



- Municipal
- Commercial
- Government

Turn-key solutions to control traffic patterns, parking enforcement and site security



GORT INDUSTRIES

800•642•7289

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TMG-10/12/15

Barrier Gate Operators

Automatic Gate Arm Raise On Power Failure.



The combination of our proven and reliable electric Torque motor represents a simple and short opening and closing times without the gate arms bouncing in the end positions. The lever system locks the gate arm at both end positions. In the event of a power failure, it can still be moved easily by hand.

The complete drive system is attached to the gate housing as a single unit, and can easily be removed from the housing by removing the mounting screws.

A built in spring mechanism provides a precise counterbalance for the gate arm. The springs are factory set to correspond with the arm length prior to delivery. If necessary, the springs can be easily reset on site during assembly, for example, if the gate arm is shortened or if signs are attached to the gate arm.

It is also a simple matter to change the unit from right-axle drive to left-axle drive or vice versa while on site.

Features:

- Easily configured for varied installation requirements
- Isolated control logic input and output signals
- Unlimited continuous operation (100% duty)
- Extended reliability with low maintenance
- Maintenance-free torque motor drive unit
- Barrier arm lengths up to 20 feet
- Articulating (folding) arm option
- Plug-in inductive loop detectors
- Opening Speed 2.3 seconds
- Integral logic controller

Models:

- **TMG-10 10' Arm**
- **TMG-12 12' Arm**
- **TMG-15 15' Arm**



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Specifications:

Power Requirements:

- Voltage - 115V AC+/- 10%, Optional 230V. AC
- Frequency - 60Hz single phase
- Current Consumption - 80 VA typical
- Environmental- Splash proof housing IP55. Conformal coating on printed circuit boards
- Operating Temperature- 14° to 131° Fahrenheit (-10° to 55° Centigrade)

Cabinet:

- Material - 0.064in (1.6mm) galvanized steel
- Finish - Epoxy powder coated (exterior grade)
- Standard Colors - White, Other Colors upon request
- Dimensions - 35" (H) x 10" (W) x 15" (D) (885mm x 345mm x 380mm)
- Access:
 - Side Door-27in (H) x 10in (W), (690mm x 260mm) hinged and lockable
 - Lid - Top lid, internally double latched, removable
- Mounting Method - Bolt down, using four anchor bolts

Barrier Arm:

- Material - Extruding aluminum tubing
- Finish - White epoxy powder coated, wrapped with 2" (50mm) spiral red reflective tape
- Lengths -
 - BG-ARM-10 Up to 10 ft. (3m)
 - BG-ARM-12 Up to 12 ft. (3.66m)
 - BG-ARM-15 Up to 15 ft. (4.5m)
- Dimensions - 3 in (76.2mm) outside diameter, 0.05in (1.27mm) wall thickness.
- Articulation- Optional articulated knuckle (jack knife) assembly available for TMG-010 models only
- Arm Height- Center line to barrier base, 32in (820mm)

Drive Mechanism:

- Motor: Torque motor/ gearbox combination
 - Output Torque- 20Nm approximately
 - Shaft speed- 10rpm under load (*Optional 25rpm under load.*)
 - Raise/Lower Time - Approximately 2.5 seconds for 90° travel (*Optional 25rpm approximately 1.2 seconds for 90° travel*)
- Mechanism Mounting- Single removable drive/ motor assembly
- Arm Arc Travel - 90°
- Arm Drive- Offset lever arm drives reduces 180° travel to 90° travel, at arm pivot, over center locked in raised and lowered position while under power.
- Arm Damping- Polyurethane buffer end stops.
- Arm Counterbalance- Dual adjustable counterbalance tension springs, according to the length of arm.
- Reversible option- Configurable for reverse operation left or right.
- Power Fail Protection- Automatic arm raise on power failure.

Packaging:

- Excluding arm Shipping Weight - 139lbs,
- Excluding arm Dimensions - 40in (H) x 17in (W) x 22in (D).

Weight:

- Excluding arm- 123lbs (56kgs)