



# 9024 VEHICULAR AC/DC SLIDE GATE OPERATOR



## DC SLIDE GATE OPERATOR BATTERY BACK-UP & SOLAR POWER

- The 9024 can run exclusively on AC power with battery backup, or solely on solar power.
- Operator is 24 Volt DC and includes built-in Battery Backup
- 115/230 VAC (switch selectable) or 24 VDC Solar Power
- 1/2 HP Quadra Drive Heavy-Duty DC Motor
- Adjustable Limit Nuts for precise gate limit control
- Easy to use manual T-handle release
- Heavy-Duty Gearbox
- 0.0 Amp SBPD Circuit (solar power only)
- Solar Power ready
- Pad or Post mount
- Heavy-Duty Steel Frame
- 5-Year Limited Warranty

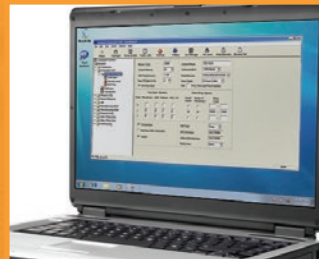
RESIDENTIAL • COMMERCIAL



**Easy To Use**  
"T-Handle" release



**Quadra Drive DC Motor**  
for longer life



**Gate Tracker™**  
reporting output



**Full Size Gearbox**  
heavy-duty 30:1 ratio gearbox

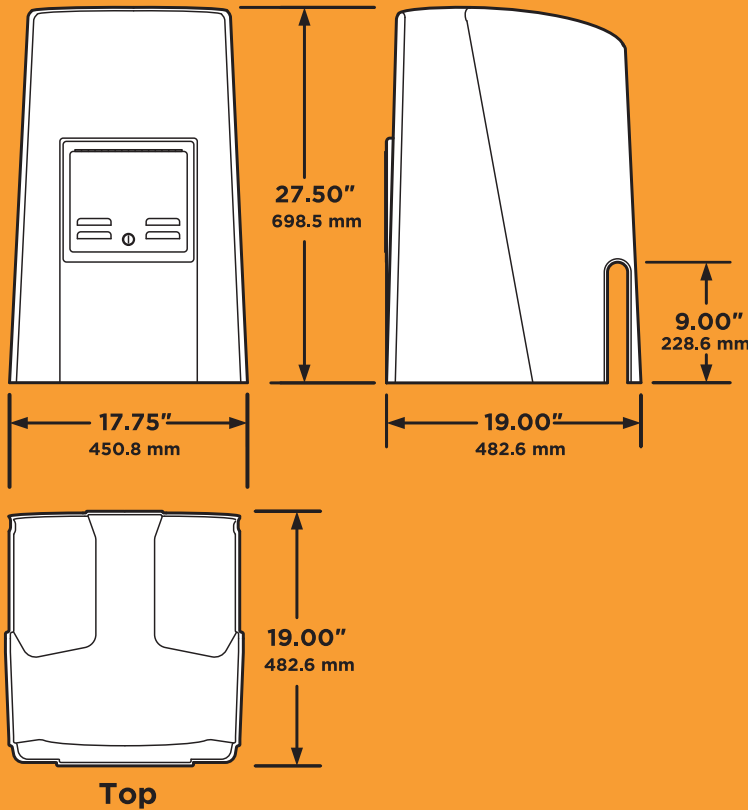
ACCESS CONTROL SOLUTIONS



# 9024 VEHICULAR AC/DC SLIDE GATE OPERATOR

Front

Right Side



## TECHNICAL FEATURES

### MECHANICAL

Frame: 3/16 Steel, corrosion protected  
 Cover: 1/4 inch Polypropylene  
 Reduction: Belt Driven 30:1 gear reduction running in a continuous oil bath  
 Speed: Approximately 1 ft/sec (30.5 cm/sec)  
 Chain: Unit is shipped with 20 ft of #40 roller chain  
 Manual Release: "T-Handle" release is easily accessible from front of operator. Operator re-connects automatically when handle is released

### GATE TRACKER™

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

### OPTIONS

Heater kit for cold weather environments (only used with AC powered operator)  
 Steel Base plate for post mounting  
 18 Ah batteries (AC powered operator only)  
 Solar Kit (Includes two 18 Ah batteries and 10 Watt, 24 VDC solar panel)

### ELECTRICAL

Adjustable Partial Open Limit  
 Easy Adjustable Chain Driven Limit Nuts  
 Auto-Close Timer 1-30 seconds  
 Selectable Loop / Reverse input function; stop or reverse  
 Anti-Tailgating feature helps to control un-authorized traffic  
 Standard Normally Closed Stop Circuit  
 DC Power Shut-Off switch  
 Battery Protection Circuit  
 Ports for plug-in Open and Reverse Loop Detectors (DKS Detectors only)

#### AC Powered Operator Only

115 VAC Convenience Outlets  
 AC Power Shut-Off switch

#### DC Powered Operator Only

0.0 Amp SBPDPatPend Circuit

### MISCELLANEOUS

Environmental: -10°F to 140°F (23°C to 62°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.  
 Operator requires Type B1 or Type B2 entrapment protection devices in each direction of travel, otherwise the operator will not function.  
 Shipping weight approximately 130-150 lb (59-68 kg) depending on model and options selected.

9024	9024-080 (Requires AC Power)	9024-081 (Requires Solar Power)
CLASS OF OPERATION	I, II, III, IV	I, II, III, IV
MAX GATE LENGTH*	40 ft (12.2 m)	40 ft (12.2 m)
MAX GATE WEIGHT*	1000 lb (453.6 kg)	1000 lb (453.6 kg)
MOTOR	1/2 HP Quadra Drive DC Motor	1/2 HP Quadra Drive DC Motor
INPUT	115 / 230 VAC 1.8 A / 0.9 A	24 VDC 8.5 A
MAXIMUM CYCLES	Continuous with AC source 40 with 7.2 Ah backup battery power <sup>1,2</sup> 150 with 18 Ah backup battery power <sup>1,2</sup>	150+ <sup>1,2</sup> with DK solar kit, unknown with systems / batteries provided by others

1 Assumes gate is on level ground, in good condition with properly adjusted hardware.

2 Assumes a 16 ft gate weighing 1000 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.



## DoorKing®, Inc.

Access Control Solutions since 1948



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