



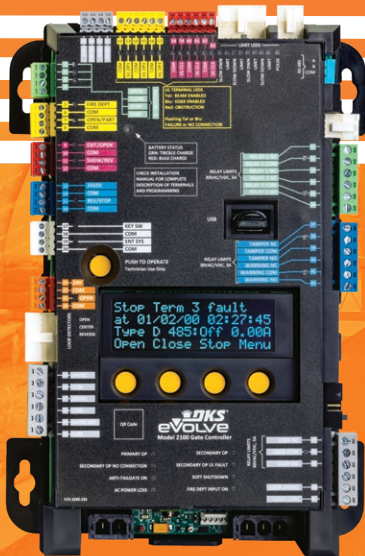
2160 VEHICULAR DC SWING GATE OPERATOR

eVolve

THE NEXT GENERATION OF ACCESS CONTROL

**Smart, brushless DC swing gate automation
with battery backup**

- 120 / 240 VAC selectable input or 24 VDC
- Brushless DC motor available in 500W (½ HP) or 750W (1 HP) configurations
- Split housing design allows easy access without removing the gate arm
- Heavy-duty steel frame built for continuous-duty operation
- Integrated battery backup with two (2) 7Ah batteries
- 5-year limited warranty
- Five (5) programmable relays
- Six (6) programmable UL inputs
- Built-in Diagnostics
- Electronic magnetic limit switches for precise, reliable gate positioning



eVolve™ Smart Controller

Built-in smart controls with Digital Onboard Operator Controls and Programming Access Controller via RS485 . USB configuration backup, event logging, and diagnostics.

Residential • Commercial • Industrial



Easy Onboard Programming

Intuitive onboard LCD interface allows fast setup, adjustment, and diagnostics directly at the operator—no external devices required.



Powerful Brushless DC Motors

Up to 1,800 lb swing gate capacity for demanding residential and commercial applications.

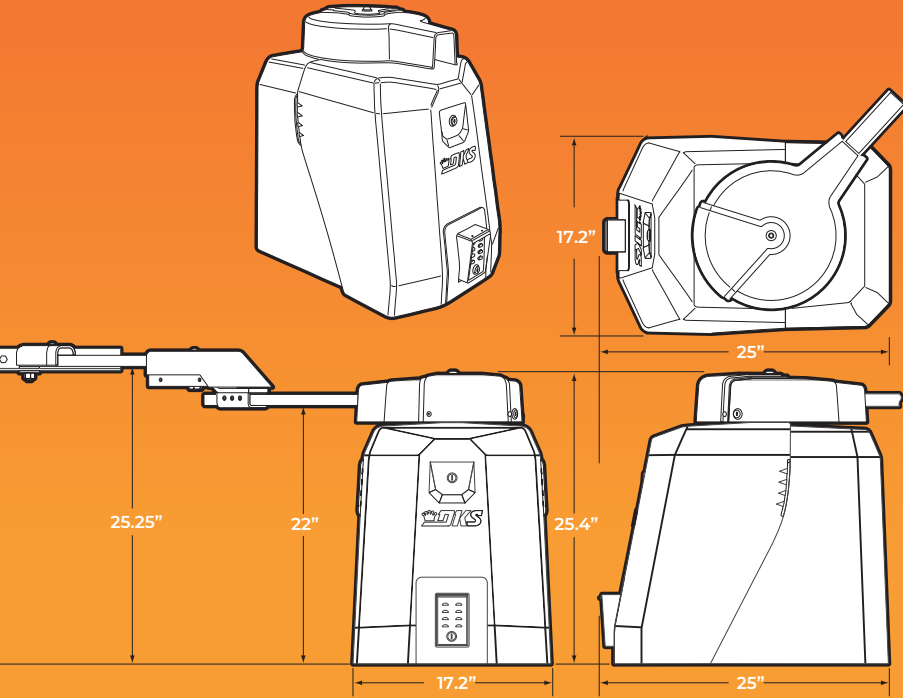


Built from the Ground Up

Heavy-duty steel construction with a durable semi-gloss black powder coat engineered for continuous-duty residential and commercial applications.

ACCESS CONTROL SOLUTIONS

2160 VEHICULAR DC SWING GATE OPERATOR



	2160-380	2160-381
CLASS OF OPERATION	I, II, III, IV	I, II, III, IV
MAX GATE LENGTH	18 ft (5.49 m)	22 ft (6.71 m)
MAX GATE WEIGHT	1,200 lb (544 kg)	1,800 lb (816 kg)
MOTOR	Motor Brushless 36 VDC ¹ 500W (½ HP)	Motor Brushless 36 VDC ¹ 750W (1 HP)
INPUT	120 / 240 - 1 ^Ø VAC 5 A / 3 A	120 / 240 - 1 ^Ø VAC 7 A / 4 A
BATTERY BACKUP	TWO (2) 7AH	TWO (2) 7AH
MAXIMUM CYCLES	40 cycles with 7Ah batteries 150 cycles with 18Ah batteries	40 cycles with 7Ah batteries 150 cycles with 18Ah batteries
DUTY CYCLE	Continuous with AC	Continuous with AC

Note 1: 36 VDC motor is operated at 24 VDC.

TECHNICAL FEATURES

MECHANICAL

Class of Operation: I, II, III, IV

Maximum Gate Weight:

– 2160-380: 1,200 lb

– 2160-381: 1,800 lb

Maximum Gate Length:

– 2160-380: 18 ft

– 2160-381: 22 ft

Pulling Medium: Harmonic Arm

Adjustable Speed: 90° in 10–12 seconds

Gearbox Reduction: 60:1

Duty Cycle: Continuous

Power Loss Operation: Push Button, Constant Pressure

Manual Release: Keyed Release

Power Switches: AC / DC

Motor (Brushless 36 VDC¹):

– 2160-380: 500W (½ HP)

– 2160-381: 750W (1 HP)

Input Power VAC: 120 / 240 - 1^Ø

Amps (120 / 240 VAC):

– 2160-380: 5A / 3A

– 2160-381: 7A / 4A

Accessory Device Power: 24 VDC, 3A

Battery Backup: Two (2) 7 Ah batteries

GATE TRACKER™

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

SMART CONTROLS (EVOLVE™)

- Onboard LCD operator programming USB configuration backup and restore
- Built-in diagnostics and event logging
- Supports plug-in accessory hub modules
- Compatible with DKS access control systems

MISCELLANEOUS

Environmental:

-10°F to 158°F (-23°C to 70°C)

With optional heater kit: -40°F to 158°F (-40°C to 70°C)

Heater Kit:

Thermostatically controlled heater kit required for operation below freezing temperatures to prevent battery damage.

Heater kit is for AC-powered operators only.

Shipping Weight:

Approximately 175–225 lb (79–102 kg), depending on model and options selected.

Safety Requirements:

Operator requires monitored Type B1 and/or Type B2 entrapment protection devices.

DoorKing®, Inc.

Access Control Solutions since 1948



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