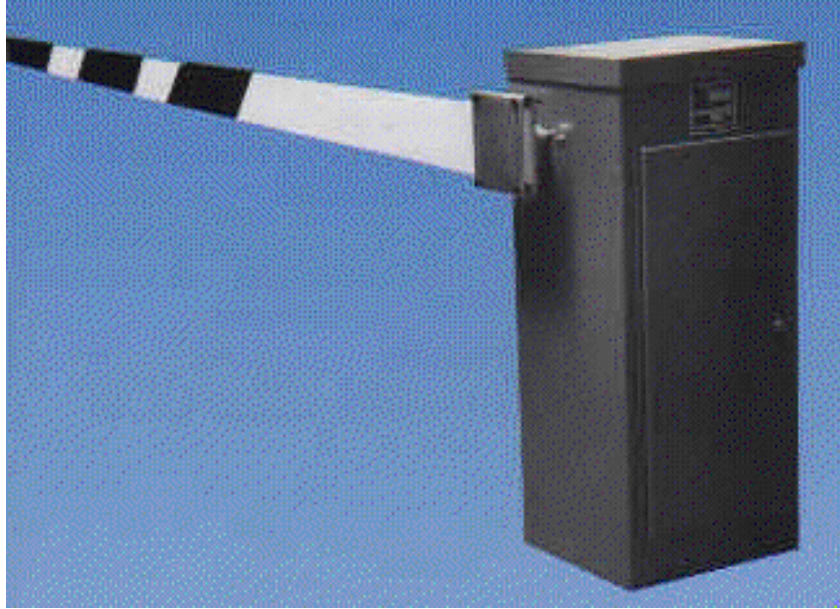


## MODELS PG-10/12/14/16



### FEATURES:

- 100% Solid State Plug-in control circuit provides all necessary control functions.
- Theft and tamper resistant, no exterior mounting bolts.
- Easy access to drive mechanisms through hinged, locked, weatherproof cover.
- Rugged, weatherproof, 10-gauge steel housing.
- Access to control equipment through all-weather, locked side door.
- Double reduction oversized American Made gearbox, no belts or chain drive
- Output Shaft mounted on ball bearing flanges.
- Rebound feature and closing timer included.
- Access panels on two sides of housing.

One option to be included for installation with limited overhead clearance is the folding gate arm. The gate arm shall be comprised of two wooden pieces firmly supported by metal brackets and a single adjustable steel rod. Wooden brackets and cable shall not be acceptable.



## Barrier Gate

### HOUSING:

The housing shall be weatherproof and constructed of ten gauge cold rolled steel. All seams, joints and supports shall be electric bead welded. (Spot weld is not acceptable for the housing construction).

A top lid, secured by a latch located within the housing, shall provide access to the motor compartment. A keyed locked door shall provide access to the interior of the housing. The door and the top lid shall be designed to retard against unauthorized entry, tampering and vandalism. An opening of 7" X 9" for conduit stub-ups shall be provided at the base of the unit.

The cabinet shall be finished with two coats of primer, followed by two coats of baked enamel to insure lasting beauty and protection. Standard color is *Cardtex* beige, other colors are available.

### MECHANICAL:

The gate arm shall be driven by a 1/3 horsepower, 115 VAC single phase instant reversing motor. The motor shall be connected by a V-belt to a heavy duty, 60:1 ratio, and single reduction speed reducer.

### ELECTRICAL CHARACTERISTICS:

Phase input shall be fed through a series trip magnetic circuit breaker of UL approved type. This circuit breaker shall disconnect all cabinet power as well as offering electrical overload protection in the gear motor circuit and primary cabinet power circuits.

### CONTROL CIRCUITRY:

All control circuitry, logic, motor starting, etc., shall be contained in one easily removable, semi-sealed, housing (hereafter referred to as the control logic assembly). All connections to the control circuitry compartment shall be made by plug-in connectors.

One standard control logic assembly shall be capable of providing all system logic as well as manual functions and shall be of solid-state design. No relays or contractors shall be accepted in this unit.

Operational mode changes shall be accomplished by dipswitches located on the control board. No circuitry modification, addition or deletion shall be required to accomplish standard mode variations.

### GATE ARM REBOUND:

The reverse sensing circuit shall be a standard feature and shall be controlled by motor current. If the gate arm comes in contact with an object during the closing cycle, sufficient non-destructible pressure shall cause the gate motor driver to instantly reverse and return the gate arm to the full open position.

Pressure applied to the gate arm once it is in the full close position shall not activate the gate motor to re-open. The reverse sensing shall be a part of the control logic assembly in the locked gate housing. External or mechanical switching to accomplish gate arm rebound shall not be acceptable.