

# APOLLO™

## GATE OPERATORS



### MODEL 1600/1650ETL Swing Gate Operator

APOLLO OFFERS ITS DUAL ACTUATOR SWING GATE OPERATOR IN TWO MODELS, THE 1600 AND THE 1650ETL. BOTH MODELS ARE EASILY INSTALLED ON MOST EXISTING OR NEW SWING GATES OF UP TO 16 FEET IN LENGTH AND 600 POUNDS EACH. THE 1650ETL 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 1650ETL 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.

**APPLICATIONS:**

Battery Operated, Solar or AC Charged Swing Gate Operator. Recommended for Residential, Farm and Ranch, and Light Commercial applications. Recommended for gates up to 16 feet in length and 600 lbs. each.

**SPECIAL APPLICATIONS:**

Can be used in push to open or pull to open applications. This permits the choice of having the actuator 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" (46cm) x 18" (46cm) x 8" (20cm) Powder Coated Black, Weather resistant NEMA 3R.

**ACTUATOR: (2)**

Rust Proof linear, acme screw drive; self-lubricating gears. Supplied with 8 ft. of cable. 38' cable for slave actuator. Externally adjustable limit switches.

**SHIPPING INFORMATION:**

3 boxes, 100 lbs. (45 kg)

**AVAILABLE OPTIONS:**

- AC Trickle Charger or Solar Panels
- Complete Line of Radio Transmitters and Receivers
- Wired or Wireless Digital Keypads
- Wired or Wireless Exit Buttons
- Intercom Systems
- Telephone Entry Systems
- Locks – Mechanical, Magnetic, Solenoid
- Safety and 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 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 636/836 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 & 1650ETL Swing Gate Operators

Recommended for gates over 16' (5m) and up to 20' (6m). The model 1600/1650ETL power drive cylinder is mounted between #400 arms. The operator now attaches to the gate at 8 ft. (2.4m) for better gate control. 2 kits needed for 1600/1650ETL.

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

**WARRANTY:**

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

OPTION	MODEL 1600 636	MODEL 1650ETL 836
Auto Reverse Sensitivity	•	•
Auto Reverse Sensitivity-Adjustable	•	•
Auto Reverse Sensitivity-Self-Adjusting		•
Auto Close Delay-Adjustable	•	•
Dual Gate Delay-Adjustable		•
12V Fuse Protected Power Outputs For:		
Radio Receivers	•	•
Keypads	•	•
Misc. Options	•	•
Emergency Bypass	•	•
Peripheral Inputs:		
Free Exit	•	•
Safety Loop	•	•
Shadow Loop		•
Firebox		•
Monitor Lights		•
Lock		•
Siren		•
Strobe		•
Edge	•	•
3-Button Station	•	•
Telephone Entry	•	•
Photoeye	•	•
Timer to Close	•	•
Timer to Close Option	•	•
Slave Disable	•	•
3-Button Station Enable	•	•
Adjustable Lock Type		•
Coast Enable		•
Free Exit Option		•
Learn Mode		•
Intelligent Actuator Enable		•
Microprocessor		•
Soft Start		•
Soft Stop		•
Computer Connection		•
Gatelink Software Option		•
Delay for Siren, etc.		•

**AVAILABLE FROM:**

