



# 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 Limit/Position Sensor (LPS):** Combined Type “A” Entrapment protection. Open and Close Limit Position.

**Open/Closing Speed:** 10-12 seconds Std. Oversized gate speed of 14-16.

**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. Equipped with disengage lever for Manual Operation.

Dual Belt/High torque reduction system, Counter Balanced, Transport Maintenance pin (T/M) 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. Galvaneal.

**Gate Mounting Hardware:** 304 Stainless Steel

**Operator size:** 68” Length, 53” Height, 30” Width

**Paint:** Standard Color - Black, powder coated. Spray applied colors are 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 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:** 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 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’.