



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, 20 Amp Service. Solar. **Note:** Extreme cold heat package requires an additional 15 Amp Service.

Batteries & Charging System: Built-in Battery Backup. Two 12v Batteries Required (Field Supplied). Recommended Batteries: Group 24, Sealed Marine Starting.

Gate Limit/Position Sensor (LPS): Combined Type "A" Entrapment protection. Open and Close Limit Position.

Open/Closing Speed: 8-10 seconds Std. Oversized (heavy Duty) 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.)

Transport Maintenance Pin (T/M): used for transport, maintenance to negate movement of gate panel).

Motor & Drive System

RAD (Right Angle Drive): 1/2 HP, Gear Type, Right Angle Locking Worm Drive. Equipped with disengage lever for Manual Operation.

Multi Belt/High torque dual reduction system, Counter Balanced for smooth operation.

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 Operator: **Black**, powder coated. Spray applied colors are Commercial Coating 2-part High Solids Polyurethane. **Standard Spray Color: Black.** Custom colors include: White, Brown, Green, Gray. Consult factory for Specialty colors.

Genesis™ Control Board

Solid State coated programmable control board in an NEMA 4 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, Close - 2 inputs with an (2) additional programmable inputs for Open or Close.

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: Programming allows for dual gate operation and Sally-Port configuration.

Delayed Closing: Programmable from 0 - 90 seconds.

Preemptive Signal 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 are calculated for the "closed" position. Do not leave gates locked open in extreme wind conditions.

Paint: Spray applied colors are Commercial Coating 2-part High Solids Polyurethane. **Standard Spray Color: Black.** Custom colors include: White, Brown, Green, and Gray. Consult Factory for Specialty colors. **Powder coating available:** Max length of 22' and max height of 7'.

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