

# Specifications

## ELECTRICAL SPECIFICATIONS

**Modular Board** – Uses LEDs to indicate all input and output functions of the gate operator.

**ERD** – If the gate hits a vehicle while closing, it re-opens. If it hits a vehicle while opening, it stops, reverses 4 to 6 inches and stops again.

**Digital Motor Protection** – Entrapment sensor shuts off the motor after it reaches the stall amp for 3 seconds, reverses direction for several inches, and stops.

**Electronic Inputs** – Radio receiver, key switch, safety loop, center loop, telephone entry system, computer input, fire dept. key switch and 3-push-button station.

**Timer** – Adjustable timer can be set from 0 to 60 seconds.

**Power Input On/Off Switch** – Controls power input to the board with convenient switch.

**Power Management** – Board includes electronic power management with over current shutdown and automatic recovery.

**Magnetic Lock** – With Omni Option board, magnetic lock system is incorporated, allowing you to easily add the "MG1300" electromagnetic locking system to the gate.

**Burglar Alarm** – With Omni Option board, interfaces with existing home alarm or alarm output.

**3 Push Button Control** – On board gate operator control for close, stop, and open.

**Intelligent Master/Slave** – Precise, synchronized movement and communication between two gate operators using 3 wire RS-485 bi-directional technology.

**Spike Suppressors** – Fast response time (50 nanoseconds) when subject to an impulse surge (lightning strike) up to 100 amps.

**Alternate Outputs** – With Omni Option Board 3 push button command control, burglar alarm input and output.

**Gate Traveling Time** – Adjusted by a precision mechanical device and electrical limit switch system.

**Soft Stop** – Gate travels through the cycle at normal speed and comes to a stop slowly for more accurate gate cycle. Equipped with integrated time delay for long mechanical life expectancy.

**Integrated Loop Detectors** – Easy to install, modular, plug in loop detector inputs for exit loop, center loop, and safety loop.

**120 VAC Power** – Built-in 120 VAC power receptacle (NEMA 5-15).

**Motor Drive** – Solid-State electronic motor drive system is incorporated into board.

**Alarm** – If the gate hits an object twice while opening or closing, the system will shut down and alarm will sound for five minutes. After five minutes the system will automatically reset itself. To reset the system during the five minutes, a manual reset button must be used.

## MECHANICAL SPECIFICATIONS

**Chassis**: Constructed with 14' sanded, welded, and gold zinc plated sheet metal.

**Worm Gear Reduction**: Two 30-to-1 worm gears equal a 900-to-1 reduction. Both are lubricated in an oil bath.

**Motor**: 1/2hp, instant reversing, 120VAC, 4 amp, 1625 rpm, high speed ball bearings.

**Cover**: High density polyethylene plastic and stainless steel for excellent heat and corrosion resistance.

**Finishing**: All metal parts are gold zinc plated for rust proof protection.

**Emergency Release**: The gate is easily disconnected by turning the release handle. The best option is our DC-1000U™.

**Cycles**: 75/hr. with 600 lb. gate.

**Swing Arm**: Non-scissor type arm action.

**Output Shaft**: 2 1/2" cold rolled steel.

**Capabilities**: Maximum gate length 18'. Maximum gate weight 600 lbs.

**Gate Traveling Speed\***: 90" opening in 13-15 seconds.

**Dimensions**:  
UL model: L20.5' x W15' x H28"  
ST model: L19' x W14' x H28"

**Weight**: Polyethylene cover: 160 lbs.  
**Shipping weight**: 175 lbs.

Stainless Steel cover: 179 lbs.  
**Shipping weight**: 194 lbs.

**Approval**: ETL Listed UL325 and UL991.

## DIMENSIONS

MODEL: CSW-200-UL™



\* Gate travel speed may be impeded by installation, ambient temperature, voltage differences and frequencies.

All measurements and weights are approximate.