INDUSTRIAL DUTY BARRIER GATE OPERATOR WITH HEAVY-DUTY 1/2 HP COMMERCIAL MOTOR

Reliable performance barrier gate operator for industrial applications such as airports, parking garages and manufacturing plants.

Engineered for the highest durability and safety, this powerfully designed barrier gate operator supports arm lengths up to 15 ft. and arms weighing up to 25 lbs. Heavy 11-gauge steel weather-resistant cabinet with a durable baked-on powdercoated finish and a heavy-duty 1/2 HP industrial motor with overload protection supports 100 cycles per hour, making this model ideal for installations that experience heavy traffic.
**BG770**

**STANDARD FEATURES**

Control Inputs
Control inputs allow the connection of a full range of optional external devices such as loop detectors, photo eyes, telephone entry systems, access control systems and radio receivers.

Limit Settings
All driven limit arms are fully adjustable, adding considerable convenience to unit installation and maintenance.

**OPTIONAL ACCESSORIES**

Dual Gate Capability
Supports the operation of 2 separate gate operators in unison at a single entrance, assuring consistent, simultaneous open/close cycle for both operators and bi-part capable.

Timer To Close
This optional programmable module can be set from 1 to 1,000 seconds. The unit will automatically close when your programmed time has expired.

Plug-in Style Loop Detectors
These plug-in style loop detectors can be added or removed without any tools.

Long-Distance Wiring Module
This module allows you to mount accessories or controls beyond 100 ft., from the operator.

SAMS Limit Switch Modification
This added limit switch enables the BG770 to be used on a Sequential Access Management system. This system may include a single BG770 or a pair of BG770 barrier gates and any slide or swing gate operator equipped with a GCU control board.

Single-Button Radio Modification
A radio control accessory to open (both open and close) the barrier arm, to comply with UL325, installation of secondary entrapment protection devices is required with this operator. Ask your installer which safety device is correct for your application.

**OPTIONAL ACCESSORIES**

Reverse Cabinet Modification
In the event of an obstruction close to the barrier gate, the cabinet can be reversed to allow access to cabinet door.

Articulated Arms
For use in parking garages where normal arms would be obstructed by ceiling or other obstacles. Available in both wood and PVC construction.

12 ft. Wood Arms
Standard arm used in most applications.

10 ft. PVC Arms
Replaces the standard wood arm with a lighter weight PVC arm.

15 ft. Aluminum Arm
Square, yellow grade aluminum

Thermostatically Controlled Heater
For use in extreme cold environments.

**CONFIGURATION OPTION**

**SPECIFICATIONS**

Operator Speed
90° in 4 seconds

Power
115/208/230 VAC, 60Hz

208/230/460/575 VAC, 60Hz

Accessory Power
One – 115 VAC

One – 115 VAC (available only with the 115 V model)

Operator Weight
335 lbs.

UL Listed
UL325 & UL391 Listed – Class I, II, III and IV

Dimensions

![Dimensions Diagram]

Construction
Gear Reduction:
60:1 Wormgear Reducer in Oil Bath

Motor:
1/2 Continuous Duty

Metal Frame:
11-Gauge Pre-Galvanized Steel

**RECOMMENDED CAPACITIES**

<table>
<thead>
<tr>
<th>HP</th>
<th>MAX. GATE LOADING</th>
<th>MAX. SINGLE ARM</th>
<th>CYCLIC DUTY</th>
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<tbody>
<tr>
<td>1/2</td>
<td>15°</td>
<td>20</td>
<td>100</td>
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*PVC arm lengths of up to 1° are supported.

2 YEAR WARRANTY