



Model BGU-D

Barrier Gate with Battery Back-Up

for Control of Vehicular Traffic



Specifications

The barrier gate shall be the Model BGU-D as manufactured by Operator Specialty Company, Inc. (OSCO®)

The Model BGU-D barrier gate is designed to control vehicular traffic and can be actuated by different devices, such as radio controls, single- and three-button control stations, digital keypads, coded cards, sensing loops, telephone entry systems, revenue control equipment, etc.

The Model BGU-D includes the following features:

Cabinet:

- Weather-resistant galvanized steel cabinet with powder coat finish
- Lockable and removable front cover for easy access

Mechanical:

- Dual V-belt
- Heavy-duty right-angle oil bath gear reduction
- Heavy-duty harmonic link with oil impregnated bronze bushings
- Gate arm clamp with cutting bracket

Anti-Entrapment/Detection Devices:

Operator is pre-wired to accept contact and non-contact detection devices such as reverse edges and/or photo electric eyes.

Warning Signals:

- Pre-start audio/visual outputs provided

Options:

- Stainless steel cabinet for installations in areas where high concentration of corrosive material is present
- Arm light kit

*Optional Solar Panels - contact OSCO for solar panel requirements in your area.

Battery Back-up:

- Dual batteries charged by 115 VAC or optional Solar Panels*
- Charging circuit monitors and maintains battery levels, monitors AC availability, automatically switches to batteries when AC is removed, and automatically resumes AC operation
- *Control circuit options in absence of AC power:*
 - Option 1: Fail Safe (opens the gate and shuts down until AC power is restored)
 - Option 2: Fail Secure (continues to cycle gate in normal operation until batteries run down and then cycles open. Resumes cycling when existing batteries are charged or when fresh batteries are installed)

Electrical:

- 24 VDC permanent magnet motor
- 115 VAC supply converted to 24 VDC for motor and controls
- Power on/off switch
- Three-button control station included
- Accessory connections are 24 VDC
- Easily adjustable cam-operated limit switches
- **Full system capable for access controls and reversing devices**

Control Circuit:

- Solid state circuit board, 24 VDC
- Inherent current sensing system
- 15 LEDs for easy setup and troubleshooting
- Built-in maximum run timer and auto close timer
- Master/Slave – simple three-wire connection

Gate Arm:

- 10', 12', or 14'
- Constructed of 1x4" soft wood, painted white with yellow and black warning tape and labels on each side

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The Model BGU-D barrier gate can be used for either traffic control or parking applications.

Through switch selections, the gate operator is universal and suitable for all installation and operational functions. Switch selection allows for full flexibility as to how and when the arm comes down in traffic control situations.

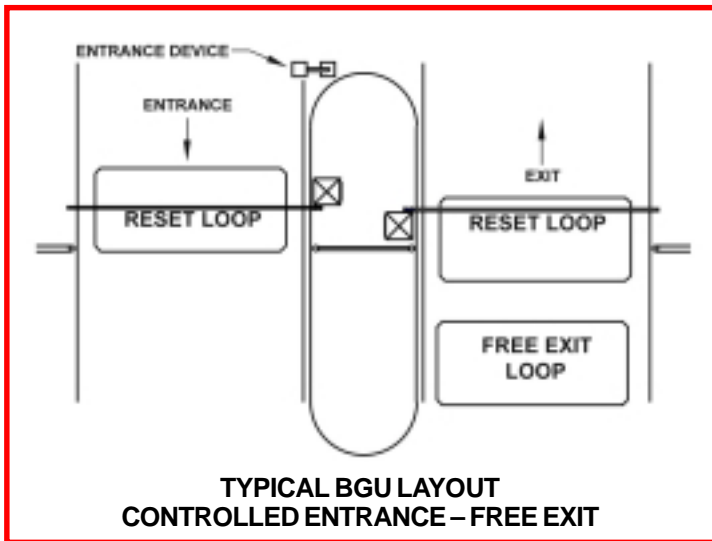
Added advantage to the DC operator is the automatic-open feature upon power loss. When the gate operator senses AC power is no longer present, the gate arm will cycle open, remaining open until AC power is restored (fail safe), or continues normal operation while monitoring the battery level. Once the batteries are low the unit will cycle open until AC power is restored or the batteries receive a full charge (fail secure).



Model BGU-D

*Shown with Optional
Loop Detectors*

Width: 15"
Height: 40 1/2"
Depth: 15 1/2"
Weight: 200 lbs.



**TYPICAL BGU LAYOUT
CONTROLLED ENTRANCE – FREE EXIT**

MANUFACTURED BY

OSCO[®]

OPERATOR SPECIALTY COMPANY, INC.

Members and Supporters of:



CAUTION! PLEASE NOTE!

Automatic gates are not for pedestrians!



Automatic gate operators are designed for vehicular traffic only. They are powerful, and can cause serious injury or death. Accordingly, direct all pedestrian traffic to a separate pedestrian gate.

— AVAILABLE THROUGH —