CANADA

MANUFACTURING FACILITY
CERTIFIED NBN EN ISO 9001

automatic systems