



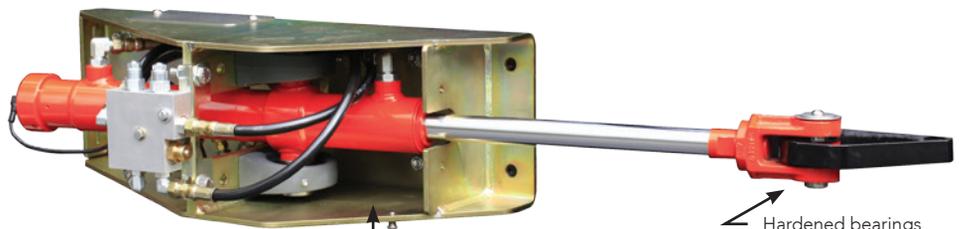
# HydraSwing™



Swing Gate Linear Actuator

**Linear actuators for large, heavy swing gates and swing gates subject to extreme peak winds**

- **Move heavy gates with confidence**, up to 40 ft/15,000 lb leaf (12 m/6,804 kg)
- **10 to 30 second open/close\***  
\*Dependent on gate weight/length and design
- **Graceful, smooth swing**
- **Industrial grade components** for extremely low maintenance and exceptionally long life
- **Seamless communication** with all HySecurity operators for dual gate, sally port, or sequenced gate integration



**HydraSwing 40F**

Stainless steel cover for long lasting durability (not shown).

Symmetrical design for left or right hand mounting.

Hardened bearings for continuous duty.



HydraSwing 40F



HydraSwing 150



Move heavy gates

**SMART TOUCH CONTROLLER** provides the ultimate in reliability, configurability and system troubleshooting.

**PROVEN RELIABLE HYDRAULICS** contain only one gallon of high performance environmentally-friendly hydraulic fluid. Operates without fail in the hottest and coldest climates.

**MODBUS** communications protocol smooths out power spikes and reduces field calls.

**VANDAL RESISTANT** locking mechanism for pump and electrical enclosure protect against vandalism or unauthorized system modifications.



**HydraSupply™**

Separate motor, pump & electrical enclosure

**FAST**



**HydraSwing 40F, HydraSwing 40**

**HydraSwing 40 Twin**  
**HydraSwing 40F Twin**

4,000 lb (1,814 kg) gate  
up to 16 ft (5 m) wide  
10-20 second open

**FAST**



**HydraSwing 80F**

8,000 lb (3,629 kg) gate  
up to 30 ft (9 m) wide  
15-25 second open



**HydraSwing 150**

15,000 lb (6,804 kg) gate  
up to 40 ft (12 m) wide  
20-30 second open

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

For specifications, tech support, pictures and email subscriptions

**HySecurity®**

Simple. Reliable. Secure.®

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# Ultra Reliable High Security

Distributed by:



See the latest from HySecurity at [www.hysecurity.com](http://www.hysecurity.com)

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

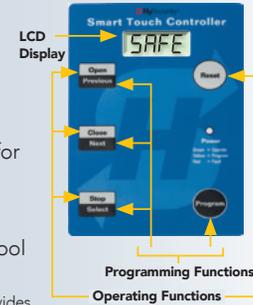
**SIMPLE.** HySecurity strives for simplicity. Easy to install. Easy to configure. Easy to maintain. Easy to troubleshoot and repair.

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

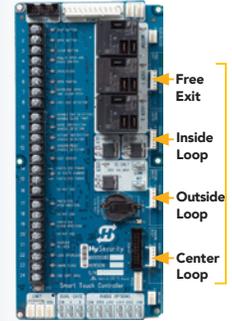
**SECURE.** HySecurity is the most-used operator on critical infrastructure sites such as nuclear power plants, high security government agencies, embassies, ports, airports, and much more.

## TROUBLESHOOT AND PROGRAM USING SMART TOUCH CONTROLLER AND S.T.A.R.T

- Microprocessor-based (Non-PLC)
- 21 field configurable inputs
- 3 field configurable user relay outputs\*
- 4 plug-in HY-5A vehicle detector sockets
- RS-485 and RS-232
- Date & time stamped fault logs, errors and security alerts
- PC interface provided for easy configuration and quick troubleshooting using Smart Touch Analyze and Retrieve Tool (S.T.A.R.T.)



Smart Touch Controller Keypad



Smart Touch Controller Board

\*Hy8Relay option available. Provides eight additional programmable user relay outputs

## 5 HydraSwing™ Models

	FAST 4,000 lb (1,814 kg) gate 10-15 second open*		FAST 4,000 lb (1,814 kg) gate 10-15 second open*		FAST 8,000 lb (3,629 kg) gate 15-25 second open*		15,000 lb (6,804 kg) gate 20-30 second open*
	Fast Single Leaf	Single Leaf	Fast Twin	Twin	Fast Single Leaf	Single Leaf	
Model	HydraSwing 40F	HydraSwing 40	HydraSwing 40F Twin	HydraSwing 40 Twin	HydraSwing 80F	HydraSwing 150	
Duty Cycle	Continuous						
Horsepower	2 hp						
Drive	Hydraulic						
Gate Length Max.*	up to 16 ft (5 m) wide	up to 24 ft (7.3 m) wide	up to 16 ft (5 m) wide each leaf	up to 16 ft (5 m) wide each leaf	up to 30 ft (9 m) wide	up to 40 ft (12 m) wide	
Gate Weight Max.*	4,000 lb (1,361 kg)	4,000 lb (1,814 kg)	4,000 lb (1,814 kg) / leaf	4,000 lb (1,814 kg) / leaf	8,000 lb (3,629 kg)	15,000 lb (6,804 kg)	
Open/Close Time**	10-15 seconds	15-20 seconds	10-15 seconds	15-20 seconds	15-25 seconds	20-30 seconds	
Finish	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Black powder coat	Black powder coat	
Temperature Rating	-40° F to 158° F (-40° C to 70° C) using environmentally friendly Uniflow fluid						
1 or 3 Phase Power	208/230/460VAC 50/60 Hz						
Communication	RS-232, RS-485, Ethernet option						
User Controls	Smart Touch Controller with 70+ configurable settings. Smart Touch keypad and display or a PC using S.T.A.R.T. software.						
Relays	Three configurable user relays: one 30VDC, 3A solid state and two 250VAC, 10A electromechanical. Additional Hy8Relay™ option available.						
Listed to UL325	Usage Class I, II, III, IV				Usage Class III, IV		
Warranty	5 year						

### UPS Backup Models

UPS Backup***	HydraSwing 40F UPS***	HydraSwing 40 UPS***	HydraSwing 40F Twin UPS***	HydraSwing 40 Twin UPS***	HydraSwing 80F UPS***	HydraSwing 150 UPS***
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\*Gate length/weight specifications are dependent on height, percentage of open area on panel and anticipated wind speed.

\*\*Actual open/close time dependent on gate weight/length, percentage of open area on panel and anticipated wind speed.

\*\*\*1000 cycles per day. Available 3Q-2014.

**OPTIONAL ACCESSORIES:** HY-5A intelligent vehicle detectors, Hy8Relay™, heater, galvanized, custom color and more. Compatible with most access control, safety, vehicle detection, and other accessories. Download operator specifications online at [www.hysecurity.com](http://www.hysecurity.com) or call to speak with a HySecurity representative today.



Contact HySecurity for an operator/parts distributor near you.

phone **800-321-9947** fax **888-321-9946**

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