DC swing gate operator, battery back-up & solar power

- 115/230 VAC (switch selectable) input power or 24 VDC solar power
- 1/2 HP quadra drive heavy-duty DC motor
- Split housing allows easy access without having to remove the gate arm
- Easy to adjust electronic magnetic limits eliminate old style mechanical switches that can wear out, break or fail
- Heavy-duty steel frame
- 0.0 Amp SBPD circuit (solar power only)
- Solar power ready
- 5-year limited warranty

RESIDENTIAL • COMMERCIAL

ACCESS CONTROL SOLUTIONS

Easy to Operate manual release
Steel Frame for strength and durability
Gate Tracker™ record users access
DC Motor & Battery Backup for continued gate operation if AC power is lost access to all internal parts
MECHANICAL
Primary reduction is provided by a pulley / belt driving a 60:1 worm gear reduction system running in a continuous oil bath.
The 6524 rotates the gate 90° in approximately 12-14 seconds.
Operator mechanics are mounted on a steel frame plated for corrosion resistance.
Two-piece articulating arm mechanical slow-start / slow-stop function.
Mounting: operator requires a concrete mounting pad.
Keyed access is provided to release arm for manual gate operation in the event of a power outage.
Split polypropylene housing simplifies installation and maintenance, no need to remove the gate arm.
Unique breakaway hub helps to protect the gear box if the gate is rammed.

GATE TRACKER™
Reporting output provides operator data to a DKS 1833, 1835, 1837 or 1838 access control system (requires 2358 expansion board).

OPTIONS
18 Ah batteries (operator includes two (2) 7.5 Ah SLA batteries)
Solar kit (Includes two 18 Ah batteries and 10 watt, 24 VDC solar panel)

ELECTRICAL
Easy adjustable electronic magnetic limit switches.
Auto-close timer 1-30 seconds.
Gate overlap feature for dual (bi-parting) gate operation.
Selectable shadow / reverse loop function.
DC power shut-off switch.
Battery protection circuit.
Ports for plug-in open and reverse loop detectors. DKS plug-in detectors only.
AC Powered Operator Only
115 VAC convenience outlets
AC power shut-off switch.
Magnetic lock power.
DC Powered Operator Only
0.0 Amp SBPDPatPend circuit.

MISCELLANEOUS
Environmental: 10°F to 115°F (-12°C to 46°C)
Thermostatically controlled heater kit required for operation below freezing temperatures to prevent batteries from freezing.
Heater kit can only be used with AC powered operators.
Shipping weight approximately 175-225 lb (79-102 kg) depending on model and options selected.
Operator requires monitored Type B1 and/or Type B2 entrapment protection devices.

Conforms To ANSI/CAN/UL 325:2017 Ed. 7
Certified To CSA C22.2 #247

DoorKing®, Inc.
Access Control Solutions since 1948

1 Assumes gate swings in a level arc, in good condition with properly adjusted hardware.
2 Assumes a 16 ft gate weighing 800 lb. Other external factors (temperature, charge state of batteries, gate weight, gate length, etc.) will affect the performance of the Gate Operator and may reduce the number of cycles shown.

© 2019 All Rights Reserved. Product specifications may change without notice. Rev. 7/19