

# SwingSmart



## Swing Gate Operator

**Ultra reliable/Low maintenance • Variable speed • Solar • Easy, inexpensive installation**

### Is your swing gate operator this Smart?

**Unmatched 300 cycles** after AC power loss on standard batteries. Exceptional 1,200 cycles after AC power loss on extended batteries

**Moves 1,300 lb (590 kg)** gate leaf with ease

**SmartSync™** synchronizes dual gates automatically for life of operators

**Independent, field-adjustable** open and close speeds

**Intelligent charging system,** monitors battery condition to maximize battery life



Multi-Family Residential



Residential

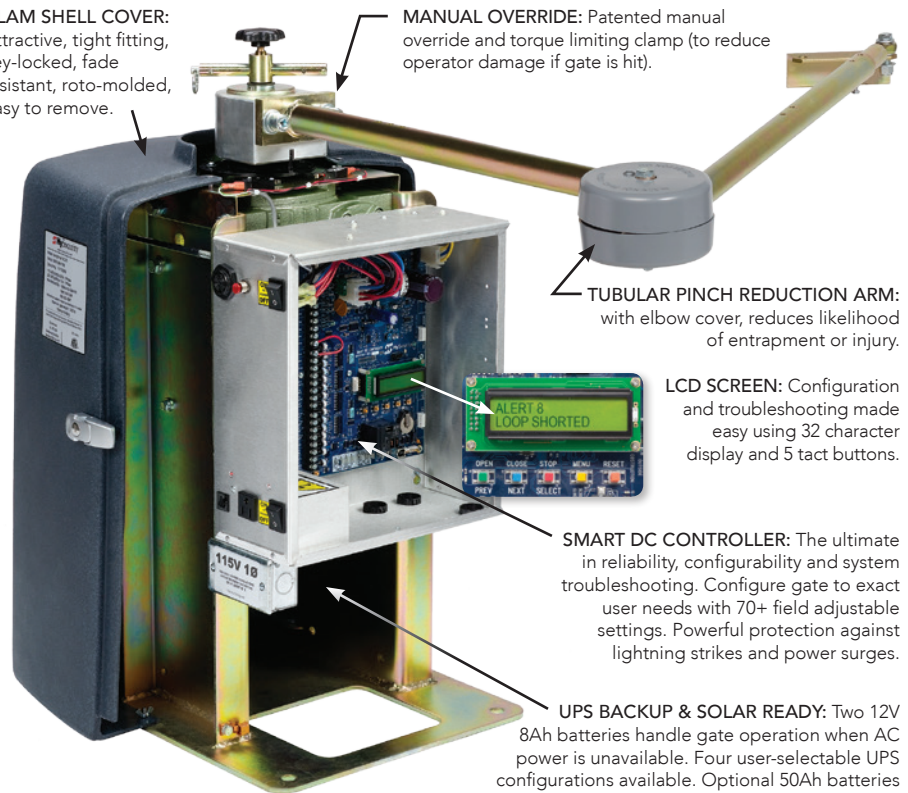


Commercial

#### CLAM SHELL COVER:

Attractive, tight fitting, key-locked, fade resistant, roto-molded, easy to remove.

**MANUAL OVERRIDE:** Patented manual override and torque limiting clamp (to reduce operator damage if gate is hit).



**TUBULAR PINCH REDUCTION ARM:** with elbow cover, reduces likelihood of entrapment or injury.

**LCD SCREEN:** Configuration and troubleshooting made easy using 32 character display and 5 tact buttons.

**SMART DC CONTROLLER:** The ultimate in reliability, configurability and system troubleshooting. Configure gate to exact user needs with 70+ field adjustable settings. Powerful protection against lightning strikes and power surges.

**UPS BACKUP & SOLAR READY:** Two 12V 8Ah batteries handle gate operation when AC power is unavailable. Four user-selectable UPS configurations available. Optional 50Ah batteries quadruple DC cycles after power failure.\*  
\*To lower battery power consumption, accessory selection is important.

### Smart DC Benefits

**Fast and easy installation** reduces costs


**Adaptive IES** (inherent entrapment sensor) provides optimum sensitivity and eliminates false trips

**Configure gate to exact user needs** with 70+ field configurable settings

**Intelligent HY-5A vehicle detectors** monitor and report loop conditions and more

**Easy retrofit** to existing sites - Base plate bolt pattern matches most installed AC machines



**SwingSmart DC 20**  
 **SwingSmart DCS 20 (solar)**  
 1,300 lb gates (590 kg)  
 Open/Close time set independently – Adjustable 10 to 15 seconds

Visit [www.hysecurity.com](http://www.hysecurity.com)

For specifications, tech support, pictures and email subscriptions

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# COMMERICAL

## Highest Customer Satisfaction

### Elegant & Reliable

Distributed by:



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**HySecurity operators** secure the world's critical infrastructure and key assets where ultimate reliability is vital. **SwingSmart** delivers that same uncompromising quality to commercial customers, where ease of use, consistent operation, low maintenance, long life and high reliability is expected.

**SIMPLE.** HySecurity strives for simplicity. Easy to install. Easy to configure. Easy to maintain. Easy to troubleshoot and repair.

**RELIABLE.** HySecurity operators last decades under the harshest climates and user conditions.

**SECURE.** HySecurity is the most used operator on critical infrastructure sites such as nuclear power plants, high security government agencies, embassies, ports, airports, and much more.


### SMART DC CONTROLLER AND S.T.A.R.T. (Smart Touch Analyze & Retrieve Tool)

- Simplifies installation
- Configures gate operation to exact user needs quickly and easily
- Communicates in real time and stores faults in a date and time stamped log
- Simple, quick and inexpensive troubleshooting



**Easily configure the operator** with 5 tact buttons and a 32 character display. Faults flash on the display accompanied by an audio sequence which alerts owner. Faults can also be communicated in real time to the command and control network system for the ultimate in security. The 300 event fault log can be downloaded to a laptop computer to easily troubleshoot random events that appeared days in the past.

## SwingSmart DC™ Model

<b>Standard</b>	<b>SwingSmart DC 20</b>
<b>Solar</b> 	<b>SwingSmart DCS 20</b>
<b>Gate Specs</b>	1,300 lb (590 kg) for a 12 ft (4 m) leaf 800 lb (363 kg) for a 16 ft (5 m) leaf 600 lb (272 kg) for a 20 ft (6 m) leaf
<b>Open/Close Time</b>	Open/Close time set independently. Adjustable 10 to 15 seconds.
<b>Duty Cycle</b>	Continuous
<b>Horsepower</b>	1/2 hp
<b>UPS Standard Battery Backup Cycles*</b>	Two 12V 8Ah batteries. Up to 300 cycles after AC power loss. Field configurable to fail open or secure when batteries deplete.
<b>UPS Extended Battery Backup Cycles*</b>	Two 12V 50Ah batteries. Up to 1,200 cycles after AC power loss. Field configurable to fail open or secure when batteries deplete.
<b>Temperature Rating</b>	-13° to 158° F (-25° to 70° C) No heater necessary
<b>Voltage Input</b>	115V or 208-230V, 50/60Hz Solar: 24 VDC solar panels**
<b>Accessory Power</b>	12VDC and 24VDC 1A each
<b>Communication</b>	USB or RS-232, RS-485, Ethernet/fiber using optional HyNet™ Gateway accessory
<b>User Controls</b>	Smart DC Controller with 70+ configurable settings. 32 character LCD display and 5 tact buttons or a PC using S.T.A.R.T. software.
<b>Relays</b>	Two configurable user relays: 30VDC, 3A solid state and 250VAC, 10A electromechanical; Optional Hy8Relay™ for 8 additional relay outputs
<b>Finish</b>	Zinc plated chassis; polyethylene clam shell cover
<b>ETL Listed (UL 325)</b>	Usage Class I, II, III, IV
<b>Cycle Tested</b>	500,000 cycles
<b>Warranty</b>	5 year, (7 year single-family residential)



### OPTIONAL ACCESSORIES:

- HY-5A intelligent vehicle detectors
- Photo eye
- Hy8Relay™ - extended relay module provides eight additional programmable relay outputs
- HyNet™ Gateway for communicating gate system and accessory status in real time via Ethernet/fiber
- Extended backup batteries

Compatible with most access controls, safety, vehicle detection and other accessories.

**SYSTEM SUPPORT:** Contact HySecurity for CAD drawings, installation information, technical manuals, help with custom site requirements or other support. Visit [www.hysecurity.com](http://www.hysecurity.com) or call to speak with a HySecurity representative today.

This operator requires a minimum of one external entrapment protection sensor to monitor either the open or close direction of travel.

Visit [www.hysecurity.com/gatesafety](http://www.hysecurity.com/gatesafety) for a current list of HySecurity and UL or ETL approved external entrapment protection sensors and sensor accessories.

\*SwingSmart DC is exceptionally energy efficient, however actual battery backed up cycles will depend on gate resistance to travel, cycle length, battery health, ambient temperature, accessory power draw and frequency of gate cycles during power outage.

\*\*Solar panels not supplied by HySecurity