



# Product Specifications

## The Shield<sup>®</sup>

Engineered to DOS K-4

Model: VPL-CB-24-K4 Full Size Security Gate

**RATING:**

Engineered to meet DOS K-4 Standards utilizing F.E.A. (Finite Element Analysis) simulation and testing. Stops a 15,000 lb. vehicle traveling 30 mph.

**OPERATOR:**

Dual belt/high torque reduction system. Counter balanced. Safety locking pins used during preventative maintenance to negate vertical and horizontal movement.

**OPERATOR CONSTRUCTION:**

**Frame:** 2" Sq., 11 Ga. (.120) Steel  
**Skins:** 18 Ga. Galvaneal Sheet

**OPERATOR SIZE:**

**Type:** VPL-CB-24      **Length:** 68"      **Height:** 51"      **Width:** 36"

**PAINT:**

Sherwin-Williams Polane<sup>®</sup> polyurethane enamel. Standard colors: Black, White, Brown, Green & Gray. Custom colors available.

**DUTY CYCLE:**

Continuous.

**POWER SUPPLY:**

120V-3 Amp with 24v DC battery back up. (2) 12v sealed batteries required, **NOT** included.

**POWER MAINTENANCE:**

24v built-in battery maintainer keeps batteries charged for built-in battery back-up. "Over-Charge" protection built-in.

**CONTROL CIRCUITRY:**

Solid state coated control board in NEMA 4x weatherproof electrical enclosure. Sealed proximity switches ensure weather and moisture-proof integrity. (Boards tested to -40° F).

**CONTROL WIRING:**

16 & 18 Ga. single conductor. Copper w/electrolytic copper compression terminals tin-plated for maximum corrosion prevention.

**GEAR MOTOR:**

**Horse Power:** 1/3      **Gear Type:** Hardened steel  
**Bearing Type:** Ball      **Gear Lube:** Dextron II E ATF (Rated to -70° F)

**OPEN / CLOSING CYCLES:**

12 – 14 seconds.

**DELAYED CLOSING:**

Adjustable from 0 – 60 seconds.

**OBSTRUCTION SENSOR:**

Adjustable IRD senses obstructions opening or closing.

**SECURITY BREACH PROTECTION:**

24v built-in system brake when 120v or battery power is present.

**REVERSING EQUIPMENT:**

Optional Reversing/Safety Loop, Leading Reversing Edge, and Infrared Reversing Beams.

**OPTIONAL ACCESSORIES:**

Access controls, solar power, power plug for generator, operator heater, siren or optical operated sensors.

**ORNAMENTAL GATE CONSTRUCTION:**

Aluminum tubing with high strength synthetic ropes contained in aluminum housing.  
2" Sq., 11 Ga. (.120) Aluminum Tubing

**PICKET CONSTRUCTION:**

3/4" sq. Aluminum Tubing, 1/8" Wall

**CHAIN LINK CONSTRUCTION:**

2-3/8", Sch. 20 Tubing      9 Ga. Aluminum Fabric

**GATE LENGTHS:**

**Full size gate:** Clear opening to 17'      **Barrier Arm only (no gate):** Clear opening to 20'

**GATE HEIGHTS:**

5' – 9' from pad grade. Gates over 8' will require special crating & freight arrangements.

**GATE HARDWARE:**

Gate mounting hardware is 304 stainless steel.

**FOUNDATION:**

Deep foundation design with heavy duty 8" tubular steel bolsters. Bolster wt. = 1500 lbs./ea

**SHIPPING WEIGHT:**

Typical VPL-CB-24 Operator with 6' high x 15' long Buckeye style gate = 1700 lbs.

**WARRANTY:**

Three (3) years from date of shipment on manufactured components and workmanship. Purchased components and accessories are covered under their respective warranties. (See full Warranty for details).