

# THE APOLLO™ LINE

We Have An Operator For Your Application

## MODEL 1600/1650



Apollo offers its dual swing gate operator in two models, the 1600 and the 1650. Both models are easily installed on most existing or new swing gates of up to 14 feet in length and 400 pounds each. The 1650 model utilizes our advanced circuit board, which offers the popular soft start/soft stop feature, as well as additional inputs for a firebox, monitor lights, a lock, siren and strobe lights. Unlike other operators on the market, the 1650 model actually learns and stores in memory both the current limit settings and the length of the actuator stroke, creating a default setting for future cycles – allowing for longer operator life and greater safety.



### RESIDENTIAL

Apollo offers solar or AC powered operator systems to make entering and exiting residential property easy, as well as safe.



### FARM & RANCH

Protect the privacy of farm and ranch acreage by powering the entrance and pasture gates with Apollo operators.



### LIGHT COMMERCIAL

Apartment complexes, gated communities and mini-storage facilities can take advantage of the security and peace of mind inherent with Apollo operators.

# APOLLO™

GATE OPERATORS



Select Apollo Operators Are Listed  
and Certified to UL325



## MODEL 1600/1650

**APPLICATIONS:** Battery Operated, Solar or AC Charged Swing Gate Operator. Recommended for Residential, Farm & Ranch, and Light Commercial applications. Recommended for gates up to 14 ft. (4.3 m) in length and 400 lbs. (181 kg) each.

**SPECIAL APPLICATIONS:** Can be used in push to open or pull to open applications. This permits the choice of having the power drive cylinder inside or outside the gate regardless of hinge left or right. Direct drive system attaches directly to the gate.

**OPEN OR CLOSE CYCLE TIME:** Each direction, 15 seconds.

**BATTERY/CONTROL PANEL BOX:** 18" (46 cm) x 18" (46 cm) x 8" (20 cm) Galvanized, Weather resistant NEMA 3R.

**ACTUATOR:** 2 rust proof linear; acme screw drives; self-lubricating gears. One supplied with 8 ft. (2.4 m) of cable, the other supplied with 38 ft. (11.4 m) of cable. Externally adjustable limit switches.

**SHIPPING INFORMATION:** 3 boxes, 100 lbs. (45 kg)

OPTION	Model 1600	Model 1650
	633/634	833/834
Auto Reverse Sensitivity	X	X
Auto Reverse Sensitivity - Adjustable	X	
Auto Reverse Sensitivity - Self-Adjusting		X
Auto Close Delay - Adjustable	X	X
Dual Gate Delay - Adjustable		X
12V Fuse Protected Power Outputs For:		
Radio Receivers	X	X
Keypads	X	X
Misc. Options	X	X
Emergency Bypass	X	X
Peripheral Inputs:		
Free Exit	X	X
Safety Loop	X	X
Shadow Loop	X	X
Firebox		X
Monitor Lights		X
Lock		X
Siren		X
Strobe		X
Edge	X	X
3-Button Station	X	X
Telephone Entry	X	X
Photoeye	X	X
Timer to Close	X	X
Timer to Close Option	X	X
Slave Disable		X
3-Button Station Enable	X	X
Adjustable Lock Type		X
Coast Enable		X
Free Exit Option		X
Learn Mode		X
Intelligent Actuator Enable		X
Microprocessor		X
Soft Start		X
Soft Stop		X
Computer Connection		X
GateLink Software Option		X
Delay for Siren, etc.		X

### AVAILABLE OPTIONS

- AC Trickle Charger or Solar Panels
- Complete Line of Radio Transmitters & Receivers
- Wired or Wireless Digital Keypads
- Wired or Wireless Exit Buttons
- Intercom Systems
- Telephone Entry Systems
- Locks - Mechanical, Magnetic, Solenoid
- Safety & Free Exit Loop Detectors
- Safety Edges
- 3-Button Control Stations
- Exit Probe Detectors
- Photocell Detectors

**GENERAL DESCRIPTION:** Apollo swing and slide gate operators are ready for installation upon receipt. A professional installer is recommended. Some welding is required for proper installation.

**BATTERY REQUIREMENT:** 12 volt car type battery. Apollo recommends a maintenance-free, deep cycle marine battery - 105 amp/hour. (Not Supplied)

**NOTE:** In the event of electrical power outage, or significantly overcast days, a fully charged deep cycle marine battery (recommended) will provide up to 300 cycles or 30 days usage on a basic system before requiring a recharge.

### CIRCUIT BOARD

All standard Apollo operators are shipped with the 633/634 circuit board. Features of this board include:

- Automatic, Adjustable Close Timer
- Adjustable Current Sensitivity for Automatic Safety Reverse
- Inputs for: Free Exit Loops, Safety Loops, Under Gate Loops, Safety Edges, Free Exit Probes, Keypads, Telephone Entry Systems, Intercom Systems, Pushbuttons, Locks, Radio Receivers
- Fully Systems Capable

### APOLLO 400 UPGRADE KIT

*For use with Apollo Model 1600 & 1650 (2 required)  
Swing Gate Operators*

Recommended for gates over 14' (4.3 m) and up to 20' (6m).

The model 1600/1650 power drive cylinder is mounted between #400 arms. The operator now attaches to the gate at 8 ft. (2.4 m) for better gate control.

Weight: 1 box, 27 lbs. (12.2 kg).

### AVAILABLE FROM:

### WARRANTY

All Apollo Gate Operators have a one year limited warranty against manufacturing defects.