

OSCO®



Model MSG-D Battery Backup Swing Gate Operator



Specifications

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

The Model MSG-D operator includes the following features:

Cabinet:

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

Mechanical:

- Heavy-duty 60:1 right-angle gear reducer
- Heavy-duty gate arm assembly with harmonic design for smoother starts and stops
- Over-center gate arm "locking" angle
- #40 roller chain and sprockets
- Adjustable torque limiter

Mounting:

- Universal pad or 3 - 3 1/2" OD post mounting

Manual Release:

- Manual release is easily accessible

Anti-Entrapment/Detection Devices:

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

Warning Signals:

- Continuous tone entrapment alarm
- Warning beeper to sound when gate is moving
- Pre-start audio/visual outputs included

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 switches back when AC is restored
- *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 safe. 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
- Emergency stop/reset button on front cover
- 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:

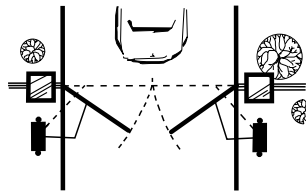
- Solid state circuit board, 24 VDC
- Inherent current sensing system
- 15 LEDs for easy setup and troubleshooting
- Built in maximum run timer and auto close timer
- Right-hand/left-hand easy conversion
- Master/Slave – simple three-wire connection
- Entrapment alarm

RECOMMENDED CAPACITIES OF MODEL MSG-D

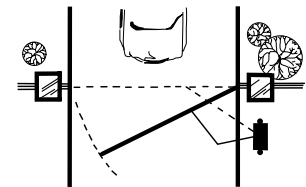
Model	Power Supply	Maximum Gate Width	Maximum Gate Weight	Seconds Open Gate	Shipping Weight
MSG-D	115 VAC Solar Panels*	19 ft.	700 lbs.	11-14	180 lbs.

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

TYPICAL APPLICATIONS FOR MODEL MSG-D



DOUBLE GATE WITH TWO UNITS



SINGLE UNIT ARRANGEMENT

MODEL MSG-D Swing Gate Operator



Width: 22" • Height: 24" • Depth: 13"

— 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.



UL325 requires the use of contact or non-contact anti-entrapment devices.

MANUFACTURED BY

OSCO[®]

OPERATOR SPECIALTY COMPANY, INC.

Members and Supporters of:



— AVAILABLE THROUGH —