



**Integrated Control Systems  
International™**

**LIFT-ARM BARRIER GATE**  
**Model MG-2010**



- *Sturdy 11 gauge rolled steel housing*
- *Extremely Fast Operation Times*
- *Heavy-duty belts, & limit switches*
- *Virtually “Maintenance Free” single gear motor.*
- *Tempered Steel drive shaft*
- *Special fault-tolerant Power Supply*
- *Wood, Lexan®, or Aluminum Gate Arms w/rubber bumper for 10’ to 14’ gate arms*
- *Folding Gate Arm model available*
- *Rust Resistant high density rolled steel housing w/ polyester powder coated enamel paint finish (white, yellow or red)*
- *Sealed heavy-duty gear box and linkage (60:1 speed reducer)*
- *Mechanical drive shaft on self lubricating bearings*

*Model MG-2010 Lift-Arm Barrier Gate*

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**icsi**

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I. Purpose:

The **icsi** Model MG-2010 Lift-Arm Barrier Gate is an access barrier control device that provides ingress/egress for vehicular traffic lanes 10' to 12' wide. The gate is raised by a "vend" signal from a ticket dispenser, card reader, or any other electronic controlling device via its Form "C" DPDT dry-contact relay. This "vend" signal causes a lift-arm barrier gate to activate, and raise and then lower automatically.

II. Features & Functions:

- A. The Model MG-2010 Lift-Arm Barrier Gate is designed to cycle within 2 seconds when equipped with a standard 10' aluminum arm.
- B. The MG-2010 may be configured with *optional* dual electronic non-resettable totalizing counters, one of which will increment with each and every gate cycle.
- C. The MG-2010 may be configured with *optional* dual bi-directional inductive loop detectors, to be used for "arming" and "safety/closing" of the gate.
- D. The Model MG-2010 Lift-Arm Barrier Gate is powered by a 115VAC power system that will accept any power input (from 85-125VAC / 50-60Hz).
- E. The MG-2010 Barrier Gate is designed to operate in ambient temperature of -32°F to 140°F (-36°C to 60°C).
- F. Has "Auto/Manual" toggle switch to allow the gate to be raised or lowered manually.

III. Physical Description:

- A. The Model MG-2010 Lift-Arm Barrier Gate's overall dimensions are 15" deep, by 15" wide, by 40" in height. It weighs 145 pounds.
- B. The electrical power requirements for the Barrier Gate are 115VAC at 60Hz, or optional 220VAC at 50Hz. An internal UL approved step-down transformer converts this current into the 24VDC required to power all of the electronic circuitry within the device.
- C. The Barrier Gate contains a microprocessor controlled mechanism which includes a date/time clock calendar. This processor may be programmed with its operating parameters remotely via available RS-232 communications connection.

- D. The Barrier Gate housing is constructed of 11 rolled steel.
- E. Each Barrier Gate uses a 1/3 horsepower variable speed motor.
- F. Each Barrier Gate arm flange will provide for mounting the wooden arm in the horizontal (lowered) position at a height of 36" above the housing's grade level.
- G. The Barrier Gate Arm (boom) is constructed of painted and striped clear pine wood, and internally counterbalanced with adjustable extension springs.



Proudly made



in the U.S.A.

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