

VEHICULAR DC SWING GATE OPERATORS



Residential • Light Industrial

SWING GATE POWER OPTIONS

RESIDENTIAL - LIGHT COMMERCIAL

115 Volt AC Power Control Boxes



Deluxe Control Box



Standard Control Box

DETAILS:

- Converts 115 VAC to 24 VDC operating voltage
- Built-in battery charger
- Magnetic lock power circuit
- Includes two (2) 3.5 Ah back-up batteries (100 cycles*)
- Deluxe control box includes three (3) 115 VAC convenience outlets

Solar Powered Control Boxes and Panels

Choosing the solar power option should be dependent on geographical location, number of cycles per day expected and accessories to be used. Solar panels must be located in an area clear of obstructions and shading to allow maximum sunlight to reach the panel. Snow, heavy fog and rain will affect solar panel performance. Solar operation is not recommended in areas where temperatures routinely fall below freezing (32°F or 0°C). Solar panels should be cleaned on a regular basis to ensure optimal performance.



Solar Control Box

24 VDC SOLAR POWERED CONTROL BOXES DETAILS:

- Ideal for remote locations where 115 VAC power is not available
- 0.0 Amp SBPD circuit (Pat Pend) assures battery power is not used during idle times
- Solar panel recharges battery power
- 18 Ah and 35 Ah battery options – or supply your own batteries

SOLAR POWER DETAILS:

- 18 Ah batteries (600 cycles*) are typically used to power a single operator
- 35 Ah batteries (1200 cycles*) are used for bi-parting (dual) gate operation
- Use the 10 Watt solar panel with 18 Ah batteries
- Use the 20 watt solar panel with 35 Ah batteries
- Using a larger solar panel than recommended will result in battery damage



18 Amp/hr Single Gate Batteries



35 Amp/hr Dual Gate Batteries



*Maximum cycles on battery operation: Cycles shown are for a single operator, for dual operators, reduce this number by half. Actual number of cycles will vary depending on usage, accessories connected, gate weight, operating condition of the gate, temperature and charge state of the batteries.

6003 Vehicular Swing Gate 24-Volt DC Actuator

GATE MOUNTED
LOW VOLTAGE
COMPACT DESIGN
GATES UP TO 10' (3.0m)



- Compact design for gates up to 10 feet (3.0m)
- Ideal for residential applications
- Fully enclosed screw drive for added safety and reliability

6005 Vehicular Swing Gate 24-Volt DC Actuator

GATE MOUNTED
LOW VOLTAGE
COMPACT DESIGN
GATES UP TO 14' (4.27m)



- Moves gates up to 14 feet (4.27m) with a powerful screw drive system
- Ideal for farms, ranches, and residential applications
- Fully enclosed screw drive for added safety and reliability

Key Features

Mechanical

- 6003 and 6005 drive screws are completely enclosed to prevent dust, dirt and other airborne corrosives from contaminating screw threads.
- Gates open in approximately 16 seconds for 6003 and 6005; 18 seconds for 6004 and 6400.
- Keyed release provided on all models.
- 6003 and 6005 actuators mount directly to the gate and gate post (column) eliminating the need for concrete pads or foundations.
- 6004 mounts on the gate column and is ideal in applications where notching the column for an actuator is impractical.
- 6400 mounts in-ground under the gate making it ideal for customers who do not want the operator to distract from the aesthetics of the gate.

Electrical

- 115 VAC or 24 VDC (solar) control boxes available
- 24-VDC operating voltage
- Built-in battery back-up provides uninterrupted operation if primary (AC) power is lost.
- Soft Start / Soft Stop operation
- Adjustable, maintenance free magnetic limit switches for precise gate control
- Gate overlap feature for bi-parting (dual) gate operation
- Built-in reset and test buttons
- High current warning circuit
- Built-in battery charger (115 VAC control box only)
- Magnetic Lock circuit (115 VAC control box only)
- 0.0 Amp SBPD Circuit (Pat Pending)
(24 VDC Solar control box only)

6004 Vehicular Swing Gate 24-Volt DC Operator

COLUMN MOUNTED
LOW VOLTAGE
LOW PROFILE
GATES UP TO 8' (2.4m)



- Strong gear reduction system in a small, compact design
- Ideal for residential gates up to 8 feet (2.4m)
- Smooth operation is great for closing overlapping dual gates

6400

IN-GROUND
LOW VOLTAGE
UNSEEN
GATES UP TO 8' (2.4m)



- Virtually invisible, a perfect match for high end designer gates
- Ideal for residential applications
- Sophisticated automation without being detrimental to the original gate design

Accessories

ENTRAPMENT PREVENTION DEVICES

Photo-eyes

- Photo-reflective beams have a scan distance up to 45 ft. (14m)
- Includes reflector and mounting bracket
- Thru-beam photocells have a scan distance up to 100 ft. (30.48m)
- Separate sender and receiver
- Hooded metal enclosure
- Infrared beam



Reversing edges

- A variety of edge styles for different gates
- Mounting channels included
- 2-wire edges can be hard wired

DKS SWING GATE OPERATORS

COMPACT
RELIABLE
 EASY TO INSTALL
SAFE
 QUIET
CUSTOMIZABLE
 CORROSION-PROOF
GEAR DRIVEN
 FULLY ENCLOSED
ADJUSTABLE
 BI-PARTING
LOW VOLTAGE
 BUILT IN BACK-UP

	6003	6005	6004	6400
Residential Applications	✓	✓	✓	✓
Light Commercial Applications	-	✓	-	-
Gate Length Maximum:	10 ft (3.0m)	14 ft (4.27m)	8 ft (2.4m)	8 ft (2.4m)
Gate Weight Maximum	300 LB (136kg)	500 LB (227kg)	300 LB (136kg)	300 LB (136kg)
Soft Start/Stop	✓	✓	✓	✓
Optional Solar Power Operator	✓	✓	✓	✓
Mounting Styles				
Column	✓	✓	✓	-
In-Ground	-	-	-	✓
Gate	✓	✓	-	-
Loop Detector Ports*	✓	✓	✓	✓
Magnetic Lock Power**	✓	✓	✓	✓
Keyed Manual Release	✓	✓	✓	✓
Back-Up Batteries	✓	✓	✓	✓
24 Volt DC Operating Voltage	✓	✓	✓	✓

* loop detector ports are only used with 115 VAC control box
 ** 115 VAC control box only

Receivers and Transmitters

Low power draw receiver is specially designed for use in Solar applications. Open your vehicular access gates from the safety and convenience of a vehicle. Works with MicroPlus and MicroClik transmitters.



Loop Detectors

- Plug-in detectors (115 VAC control box only) and hard wired detectors
- Single and dual channel
- Pre-fabricated loops available or form your own loops



Magnetic Locks (115 VAC control box only)

For added security, DKS offers Magnetic Locks for securing swing gates from unwanted entry with 1200 pounds of holding force. With outputs built into your chosen Swing Gate operator, its easy to install integrated Magnetic Locks to your access gate.