Integrated Control Systems International™

LIFT-ARM BARRIER GATE
Model DG-2010

Model DG-2010 Lift-Arm Barrier Gate

- *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)*
- *Sealed heavy-duty gear box and linkage (40:1 speed reducer)*
- *Mechanical drive shaft on self lubricating bearings*

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I. Purpose:

The ***icsi*** Model DG-2010 Lift-Arm Barrier Gate is an access barrier control device that provides ingress/egress for vehicular traffic lanes 10’ to 14’ 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 DG-2010 Lift-Arm Barrier Gate is designed to cycle within 2 seconds when equipped with a standard 10’ aluminum arm.

B. The DG-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 DG-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 DG-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 DG-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 DG-2010 Lift-Arm Barrier Gate’s overall dimensions are 15" deep, by 15" wide, by 38" in height. It weighs 145 pounds.

B. The electrical power requirements for the Barrier Gate are 115VAC at 60Hz, or optional 230VAC 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 ½ 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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