

## GATE OPERATORS



### MODEL BA12

### Barrier Arm Operator

THE APOLLO BA12 BARRIER ARM OPERATOR IS DESIGNED TO HANDLE A BARRIER ARM UP TO 16 FEET IN TOTAL LENGTH. APOLLO OPERATORS ARE AVAILABLE ONLY THROUGH QUALIFIED DEALERS WITH AN OUTSTANDING REPUTATION IN THE FENCE AND GATE INDUSTRY. THESE DEALERS WILL BE ABLE TO RECOMMEND THE PROPER EQUIPMENT FOR PARTICULAR APPLICATIONS. APOLLO OPERATORS ARE 12 VOLT DC (*DIRECT CURRENT*) POWERED. A 12 VOLT SEALED BATTERY (33 AMPERE HOUR MINIMUM) IS RECOMMENDED.

Wireless (Solar Rechargeable Battery)  
 Runs on 12 volts DC  
 Adapts to wood, aluminum, or PVC arms  
 Operates PVC Arms up to 10 feet  
 Handles wood arms up to 16 feet (with counterweight)  
 Replacement arms are low cost and easy to change  
 Continuous operation  
 Battery (not included) rechargeable with solar or electrical battery chargers  
 Cover is key lock secured  
 All internal steel parts are zinc coated  
 Cover and pedestal are powder coated  
 Smooth mechanical soft start and stop operation  
 Uses the Apollo 800 series circuit board  
 No limit adjustments necessary  
 Two-year warranty

**SUPPLY VOLTAGE**

12 VDC

**RECOMMENDED BATTERY**

33aH Sealed Lead Acid

**BATTERY CHARGER**

1.5 amp - up to 80 cycles/day

10 amp - continuous duty (or over 80 cycles/day)

**RECOMMENDED SOLAR PANEL**

Refer to Chart

**DUTY CYCLE**

Continuous

**OPERATING TEMPERATURE**

-40°F - +150°F

**CURRENT DRAW STANDBY**

10mA

**CURRENT DRAW OPERATING**

2A

**ARM CAPACITY WITHOUT COUNTER WEIGHT**

10 ft., 8 lbs. max

**ARM CAPACITY WITH COUNTER WEIGHT**

16 ft., 12 lbs. max

**RECOMMENDED ARM MATERIAL (NOT SUPPLIED)**

1"x4" light wood (16 ft. max)

PVC (10 ft. max)

Aluminum (.050 wall thickness) 16 ft. max

**COUNTER WEIGHT (OPTIONAL)**

20 lbs. Steel

There are several advantages with 12 Volt DC systems:

- **Low voltage virtually eliminates risk of electrical shock.**
- **Battery powered operators can provide up to 500 operations in the event of power outages.**
- **The battery may be recharged with a trickle charger or by solar energy (eliminating the need for costly trenching to remote entrances).**

If a trickle charger is used and a standard electrical outlet is not readily available, then the following table should be used as a guide for capacity of operation of operators only, additional options may reduce the the daily usage. *Please note that the charge capability of solar panels will vary with different geographical locations. All solar panels and battery chargers are designed for use with a 12 volt battery.*

**CHARGING METHODS FOR AVERAGE DAILY USAGE**  
 (CAN VARY WITH GEOGRAPHICAL LOCATIONS)  
 OPTIONAL ACCESS CONTROL DEVICES WILL REQUIRE  
 HIGHER CHARGE CAPACITY

| Daily Cycles            | 1-10 | 1-20 | 1-40 | 1-60 | 1-80 | 80+ |
|-------------------------|------|------|------|------|------|-----|
| 5 watt solar panel      | *    |      |      |      |      |     |
| 10 watt solar panel     |      | *    |      |      |      |     |
| 20 watt solar panel     |      |      | *    |      |      |     |
| 30 watt solar panel     |      |      |      | *    |      |     |
| 40 watt solar panel     |      |      |      |      | *    |     |
| 1.5 amp battery charger |      |      |      |      | *    |     |
| 10 amp battery charger  |      |      |      |      |      | *   |

(20, 30, 40 watt solar panels require SG-4 regulator)

Note: Double the amount of solar panels for Dual Operators.

**AVAILABLE FROM:**