



VERTICAL PIVOT GATE SYSTEM

MODEL VPG2490

SPECIFICATIONS

General Information

UL 325 7th Ed. Listed & CAN/CSA C22.2 No. 247-14 Listed Rated for Continuous Duty Cycling
Power Supply Options: 120VAC—Single Phase, 20 Amp Service. 240VAC—Single Phase, 10 Amp Service. Solar.
Batteries & Charging System: Built-in Battery Backup. Two 12v Batteries Required (Field Supplied). Recommended Batteries: Group 24, Sealed Marine Starting
Gate Position/Limit Sensor: Combined Type “A” Entrapment protection. Open through Close Limit Position.
Open/Closing Speed: 8-10 seconds Std. Oversized gate speed of 12-15.
Shipping Weight: Typical VPG2490 Operator with 6’ high x 20’ long picket style gate = 1,500 - 1,800 lbs.
Warranty: Residential (5 years), Industrial/Commercial (3 years) from date of shipment on manufactured components workmanship. Purchased components and accessories are covered under their respective warranties. (See full warranty for details)
Optional Accessories: Solar Panels, Gear Motor Heater, Extreme Cold Package, MUTCD Reflective Tape, LED Warning lights, Audible Devices, and Emergency Access Systems (SOS, Opticom, Click to Enter, Key Box/Switch, etc.)

Motor & Drive System

RAD (Right Angle Drive): 1/2 HP, Gear Type, Right Angle Locking Worm Drive. (Type in Lube info here). Equipped with disengage lever for Manual Operation.
Dual Belt/High torque reduction system, Counter Balanced, Safety Locking pin (used for transport, maintenance to negate movement of gate panel).

Operator

Construction: Frame - 2” Sq., 11 Ga. (.120). Mounting pads—304 SS. Skins - 18 Ga. Galvanneal.
Gate Mounting Hardware: 304 Stainless Steel
Operator size: 68” Length, 53” Height, 30” Width
Paint: Standard Color - Black, powder coated. Spray applied colors are PPG Commercial Coating 2-part High Solids Polyurethane. Standard Spray Colors: White, Brown, Green, and Gray. Custom colors available.

Genesis™ Control Board

Solid State coated programmable control board in an electrical enclosure (Tested to -40° F).
Security Breach Protection: Built in 24V brake when A/C or battery is present. Optional internal locking Solenoid mechanism.
Monitored Inputs: Open - 2 inputs with an additional programmable. Close - 2 inputs with an additional programmable.
Programmable Inputs, Outputs, & Relays: The board has 2 programmable inputs, 2 programmable outputs, and 2 built in relays for configuration and integration.
Control Wiring: 16 & 18 Ga. Single conductor. Copper with electronic compression terminals tin-plated for max corrosion prevention.
Dual Gate Operation: Programing allows for dual gate operation and Sally-Port configuration.
Delayed Closing: Programmable from 0 - 90 seconds.
Preemptive outputs: 1 - 5 seconds before gate moves.

Gate Construction

Gate Construction: 10’ - 20’ - 2” Sq., 11 Ga. (.120) Steel Tubing. Over 20’ - 2 1/2” Sq., 7 Ga. (.187) Aluminum Tubing.
Gate Lengths: 10’ - 25’ (Consult factor for over 25’) Gate Heights: 4’ - 8’ from pad grade. Consult factory for gates over 8’ high as they require special crating and freight arrangements.
Picket Construction: Steel— 3/4” Sq. 18 Ga. Galvanized Tubing is standard. Aluminum—3/4” Sq. 1/8” wall is standard. Note: Contact factory for special sizes, spacing, and custom materials.
Chain Link Construction: 2 3/8” Sch. 40, 20 & 2” x .065” Galv. Steel Tubing 9 Ga. Galv. Fabric (12’ up to 22’). 2 3/8” Sch. 80, 40 & 2” x 1/8” 6061 Alum. Tubing 9 Ga. Alum Fabric (over 22’ to 25’).
Wind Bracing: Cable -75 mph design, 1/4” coated aircraft cable (16’ 20’ gates). Rigid Masted - Gates over 20’ or certain heights and materials. Compliant with IBC Section 1609.6 Simplified Wind Load Method for 90 mph wind loading and the 150 mph hurricane wind loading.
Paint: Spray applied colors are PPG Commercial Coating 2-part High Solids Polyurethane. Standard Spray Colors: Black, White, Brown, Green, and Gray. Custom colors available. Powder coating available: Max length of 25’ and max height of 7’.