Model GLA24V

Linear Actuator Swing Gate Operator Specifications

Section 32 31 11

Vehicular Swing Gate Operators

PART 1 – GENERAL

1.01 WORK INCLUDED

A. Provide electric vehicular gate operator(s) of size and capacity recommended for gate(s) as provided by manufacturer with electric motor and factory pre-wired motor controls, gear reduction, control devices, safety devices, and accessories required for proper operation.

1.02 RELATED WORK

A. Section 03 – Concrete
B. Section 05 – Metal Work
C. Section 26 – Electrical
D. Section 28 – Electronic Safety and Security
E. Section 31 – Earthwork
F. Section 32 – Exterior Improvements

1.03 QUALITY ASSURANCE

A. In accordance with accepted quality assurance guidelines for motor-operated vehicular gate operators as provided by The Genie Company.
B. Installation shall be performed by a certified contractor specifically trained in vehicular gate operator installation.

1.04 DELIVERY, STORAGE, AND HANDLING

A. Store products in manufacturer's unopened packaging until ready for installation.
B. Protect materials from exposure to rain, snow, ice and hail. Do not deliver until after wet work is complete and dry.
C. Store materials in a dry, warm, ventilated weathertight location.

1.05 PROJECT CONDITIONS

A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside the manufacturer's absolute limits.

1.06 WARRANTY

A. 2-year limited warranty on motor and parts.

PART 2 - PRODUCT

2.01 MANUFACTURERS

A. Products as provided by The Genie Company.
B. Substitutions: Not permitted.
C. Requests for substitutions will be considered in accordance with provisions of Section 01600.

2.02 LINEAR ACTUATOR SWING GATE OPERATOR

A. Vehicular Swing Gate Operator, Model GLA24V:
   a. Linear actuator style swing gate operator.
   b. Compliance: UL Listed, Class I, II, and III. Compliant with UL 325 UL991 and CSA C22.2 No. 247.
   c. Maximum gate ratings allowed gate weight vs gate length: 550lbs at 16ft, 650lbs @ 14ft, 750lbs @ 12ft, and 850lbs @ 10ft or less.
   d. Electrical power: 115VAC field switchable to 230VAC, or optional 24V solar panel (20W) (50W) (90W)
   e. Accessory outlet: one 115VAC outlet.
   f. Power switches: One AC toggle switch and one DC toggle switch.
   g. Battery backup: built-in.
   h. Reset switch: NEMA 4 reset switch on exterior of control enclosure for UL 325 alarm reset.
   i. Motor: 24VDC, 50% duty cycle.
   j. Motor speed: adjustable acceleration, deceleration, max speed, slowdown speed, and slowdown distance.
   k. Worm gear primary reduction.
   l. Limit switches: adjustable sealed magnetic switches.
   m. Linear arm enclosure: aluminum housing.
   n. Telescopic arm: stainless steel.
   o. Mounting type: from gate to hinge post.
   p. Mounting position: right- or left - hand mount.
   q. Operation type: pull to open.
   r. Opening/closing speed: 90° in 15 – 18 seconds.
   s. Manual release: keyed release lever.

B. Control System: Microprocessor based logic board with a separate motor drive board. System incorporates a dual line backlit 8-character Liquid Crystal Display (LCD) to display system status and for setup. System shall include the following:
   a. Control action will be constant contact until the minimum required number of entrapment devices are installed.
   b. Adjustable motor speeds via LCD.
   c. On board open, close, and stop control keys for local operation and setup.
   d. On board timer to close.
   e. On board seven-day timer with ability to set multiple opening and closing events as well as relay output actions.
   f. Built-in Intellicode® 315/390Mhz frequency cycling radio receiver capable of storing 250 single button and/or 250 Open-Close-Stop transmitters with the ability to add and/or delete transmitters individually, identify and store activating transmitter IDs.
   g. Four monitored entrapment inputs; a pulsed or 10k ohm monitored photo eye and/or 10k ohm edge in the close direction and a pulsed or 10k ohm photo eye and/or 10k ohm edge in the open direction.
   h. AladdinConnect® ready (with optional Wi-Fi board)
   i. Activating inputs; open, close, stop, 1-button, fire department, exit loop.
   j. Loop inputs; exit, shadow, reversing.
   k. Control includes connections for secondary arm in dual gate applications.
   l. Wired primary/secondary control synchronization for two control panel each with one arm installation.)Optional wireless primary/secondary).
   m. Adjustable bi-parting delay via LCD
   n. 800mA combined constant on and switched 24VDC outputs
   o. Anti-tailgating with quick close capability

C. Accessories
   a. Photo eyes: monitored pulse or 10k ohm type photo eyes.
   b. Edges: monitored 10k ohm type sensing edges.
   c. Handheld programming pendant with multi-line backlit LCD display and 6 ft cable.
   d. Pluggable loop detectors.
   e. Loop rack for pluggable 10-pin loop detectors.
   f. Traffic signal: red/green type.
   g. Solar panel kits.
   h. 33 Ah batteries.
   i. External radio receivers.
   j. 315/390Mhz Intellicode® transmitters
   k. Exterior NEMA 4 push button and key switch stations.
   l. Interior NEMA 1 push button and key switch stations.
   m. Signaling lights.
   n. Horn/strobe in weatherproof gang box.
   o. Operation type: optional push to open with accessory bracket.

PART 3 - EXECUTION

3.01 The Model GLA24V shall be installed in accordance with The Genie Company instructions and standards. Installation will be by trained and authorized Genie Company distributors or dealers.

Model GLA24V

Linear Actuator Vehicular Gate Operator Specifications

SALES INFORMATION

Job Name:

Architect:

Contractor:

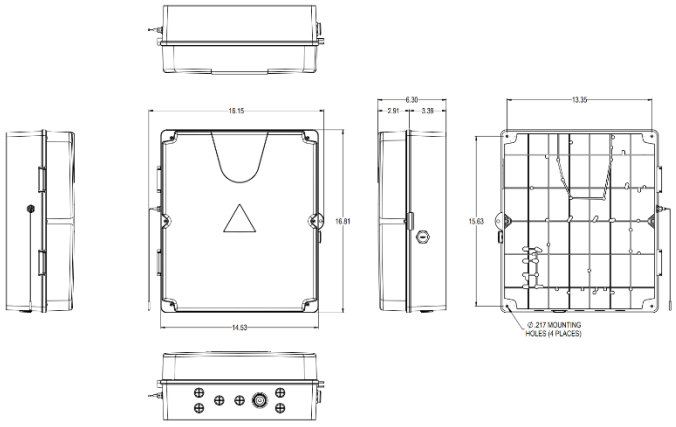
APPLICATION INFORMATION

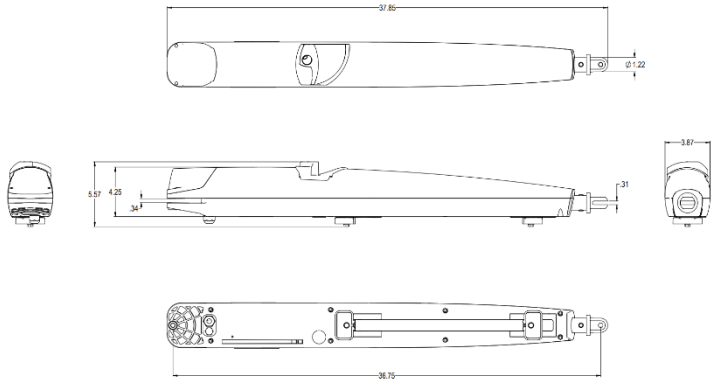
Gate Type: | **Gate Size - Width:** | **Gate Weight:** | **Drive Side:**

Single or Dual Gate: | **Electrical Power:** | **Solar:**

Monitored Entrapment Devices:

DIMENSIONS





Dealer Imprint Area