



2009 PRODUCT CATALOG

www.vikingaccess.com

INTRODUCTION



Viking Access Systems ... introducing you to the latest innovations in gate automation and the access control industry.

At Viking Access, we are continuously working hard to identify and design products that will appeal to the industry and it's needs. As technology continues to advance, we have developed a completely efficient and intelligent line of gate operators to meet the changing demands. These machines offer; full UL325 and UL991 compliance, soft-start and soft-stop, intelligent obstruction sensors, continuous operation (100% duty cycle) and extreme power efficiency. Our operators offer innovative features such as; adaptive and self-learning algorithms, redundancy design in both hardware and software to ensure operation and functionality, protection from lightning, short circuit and power surges, and our exclusive helical gearing offering the highest efficiency rating in the industry. Our entire product line is continually modified, augmented and improved based on the latest technology and our customer's valuable feedback. The results are products that offer accuracy, efficiency, reliability and performance , all in sleek, high-tech designs.

We pledge to continue establishing ourself as the leader in high quality, innovative gate operators by developing "Next Level" technology. We are committed to providing safety and convenience with innovative solutions for every security gate need.



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SWING GATE OPERATORS

residential and commercial

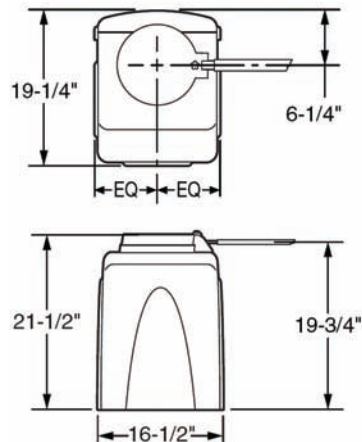




RESIDENTIAL AND COMMERCIAL
SWING GATE OPERATOR

CLASS I, CLASS II, CLASS III, AND CLASS IV VEHICULAR GATE OPERATOR

The standard specifications and features of the F-1™ showcase the commitment made in its concept and design. Whether it's the simple, clean installation, energy efficient operation, or advanced battery backup function, this operator stands alone in its class.



DESIGN FEATURES AND MANUFACTURED SPECIFICATIONS

Some of the standard features include: 7 year residential and 5 year commercial warranty, UL 325 and 991 listing, fail-safe / fail-secure clutch mechanism, simple limit switch arrangement, clam shell cover design, 120/220 VAC single phase power source, built in three push button station, built in battery backup capable of 300 cycles in case of power failure, on-board lightning protection, and soft-start / soft-stop with intelligent obstruction detection.

7 YEAR RESIDENTIAL AND 5 YEAR COMMERCIAL WARRANTY

OPERATIONAL SPECIFICATIONS

OPERATION	24 VDC WITH 1/2 HP MOTOR
MAIN POWER SOURCE	120 / 220 VAC SINGLE PHASE
BATTERY	7 AMP HR 12 VDC X 2
MAX GATE WEIGHT	1200 LBS. / 12' GATE OR 800 LBS. / 16' GATE
MAX OPERATING SPEED	13 - 16 SECONDS PER 90°
BATTERY BACKUP OPERATION	300 FULL CYCLES (600 LBS. / 12' GATE)
MAX DUTY CYCLE	100% (CONTINUOUS CYCLES)
OPERATING TEMPERATURE	-4°F TO +158°F

A. EFFICIENT GATE OPERATION

The Helical-Bevel Gear-head Motor unit is an exclusive one of a kind technological mechanical and electrical advantage offered only on the F-1™ Gate Operator. Not available on any other operator at any price, this helical-bevel system offers efficiency that reaches levels of 90%.



A.

B. CONVENIENT OPERATOR ACCESS

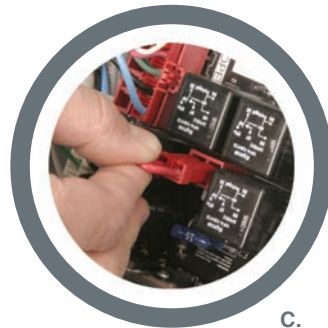
The F-1™ features an easily removable cover that allows access to the entire gate operator, providing convenience during troubleshooting or during the final tuning stage of installation.



B.

C. COMPLIANT EMERGENCY OPERATION

The included Fail-Safe, Fail Secure feature provides compliance with many city and fire codes by allowing full and safe operation of the gate operator by use of an exclusive Key . Having the Key in place enables the security to prevent the clutch action needed in a fail-safe system.



C.

This gate operator uses the fast multitasking
GATOR Logic Board



MANUFACTURED WITH QUALITY COMPONENTS AND ADVANCED FEATURES

UV stabilized high quality polyethylene cover • clam shell cover design • reinforced chassis
fail-safe / fail-secure clutch mechanism • simple limit switch arrangement • soft-start / soft-
stop with intelligent obstruction detection • on-board lightening protection • built-in three
push button station • 120 / 220 VAC single phase power source

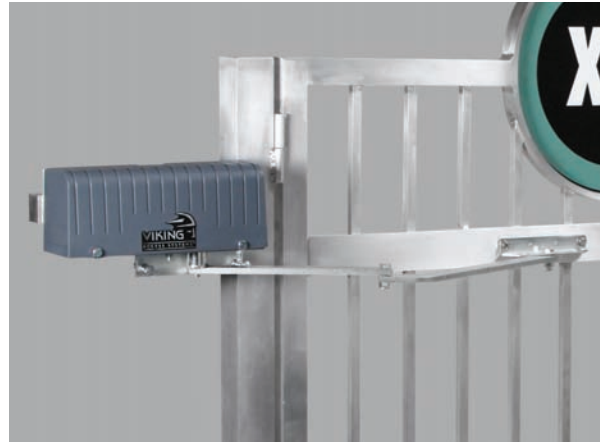
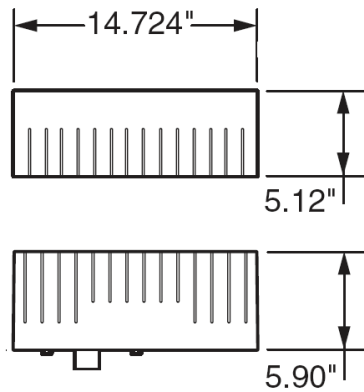




RESIDENTIAL AND COMMERCIAL
SWING GATE OPERATOR

CLASS I, CLASS II, CLASS III, AND CLASS IV VEHICULAR GATE OPERATOR

The standard specifications and features of the X-9™ gate operator showcase the commitment made in its concept and design. Whether it's the simple, clean installation, energy efficient operation, or advanced battery backup function, this operator stands alone in its class. Included with the standard package are high quality direct burial cable, the complete control center and the X-9™ operator.



DESIGN FEATURES AND MANUFACTURED SPECIFICATIONS

Some of the standard features include: 3 year residential and 2 year commercial warranty, UL 325 and 991 listing, adjustable timer for automatic closure, high efficiency power supply, a built in three push button station, a built in battery backup capable of 800 cycles in case of power failure, on-board lightning protection, and easy access to limit switches.

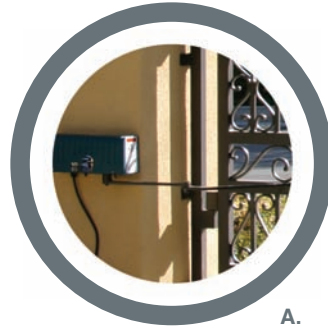
3 YEAR RESIDENTIAL AND 2 YEAR COMMERCIAL WARRANTY

OPERATIONAL SPECIFICATIONS

OPERATION	24 VDC WITH 1/2 H.P. MOTOR
MAIN POWER SOURCE	120 / 220 VAC SINGLE PHASE
BATTERY	7 AMP HR 12 VDC X 2
MAX GATE WEIGHT	600 LBS.
MAX GATE LENGTH	14 FEET
MAX OPERATING SPEED	10 - 13 SECONDS PER 90°
BATTERY BACKUP OPERATION	800 FULL CYCLES (600 LBS. / 12' GATE)
MAX DUTY CYCLE	100% (CONTINUOUS CYCLES)
OPERATING TEMPERATURE	-4°F TO +158°F

A. SIMPLE ELEGANT APPEARANCE

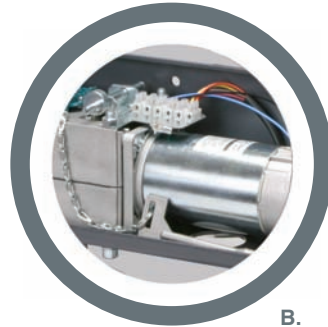
The elegant appearance of this gate operator is matched only by its ease of use. It is installed with surprising simplicity, allowing architectural attention to focus on the design of the gate.



A.

B. SETTING HIGHER STANDARDS

The X-9™ has set a higher standard in the Access Control Industry with three new standard-setting features: An extremely compact gear system enclosure, allowing the operation of heavy gates with very low input torque. An innovative 1/2 hp motor requiring a relatively small amount of power while easily producing the required torque. A built-in battery back-up system, which provides up to 800 cycles of operation in event of power failure.



B.

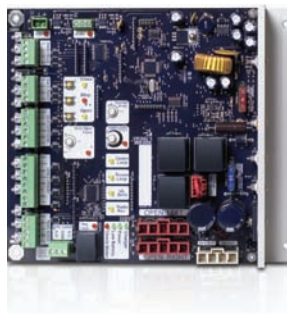
C. DESIGNED FOR SPECIAL APPLICATIONS

The new Viking X-9™ has been specifically designed as the ideal simple solution for column or post mount applications. It can be mounted on columns up to fifteen inches wide.



C.

This gate operator uses the fast multitasking **GATOR Logic Board**



MANUFACTURED WITH QUALITY COMPONENTS AND ADVANCED FEATURES

adjustable timer for automatic close • high efficiency power supply • built-in battery backup
on-board lightening protection • easy access to limit switch • 800 cycles in case of power
failure • built-in three push button station

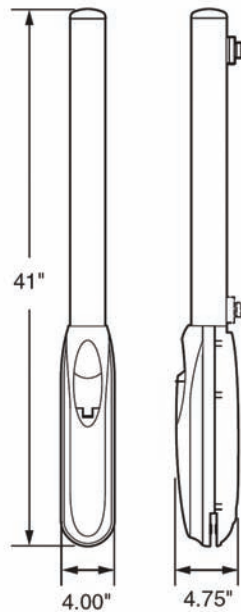




RESIDENTIAL AND COMMERCIAL
SWING GATE OPERATOR

CLASS I, CLASS II, CLASS III, AND CLASS IV VEHICULAR GATE OPERATOR

With its compact, low profile design and the power to support 700 lbs of weight along with gate lengths of up to 16 feet, the Viking G-5™ will revolutionize the idea of gate operation. This operator is manufactured with the highest quality components and is designed to accent any gate style. The G-5™ is capable of continuous cycles operation at 24V DC, converted directly from an AC line. The battery back-up provides up to 400 cycles of operation with a maximum capacity gate.



DESIGN FEATURES AND MANUFACTURED SPECIFICATIONS

Some of the standard features include: 3 year residential and 2 year commercial warranty, UL 325 and 991 listing, adjustable timer for automatic close, a high efficiency power supply, a built in three push button station, a built in battery backup capable of 400 cycles in case of power failure, on-board lightning protection, and an easily accessed key release for manual operation.

3 YEAR RESIDENTIAL AND 2 YEAR COMMERCIAL WARRANTY

OPERATIONAL SPECIFICATIONS

OPERATION	24 VDC WITH 1/2 H.P. MOTOR
MAIN POWER SOURCE	120 / 220 VAC SINGLE PHASE
BATTERY	7 AMP HR 12 VDC X 2
MAX GATE WEIGHT	700 LBS.
MAX GATE LENGTH	16 FEET
MAX OPERATING SPEED	16 - 18 SECONDS PER 90°
BATTERY BACKUP OPERATION	400 FULL CYCLES (600 LBS. / 12' GATE)
MAX DUTY CYCLE	100% (CONTINUOUS CYCLES)
OPERATING TEMPERATURE	-4°F TO +158°F

A. EXCEPTIONAL LIMIT SWITCH RELIABILITY

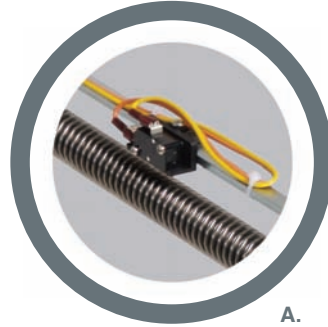
The exceptional reliability of the G-5™ limit switch system is made possible by the innovative cylindrical actuator, which allows secure actuation on all installations, including imprecise setups. The control board features hardware and digital filters ensuring accurate limit switch readings.

B. BUILT-IN POSITIVE STOP

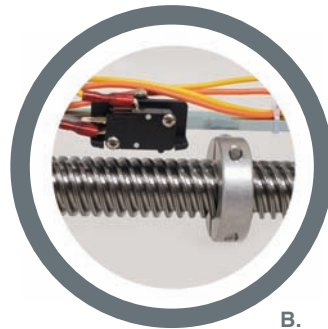
The G-5™ operator features a fully-adjustable, built in positive stop allowing for precise, secure gate operational cycles.

C. COMPLIANCE AND SECURITY

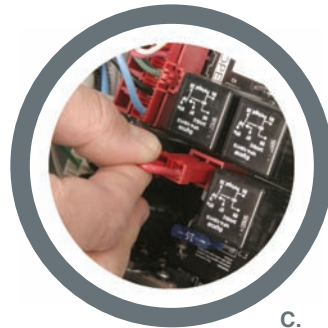
The various levels of back-driveability enable the G-5™ Gate Operator to comply with a wide range of home and building owners, fire departments and city codes. The three available settings for the gate operator's back-driveability provide a transition from fail-safe gate operator allowing unannounced access by emergency services to a fail-secure gate operator, prohibiting all unannounced access.



A.

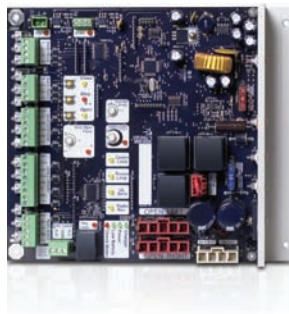


B.



C.

This gate operator uses
the fast multitasking
GATOR Logic Board



MANUFACTURED WITH QUALITY COMPONENTS AND ADVANCED FEATURES

easily accessed key release for manual operation • high efficiency power supply • easy access to limit switch • 400 cycles in case of power failure • adjustable timer for automatic close
on-board lightening protection • built-in three push button station

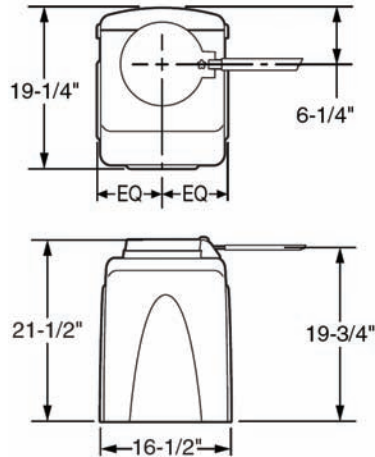




RESIDENTIAL
SWING GATE OPERATOR

CLASS I VEHICULAR GATE OPERATOR

Viking Access introduces gate operation with no belts, chains or extra coupling mechanisms. The R-6™ swing gate operator is capable of handling gates up to 600 lbs. and 14' long. The direct drive mechanism in combination with the adaptable algorithms in the control board set a new standard in gate automation.



DESIGN FEATURES AND MANUFACTURED SPECIFICATIONS

Some of the standard features include: 5 year warranty, UL 325 and 991 listing, fail-safe / fail-secure clutch mechanism, efficient direct-drive gear head motor, simple limit switch arrangement, clam shell cover design, 120/220 VAC single phase power source, built in three push button station, built in battery backup capable of 800 cycles in case of power failure, on-board lightning protection, and soft-start / soft-stop with intelligent obstruction detection.

5 YEAR RESIDENTIAL WARRANTY

OPERATIONAL SPECIFICATIONS

OPERATION	24 VDC
MAIN POWER SOURCE	120 / 220 VAC SINGLE PHASE
BATTERY	7 AMP HR 12 VDC X 2
MAX GATE WEIGHT	600 LBS.
MAX GATE LENGTH	14 FEET
MAX OPERATING SPEED	13 - 16 SECONDS PER 90°
BATTERY BACKUP OPERATION	800 FULL CYCLES (600 LBS. / 12' GATE)
MAX OPENING	120°
OPERATING TEMPERATURE	-4°F TO +158°F

A. SIMPLICITY BY DESIGN

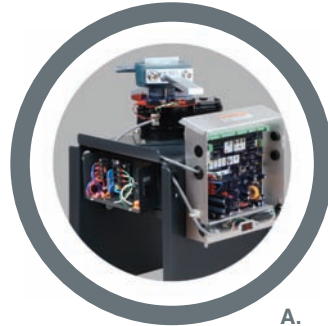
No belts, no chains no couplings! This unit's simple design requires nothing but the gear-head unit to drive the gate. The simplicity of this one of a kind operator eliminates parts and services.

B. EXTREMELY EFFICIENT MOTOR DRIVE

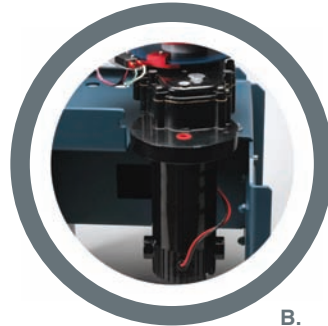
The R-6™ means efficiency. Incorporating a simple but extremely efficient motor drive enables this gate operator to feature a built-in battery back-up system providing up to 400 cycles of operation in event of power failure.

C. ACCOMMODATES DIFFERENT INSTALLATIONS

The arm assembly of the R-6™ is designed to accommodate different installation configurations. The arm is designed to achieve very compact installations as well as unconventional installations where the gate operator may need to be far away from the gate itself.



A.

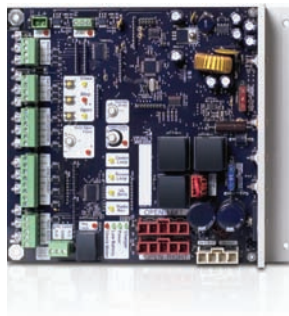


B.



C.

This gate operator uses the fast multitasking
GATOR Logic Board



MANUFACTURED WITH QUALITY COMPONENTS AND ADVANCED FEATURES

simple limit switch arrangement • fail-safe / fail-secure clutch mechanism • 800 cycles in case of power failure • efficient direct-drive gear head motor • soft-start / soft-stop with intelligent obstruction detection • UV stabilized high quality polyethylene cover • 120 / 220 VAC single phase power source • clam shell cover design • on-board lightening protection

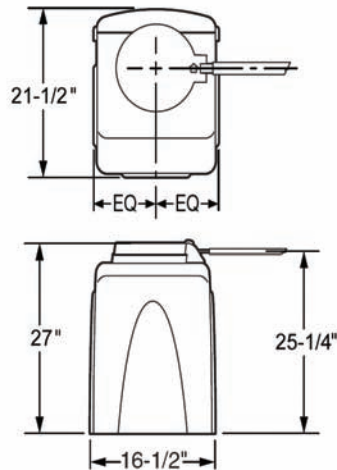




HEAVY DUTY COMMERCIAL
SWING GATE OPERATOR

CLASS I, CLASS II, CLASS III, AND CLASS IV VEHICULAR GATE OPERATOR

1HP with battery backup are simple but powerful words describing the Viking T-21™ gate operator. The T-21™ is our heavy duty swing gate operator capable of handling gates up to 1200 lbs. and 20' long. Smooth efficient gate movement is achieved with soft-start and soft-stop using the newest technology in electronics.



DESIGN FEATURES AND MANUFACTURED SPECIFICATIONS

Some of the standard features include: 7 year residential and 5 year commercial warranty, fail-safe / fail-secure clutch mechanism, simple limit switch arrangement, clam shell cover design, 120/220 VAC single phase power source, built in three push button station, built in battery backup capable of 100 cycles in case of power failure, on-board lightning protection, and soft-start / soft-stop with intelligent obstruction detection.

7 YEAR RESIDENTIAL AND 5 YEAR COMMERCIAL WARRANTY

OPERATIONAL SPECIFICATIONS

OPERATION:	24VDC WITH 1 H.P. MOTOR
MAIN POWER SOURCE:	120 / 220 VAC SINGLE PHASE
BATTERY:	7 AMP HR 12 VDC X 2
MAX GATE WEIGHT:	1200 LBS. / 20' GATE 2000 LBS. / 12' GATE
MAX OPERATING SPEED:	13 - 16 SECONDS PER 90°
BATTERY BACKUP OPERATION:	100 FULL CYCLES (600LBS. / 12' GATE)
MAX DUTY CYCLE:	100% (CONTINUOUS CYCLES)
OPERATING TEMPERATURE	-4°F TO +158°F

A. EXTREME POWER AND EFFICIENCY

This gate operator provides up to 1 HP of torque for heavy swing gate operation. The power of the T-21™ is complimented by it s helical bevel gear head motor, making this gate operator a very efficient, powerful access control solution.

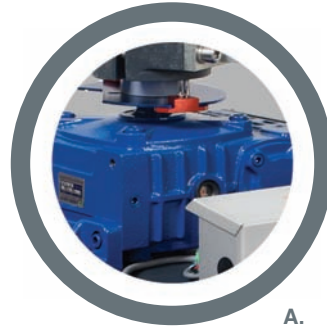
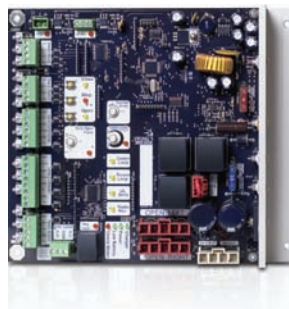
B. HIGH OUTPUT BATTERY BACKUP

The T-21™ is efficient at very high torques, demanding a high output battery back up system. Standard on this machine is a 7AHr battery to meet this demand. This enables the T-21™ to operate up to 100 cycles in case of a power failure.

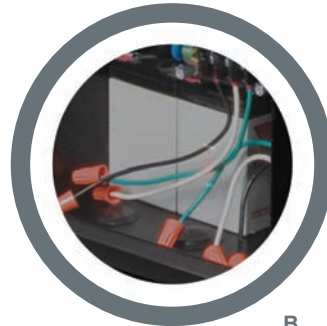
C. MODULAR POWER SUPPLY

Another feature of the T-21 is the convenient modular power supply. The modular power supply includes protection against lightning strikes, electromagnetic filters, power service outlets and power switches. The various protections on this module increase the immunity of the gate operator to external events and also increase the reliability of the operator itself.

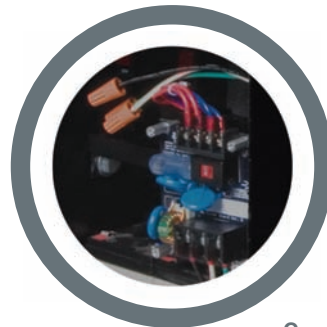
This gate operator uses the fast multitasking
GATOR Logic Board



A.



B.



C.

MANUFACTURED WITH QUALITY COMPONENTS AND ADVANCED FEATURES

1 H.P. solution • built-in battery backup • highly efficient helical-bevel gear-head-motor unit • 3 Amps on a 120 VAC circuit • simple switch to operate with 220 VAC single phase convenient switch and power receptacles • spacious room for external accessories built-in lightning protection.

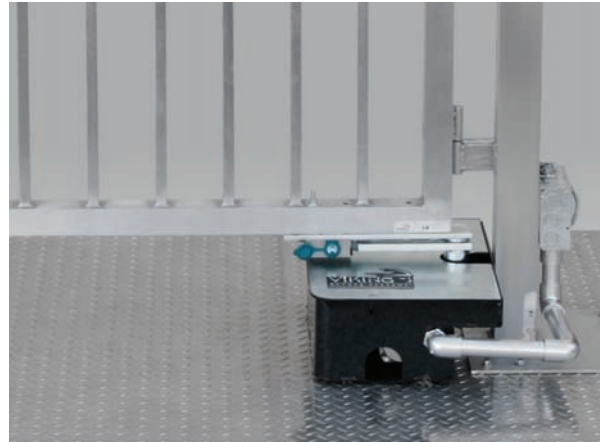
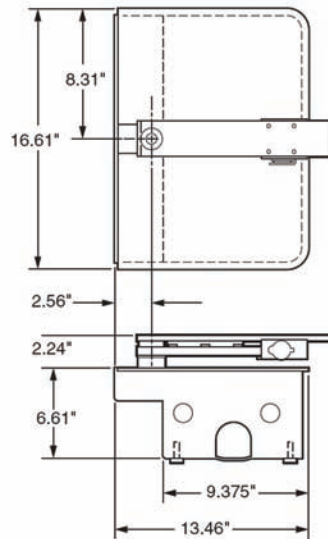




UNDERGROUND
SWING GATE OPERATOR

CLASS I, CLASS II, CLASS III, AND CLASS IV VEHICULAR GATE OPERATOR

The answer for an elegant solution for access control is fulfilled with the i-8 gate operator. The discreteness of the installation, the flexibility of operation, the efficiency of automation, and the adaptability of integration makes the i-8 gate operator a perfect solution in situations where aesthetics are required to satisfy the most exquisite taste.



DESIGN FEATURES AND MANUFACTURED SPECIFICATIONS

Some of the standard features include: 3 year residential and 2 year commercial warranty, UL 325 and 991 listing, a water resistant gear head unit, single stage, efficient gearing system, key for manual release, powerful and efficient DC motor in direct-drive configuration, aluminum, stainless steel and plated steel Internal parts, and built in battery backup capable of 400 cycles in case of power failure.

3 YEAR RESIDENTIAL AND 2 YEAR COMMERCIAL WARRANTY

OPERATIONAL SPECIFICATIONS

OPERATION	24 VDC WITH 1/2 H.P. MOTOR
MAIN POWER SOURCE	120 / 220 VAC SINGLE PHASE
BATTERY	7 AMP HR 12 VDC X 2
MAX GATE WEIGHT	650 LBS.
MAX GATE LENGTH	12 FEET
MAX OPERATING SPEED	13 - 15 SECONDS PER 90°
BATTERY BACKUP OPERATION	400 FULL CYCLES (500 LBS. / 12' GATE)
MAX DUTY CYCLE	100% (CONTINUOUS CYCLES)
OPERATING TEMPERATURE	-4°F TO +158°F

A. EXCLUSIVE UNDERGROUND INSTALLATION

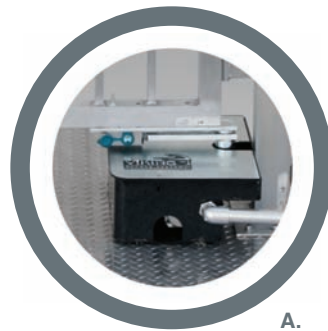
The I-8™ Gate Operator features an exclusive underground installation leaving only the simple moving arm visible at the bottom of the gate, allowing architectural attention to focus on the design of the gate or entrance. This operator is also ideal for situations where architectural or physical constraints prevent the installation of other gate operators.

B. INTEGRATED POSITIVE STOP SYSTEM

Travel limits for the gate are easily set using a positive stop system integrated in the The I-8™. This positive stop system also provides a quick and secure method of adjustment.

C. WATER-TIGHT ASSEMBLY

The water-tight assembly of the gear head motor presents an advantage over other in-ground gate operators. This water proof benefit allows performance peace of mind for the owner and installer in wet environments and installations.



A.



B.



C.

MANUFACTURED WITH QUALITY COMPONENTS AND ADVANCED FEATURES

water resistant gear head unit • single stage, efficient gearing system • configured to open left or open right • 400 cycles in case of power failure • internal parts are made of aluminum, stainless steel and plated steel • stainless steel casing available • powerful and efficient DC brush motor in direct-drive configuration • key for manual release





SLIDE GATE OPERATORS

residential and commercial

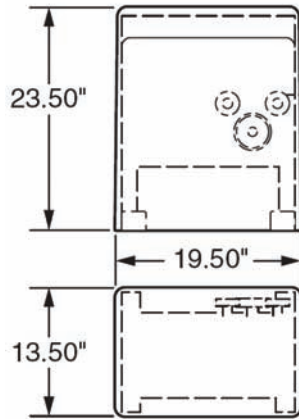




RESIDENTIAL AND COMMERCIAL
SLIDE GATE OPERATOR

CLASS I, CLASS II, CLASS III, AND CLASS IV VEHICULAR GATE OPERATOR

The L-3™ gate operator has the capacity to operate slide gates up to 1200 lbs. and 40 feet in length at 100% duty cycle under extreme conditions. It's efficient mechanism provides a solution for high traffic commercial slide gate applications. The Viking L-3™ gate operator offers efficiency and technology combined in a single package.



DESIGN FEATURES AND MANUFACTURED SPECIFICATIONS

Some of the standard features include: 7 year residential and 5 year commercial warranty, UL 325 and 991 listing, innovative fine tune adjustment for the end of gate travel (down to 1/8"), back drivable unit featuring direct drive mechanism, soft-start and soft-stop with adaptive learn algorithm, easy accessed switch for manual operation, 120/220 VAC single phase power source, a built in three push button station, a built in battery backup capable of 100 cycles in case of power failure, on-board lightning protection, and easy access to limit switches.

7 YEAR RESIDENTIAL AND 5 YEAR COMMERCIAL WARRANTY

OPERATIONAL SPECIFICATIONS

OPERATION	24 VDC WITH 1/2 H.P. MOTOR
MAIN POWER SOURCE	120 / 220 VAC SINGLE PHASE
BATTERY	7 AMP HR 12 VDC X 2
MAX GATE WEIGHT	1200 LBS.
MAX GATE LENGTH	40 FEET
MAX OPERATING SPEED	12" PER SECOND
BATTERY BACKUP OPERATION	100 FULL CYCLES (1000 LBS. / 20' GATE)
MAX DUTY CYCLE	100% (CONTINUOUS CYCLES)
OPERATING TEMPERATURE	-4°F TO +158°F

A. A DEFINITE ADVANTAGE IN GATE OPERATION

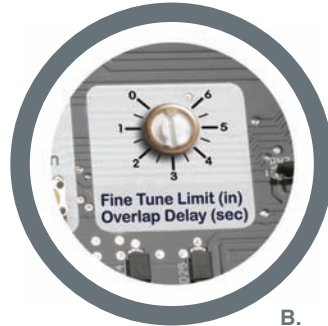
The helical gear combine with the electronic control system makes the L-3™ a very efficient gate operator. This operator can open and close a gate on a continuous basis without worries or complications. This 100% duty cycle operator offers a definite advantage to your slide gate system.



A.

B. FINE TUNE LIMIT CONTROL

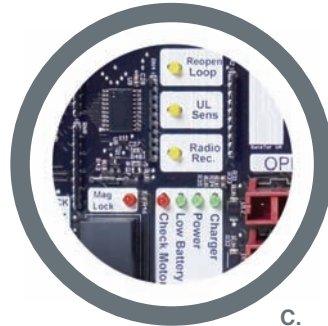
The L-3™ offers the unique ability to conveniently adjust the limit close position. This adjustment is possible by means of a trim-pot providing adjustment capabilities from 0" to 6" with resolution of 1/8". The fine tune control simplifies installation and guarantees satisfaction of the owner.



B.

C. REDUNDANT MONITORING DESIGN

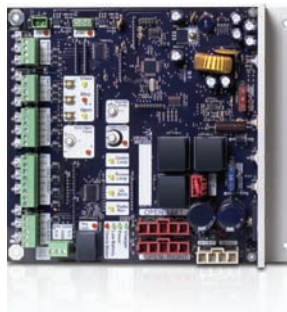
The GATOR™ control board used in Viking gate operators has a redundant monitoring design covering subsystems such as; sensor, entrapment protection, motor control, and power supply. This redundancy feature ensures that in the event one monitoring system fails, the secondary system will take over and so on. This protection make the Viking control board a leader in the industry.



C.

This gate operator uses the fast multitasking

GATOR Logic Board



MANUFACTURED WITH QUALITY COMPONENTS AND ADVANCED FEATURES

soft-start, soft-stop with adaptive learn algorithm • built-in lightening protection • innovative fine tune adjustment for the end of gate travel (down to 1/8") • back-driveable unit features direct drive mechanism • easy access to limit switch • larger chassis • 120/220 VAC single phase power source • easily accessed switch for manual operation

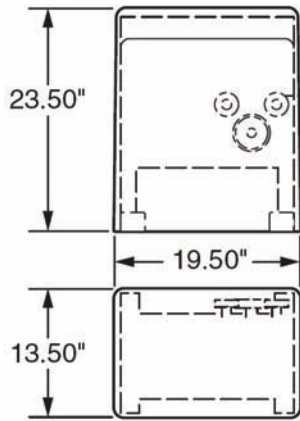




RESIDENTIAL AND COMMERCIAL
SLIDE GATE OPERATOR

CLASS I, CLASS II, CLASS III, AND CLASS IV VEHICULAR GATE OPERATOR

The H-10™ gate operator has the capacity to operate slide gates up to 2000 lbs. and 45 feet in length at 100% duty cycle under extreme conditions. It's efficient mechanism provides a solution for high traffic commercial slide gate applications. The Viking H-10™ gate operator offers efficiency and technology combined in a single package.



DESIGN FEATURES AND MANUFACTURED SPECIFICATIONS

Some of the standard features include: 7 year residential and 5 year commercial warranty, UL 325 and 991 listing, innovative fine tune adjustment for the end of gate travel (down to 1/8"), back drivable unit featuring direct drive mechanism, soft-start and soft-stop with adaptive learn algorithm, easy accessed switch for manual operation, 120/220 VAC single phase power source, a built in three push button station, a built in battery backup capable of 100 cycles in case of power failure, on-board lightning protection, and easy access to limit switches.

7 YEAR RESIDENTIAL AND 5 YEAR COMMERCIAL WARRANTY

OPERATIONAL SPECIFICATIONS

OPERATION	24 VDC WITH 1 H.P. EQUIVALENT MOTOR
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MAIN POWER SOURCE	110 / 220 VAC SINGLE PHASE
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BATTERY	7 AMP HR 12 VDC X 2
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MAX GATE WEIGHT	2000 LBS.
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MAX GATE LENGTH	45 FEET
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MAX OPERATING SPEED	12" PER SECOND
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BATTERY BACKUP OPERATION	100 FULL CYCLES (1000 LBS. / 20' GATE)
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MAX DUTY CYCLE	100% (CONTINUOUS CYCLES)
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OPERATING TEMPERATURE	-4°F TO +158°F
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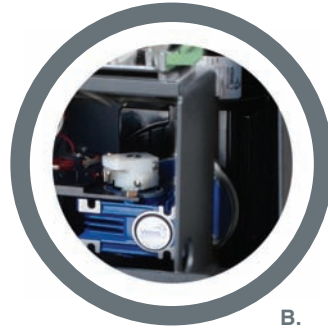
A. EFFICIENT BATTERY BACKUP SYSTEM

One of the distinguishing features of the H-10™ operator is the extremely efficient battery back-up system using only two, 12 volts, 7AHr batteries. Despite the small battery profile, this built-in system is capable of 50 or more cycles of operation in the event of power failure.



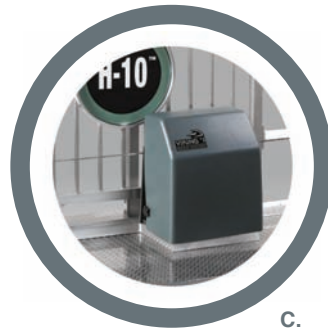
B. HIGH OUTPUT MOTOR AND GEAR HEAD

The motor / gear head combination provides more than enough torque to efficiently move gates up to 2000 pounds using the unique combination of a DC motor and the efficiency of helical gears.

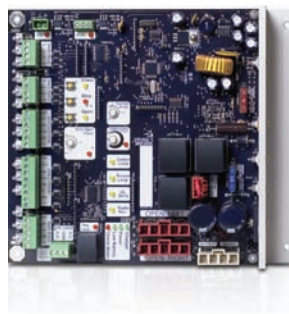


C. CONTINUOUS CYCLE OPERATION

Adding to the efficiency of the H-10™ is its ability to open and close gates with continuous operation. The ability to work at 100% duty cycle excels the H-10™ over other gate operators of equivalent horse power.



This gate operator uses the fast multitasking
GATOR Logic Board



MANUFACTURED WITH QUALITY COMPONENTS AND ADVANCED FEATURES

built-in lightning protection • 120 / 220 VAC single phase power source • back-driveable unit features direct drive mechanism • easy access to limit switch • 2000 lbs. capacity 100 cycles in case of power failure • soft-start, soft-stop with adaptive learn algorithm easily accessed switch for manual operation • innovative fine tune adjustment for the end of gate travel (down to 1/8")

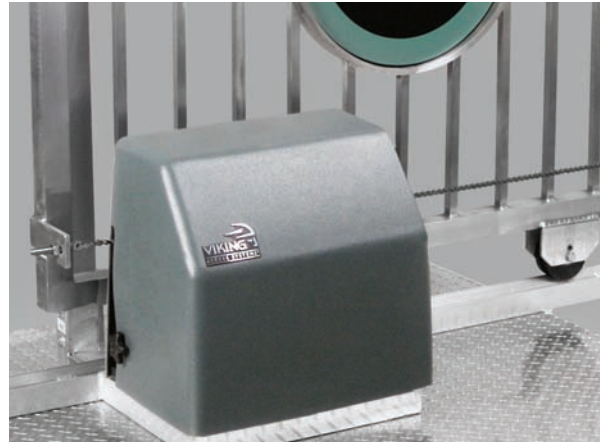
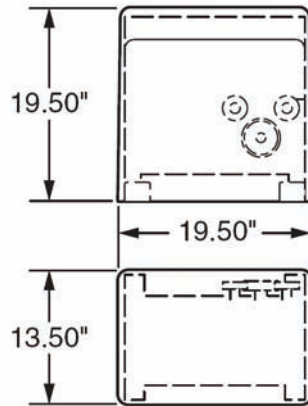




RESIDENTIAL
SLIDE GATE OPERATOR

CLASS I, CLASS III, AND CLASS IV VEHICULAR GATE OPERATOR

The K-2™ slide gate operator raises the bar in quality for the residential market. This machine operates a highly efficient direct motor drive which allows operation at 100% duty cycle. This assures efficiency and reliability. The fail-safe, fail-secure options of the K-2™ gate operator allows it to handle gates up to 650 lbs. in conformance with UL 325 and UL 991 Type I, III and IV.



DESIGN FEATURES AND MANUFACTURED SPECIFICATIONS

Some of the standard features include: 5 year warranty, UL 325 and 991 listing, an innovative fine tune adjustment for the end of gate travel (down to 1/8"), back drivable unit to help compliance with fire department authorities, soft-start and soft-stop with adaptive learn algorithm, easy accessed switch for manual operation, 120/220 VAC single phase power source, a built in three push button station, a built in battery backup capable of 100 cycles in case of power failure, on-board lightning protection, and easy access to limit switches.

5 YEAR RESIDENTIAL WARRANTY

OPERATIONAL SPECIFICATIONS

OPERATION	24 VDC WITH 1/2 H.P. MOTOR
MAIN POWER SOURCE	110 / 220 VAC SINGLE PHASE
BATTERY	7 AMP HR 12 VDC X 2
MAX GATE WEIGHT	650 LBS.
MAX GATE LENGTH	27 FEET
MAX OPERATING SPEED	12" PER SECOND
BATTERY BACKUP OPERATION	100 FULL CYCLES (650 LBS. / 20' GATE)
MAX DUTY CYCLE	100% (CONTINUOUS CYCLES)
OPERATING TEMPERATURE	-4°F TO +158°F

A. SIMPLE, COMPACT AND POWERFUL

The K-2™ offers a simple solution to move gates up to 650 lbs in weight. This operator is constructed with a DC motor, an efficient gear-head, and a heavy duty power supply. The efficient components and electronics used are all designed to function in the compact design of the K-2™ once again showcasing the innovation of Viking's technology.

B. CORROSION PROTECTION

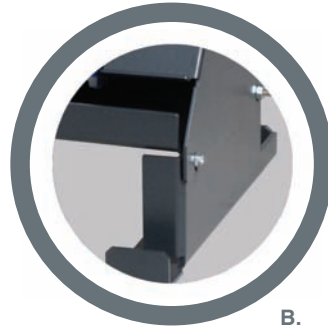
The aluminum chassis on the K-2™ offers peace of mind in very humid environments. This chassis and the hardware on the K-2™ have been designed to prevent corrosion even under extreme environments.

C. ON-BOARD LIGHTNING PROTECTION

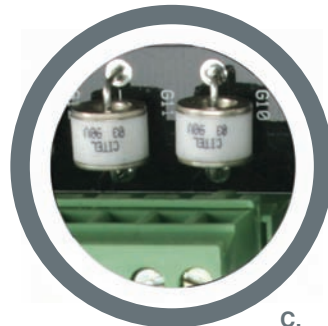
The GATOR™ control board in Viking gate operators offers extended protection against lightning strikes. It provides protection not only in the AC line circuitry but in every remote sensor input that can potentially be affected by a lightning strike.



A.



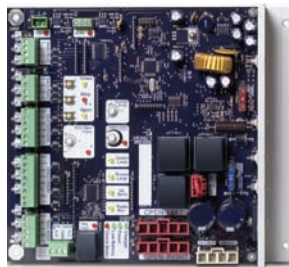
B.



C.

This gate operator uses the fast multitasking

GATOR Logic Board



MANUFACTURED WITH QUALITY COMPONENTS AND ADVANCED FEATURES

innovative fine tune adjustment for the end of gate travel (down to 1/8") • switch to allow manual operation • easy access to limit switch • 100 cycles in case of power failure back-driveable to help compliance with fire department authorities • 120 / 220 VAC single phase power • on-board lightening protection • soft-start, soft-stop algorithm

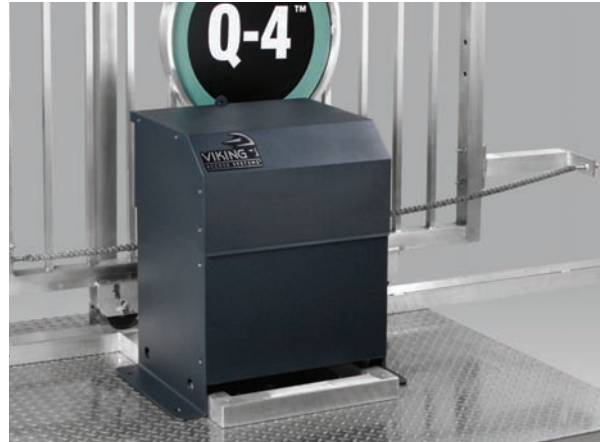
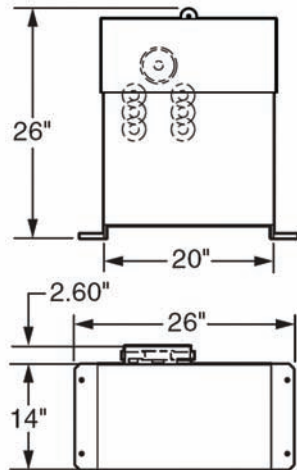




RESIDENTIAL AND COMMERCIAL
SLIDE GATE OPERATOR

CLASS II, CLASS III, AND CLASS IV VEHICULAR GATE OPERATOR

The Q-4™ incorporates a powerful and efficient DC motor, a high ampacity power supply, an integrated battery back-up system and intelligent controller. The incorporation of these features results in outstanding performance on heavy duty slide gates. The advanced motor control circuit driving the motor guarantees long life. The Q-4™ brings the advantages of DC gate operators into heavy duty applications.



DESIGN FEATURES AND MANUFACTURED SPECIFICATIONS

Some of the standard features include: 5 year commercial warranty, UL 325 and 991 listing, innovative fine tune adjustment for the end of gate travel (down to 1/8"), adaptive algorithm with smooth acceleration and deceleration, more than 1/2 kilowatt of power, built in battery backup capable of 100 cycles in case of power failure, a powerful and efficient gear head motor, fail-safe / fail-secure electromechanical lock, and adjustable height for the main drive.

5 YEAR RESIDENTIAL AND COMMERCIAL WARRANTY

OPERATIONAL SPECIFICATIONS

OPERATION	24 VDC 2 HP MOTOR
MAIN POWER SOURCE	120 / 220 VAC SINGLE PHASE
BATTERY (OPTIONAL)	33 TO 100 AMP HR 12 VDC X 2
MAX GATE WEIGHT	4000 LBS.
MAX GATE LENGTH	60 FEET
MAX OPERATING SPEED	UP TO 16" PER SECOND
BATTERY BACKUP OPERATION	100 FULL CYCLES (2000 LBS. / 40' GATE)
MAX DUTY CYCLE	100% (CONTINUOUS CYCLES)
OPERATING TEMPERATURE	-4°F TO +158°F

A. POWERFUL SLIDE GATE OPERATION

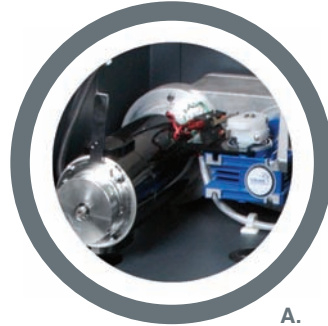
The powerful 2hp single gear head motor on the Viking Q4™ operator is ideal heavy slide gate applications. The enhanced, smooth operation of the Q-4™ is accomplished by a powerful DC motor coupled with a unique, completely concealed gear mechanism.

B. BATTERY BACKUP SYSTEM

The Q-4™ heavy duty battery back-up uses a DC motor, which has an inherently low power requirement and an exceptionally efficient gear-head unit. This combination allows the battery back-up system on this operator to provide up to 50 cycles of operation in the event of a power failure.

C. A HIGH SECURITY SOLUTION

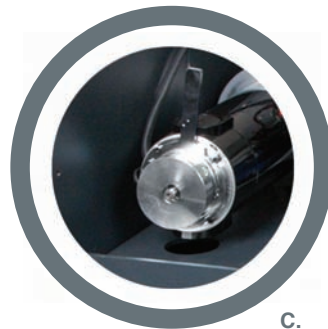
This rugged gate operator provides an additional level of security for gated facilities requiring higher security such as airports and secure industrial facilities. The Q-4™ uses an electromagnetic lock interconnected to the main motor drive that is capable of preventing any motion of the gate whatsoever when the system is operating in Fail-Secure Mode.



A.



B.



C.

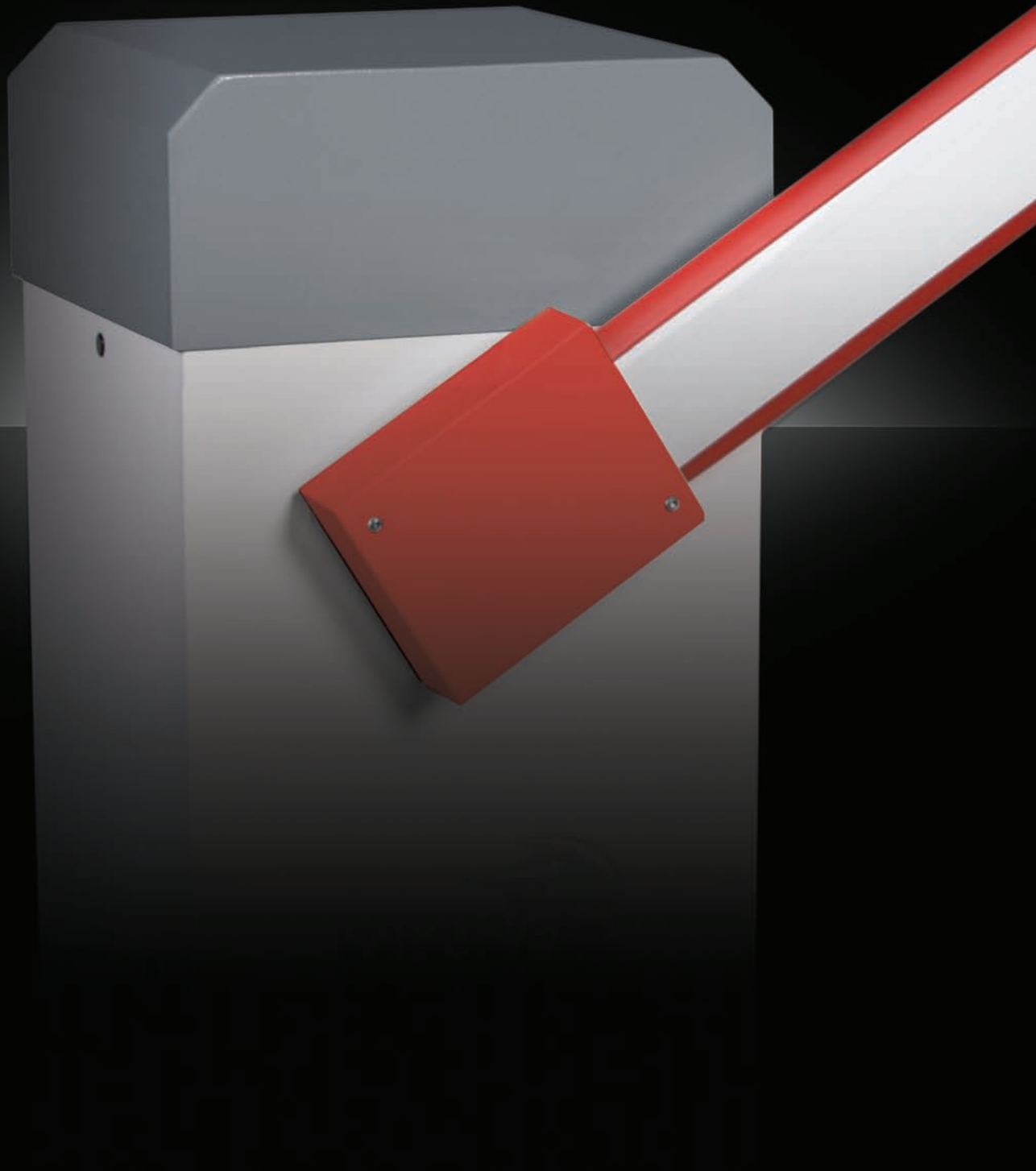
MANUFACTURED WITH QUALITY COMPONENTS AND ADVANCED FEATURES

fail safe-fail-secure electromechanical lock • adaptive algorithm with smooth acceleration and deceleration • adjustable-height for the main drive • standard back-up battery • more than 1/2 kilowatt of power • innovative fine tune adjustment for the end of gate travel (down to 1/8") • powerful and efficient gear head motor • 100% duty cycles • 100 cycles in case of power failure



BARRIER GATE OPERATORS

high traffic security



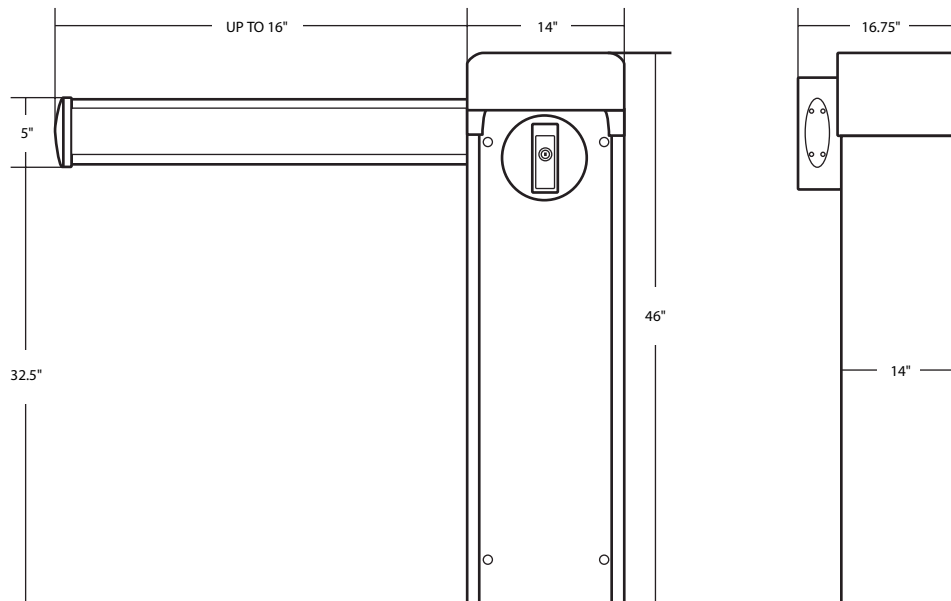


HIGH TRAFFIC

BARRIER GATE OPERATOR

CLASS I, CLASS II, CLASS III, AND CLASS IV VEHICULAR GATE OPERATOR

The B-12 barrier gate operator completes the line of gate operator that Viking offers industry. The B-12 operates the barrier arm very efficiently. It's innovation in design and operation providing a true battery backup using batteries integrated directly in the system. It can handle arms up to 16 feet long with operating speed of up to 2 seconds per opening.



DESIGN FEATURES AND MANUFACTURED SPECIFICATIONS

Some of the standard features include: 3 year residential and 2 year commercial warranty. The Innovative motion control smooths the opening and closing cycle. Release mechanism frees the barrier for the operator for manual operation. Soft start and soft Stop with adaptive learning algorithm enables a visual experience. Versatile power source 120/220 VAC single phase power source. Three push button station for local control. Built in battery backup and on-board lightning protection and wireless communication capability.

3 YEAR RESIDENTIAL AND 2 YEAR COMMERCIAL WARRANTY

OPERATIONAL SPECIFICATIONS

OPERATION	24 VDC WITH 1/2 H.P. MOTOR
MAIN POWER SOURCE	120 / 220 VAC SINGLE PHASE
BATTERY	7 AMP HR 12 VDC X 2
MAX BARRIER ARM LENGTH	16 FEET
MAX OPERATING SPEED	2 TO 3 SECONDS PER OPENING
BATTERY BACKUP OPERATION	1000 + CYCLES OF OPERATION
MAX DUTY CYCLE	80%
OPERATING TEMPERATURE	-4°F TO +158°F

MANUFACTURED WITH QUALITY COMPONENTS AND ADVANCED FEATURES

110VAC and 220VAC option with Viking protection • galvanized steel and powder coated cabinet with room for accessories • easy limit switch adjustment • standard back-up battery positive stop • single package gearhead motor • new spring design for safety and long life



VIKINGBLUE COMMUNICATION

wireless operation using
bluetooth® technology



Imagine a gate operator that not only speaks to you but also listens and executes your verbal commands. Imagine installation with no more communication wires or trenching. Or that is no longer necessary to remove the operator's cover when troubleshooting because it can be done at a convenient location in the vicinity. Imagine that troubleshooting is possible by an authorized technician anywhere in the world.

... now imagine all the possibilities of the new Viking Blue

The Viking Blue system can provide you with your gate operator information on Main Power Voltage, Battery Voltage, Motor Current, Hold Open Timer, Fine Tune Control and Obstruction sensor. It can also provide indication of the status of Loop Detectors, Radio Receivers and Control Buttons. The Viking Blue now makes Master-Slave communication wireless.

All features can be accessed via a Bluetooth enabled PC computer or laptop. Use a graphic interface to facilitate troubleshooting and take advantage of all the feature of the Viking Blue system.



Your smart device provides a wireless channel of communication to a remote workstation that can transmit and receive all commands of the gate operator and its parameters, facilitating troubleshooting via remote access.

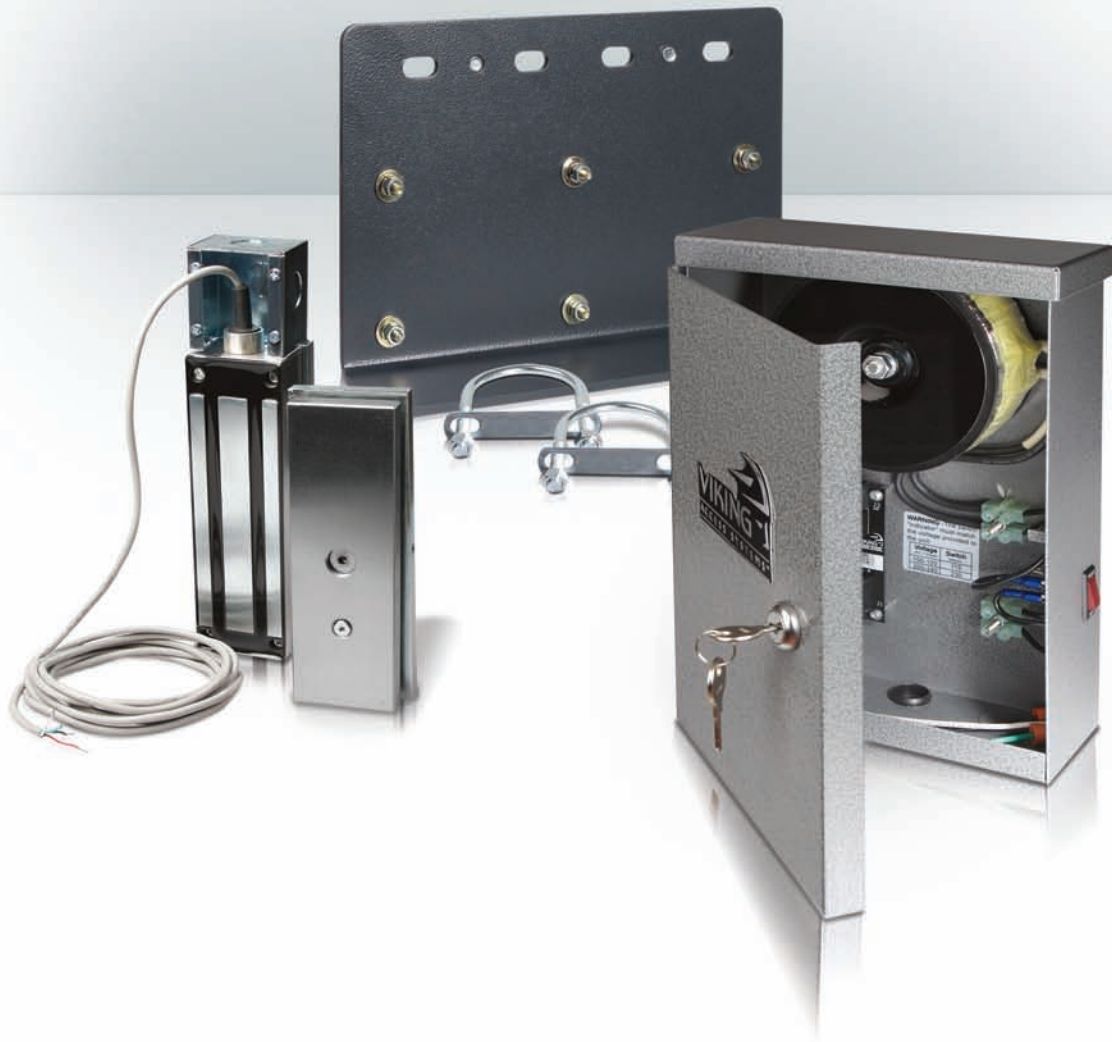
GATE OPERATOR TECHNOLOGY VIKING BLUE

The Viking Blue device uses a class I Bluetooth technology capable device to transmit and receive commands up to 100 meters. It is compatible with any Bluetooth device with Windows software. Any smart phone with Windows CE can become your voltmeter, amp meter, and remote control device. The smart phone becomes your medium of communication or interface. Verbally command and receive audible feedback on the status of your Viking gate operator or receive graphical feedback directly to the screen of the smart device.

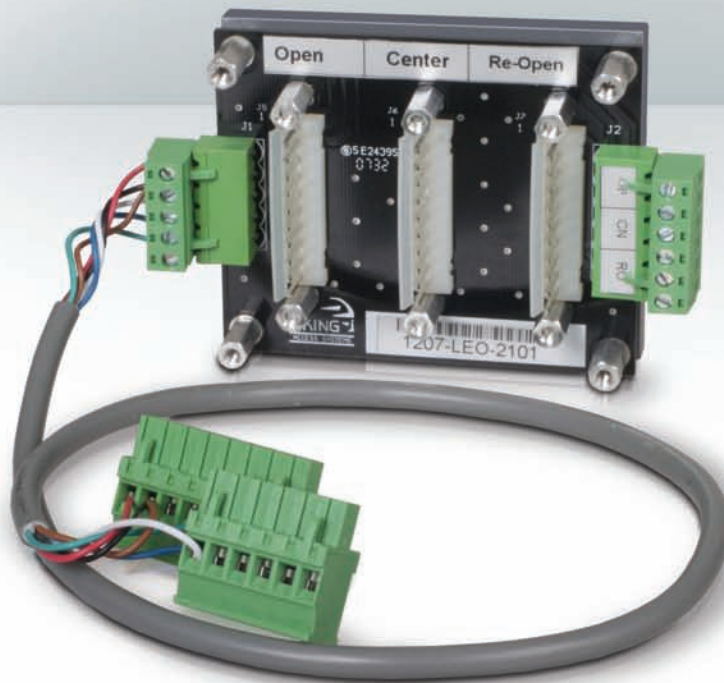
OPERATOR ACCESSORIES

and gate hardware





LOOP RACK • MAGNETIC LOCK SYSTEM GEAR HEAD HEATER
POWER BOX • SOLAR PANEL • PIPE STANDS



GATE OPERATOR ACCESSORIES

LOOP RACK

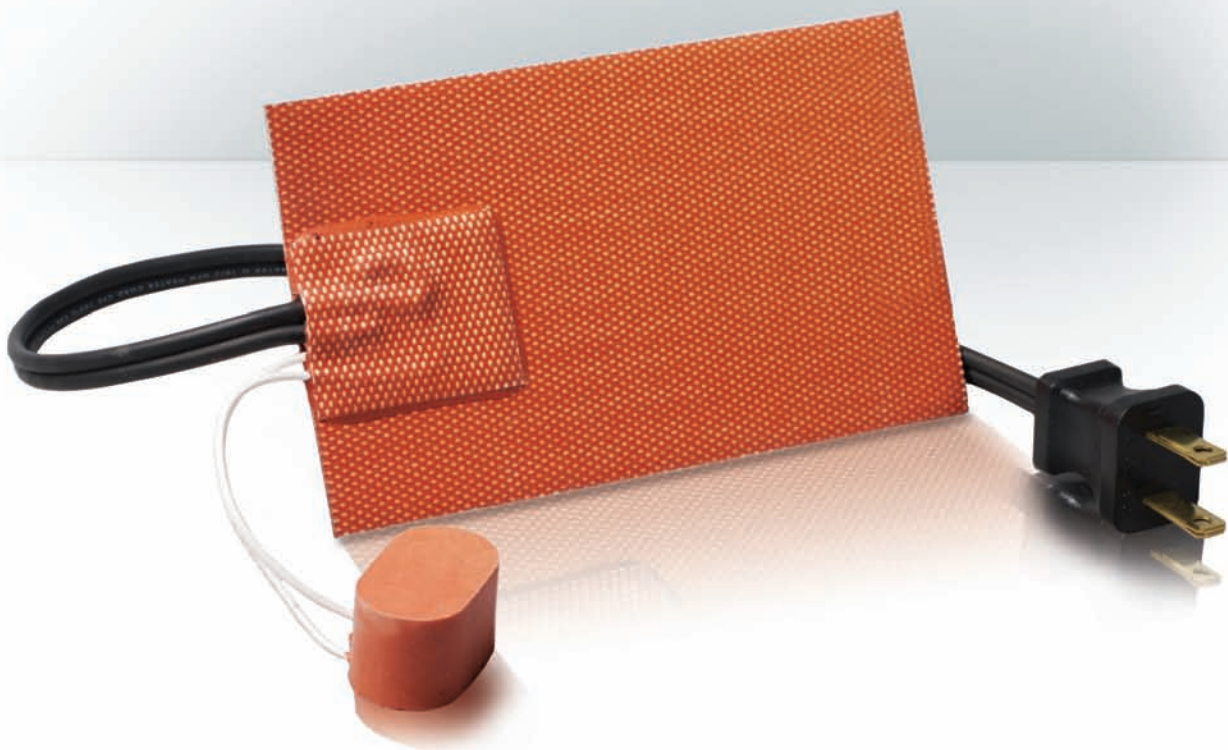
The Viking Loop Rack adds added value to a Viking Gate Operator Installation by interfacing with up to three plug-in loop detectors and eliminating extra wiring or bulky normal size loop detectors. Troubleshooting and installation are simple, using only two connectors to have a complete installation with three loop detectors.



GATE OPERATOR ACCESSORIES

MAGNETIC LOCK SYSTEM

Viking Magnetic Lock provides the versatility to have added security in access control applications by operating at 12 VDC and 24 VDC. The holding force of 1300 LBS ensures the holding retention of the locking action when the electromagnet is energized. The special material used in the armature plate prevents excessive magnetic memory ensuring the prompt release of the locking action.



GATE OPERATOR ACCESSORIES **GEAR HEAD HEATER**

Viking Gate Operators can operate in climates as low as -4F. However, when a Viking Gate Operator is required to operate in temperatures below 0F we recommend the use of a Viking Heater. The heater is a self adhesive blanket (with a thermostat integrated) that wraps around the motor-gear-head ensuring the proper viscosity on the lubricant inside the gear-head and ensuring the optimum gate operator operation.



GATE OPERATOR ACCESSORIES

POWER BOX

The Viking Power Box offers a solution where the Viking Gate Operator is not near electricity (120 VAC or 220 VAC). The Viking Power Box provides means to run low voltage wires as power supply Instead of trenching, piping and running wires from far distances to the Viking Gate Operator to provide the high voltage. It also eliminates the need to get an approval from the city or regulatory agencies (in some cities) since it only runs low voltage. The Viking Power Box ensures continuous operation of the Viking Gate Operator allowing the 100% duty cycle of operation.



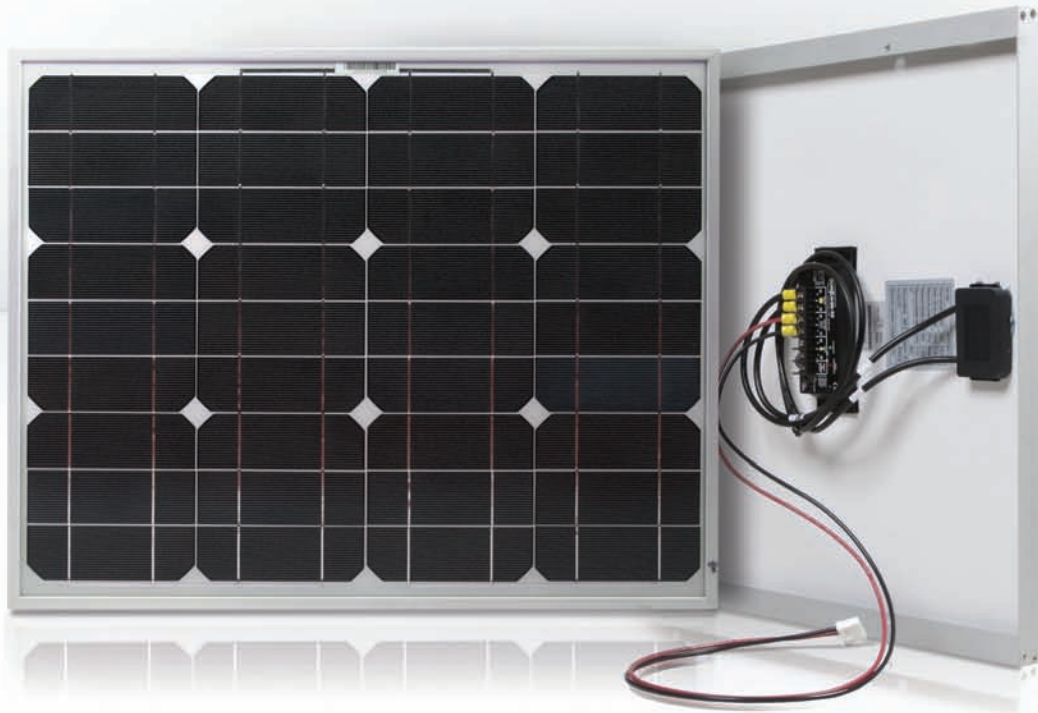
GATE OPERATOR ACCESSORIES

PIPE STANDS

PIPE STANDS FOR THE F-1, L-3, AND X-9

It is the philosophy of Viking Access Systems to listen to the needs of the access control industry. In response, a line of pipe stands for easy installation of select Viking gate operators has been developed. These stands provide the convenience and flexibility required by the installer when concrete pads or other mounting methods are not possible. The Viking pipe stands provide a simple, convenient solution.





GATE OPERATOR ACCESSORIES

SOLAR PANEL

Viking Access Systems carries solar panels with high solar cell efficiency and outstanding energy output in low light conditions. The nominal voltage for the solar output is rated at 12VDC. The use of two solar panels (Solar Panels connected in series) is required for a 24VDC solar system such as Viking Gate Operators. Consult with Viking and we will advise about the number of cycles, the accessories recommended and the number of days of operation in case of cloudy days based on the installation location.



Viking Access Systems
631 Wald, Irvine CA 92618
800 908 0884