

# SwingRiser™

## Swing Gate Operator

**Ultra reliable • High cycle • Heavy gates • Utility or elegant • Low maintenance**

- **Moves up to 16 ft/3,000 lb (5 m /1,361 kg) leaf with ease**
- **Graceful, smooth lift and swing** clears obstacles like snow, rocks, curbs and road inclines
- **Raises gate leaf a full 12 in (30 cm) during the gate open cycle**
- **14 to 30 second** open/close time
- **Lock gate mechanically** with optional locking pin that locks into receptacle when gate gently lowers at end of its cycle
- **Tested and listed by Intertek**, a nationally recognized testing lab. Visit [hysecurity.com](http://hysecurity.com) for more on the significance of UL 325 listing



United Nations



VIP Residential



Railroad



SwingRiser™ Post in custom heights

HAND PUMP for manual operation in case of power outage on AC units.

**LOCKING PIN** optionally secures the gate as it drops into a locking receptacle when the gate gently lowers at the end of its cycle.

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

- Microprocessor-based controller (Non-PLC)
- 21 field configurable inputs plus dual gate and radio options
- 3 field configurable user relay outputs
- 4 plug-in sockets for the superior HY-5A vehicle loop detector
- RS-485 & RS-232 communication ports
- Date & time stamped fault logs, errors and security alerts
- Optional PC interface for easy configuration and precise troubleshooting



**EXTREMELY RELIABLE HYDRAULICS** contains only one gallon of high performance environmentally friendly hydraulic fluid. Operates without fail in hottest and coldest climates.

**INDUSTRIAL GRADE COMPONENTS** with extremely low maintenance and ultra long life.

**VANDAL RESISTANT OPERATOR** mechanism and remotely located pump and electrical enclosure provide the highest security swing gate operator available.

**SEAMLESS SYNCHRONIZATION** with all HySecurity operators for dual gate, sally port or other specialized applications.



**SwingRiser 14 single**  
**SwingRiser 14-twin**

1,000 lb (453 kg) gate  
14 second open  
Up to 9 ft (3 m) wide each leaf



**SwingRiser 19 single**  
**SwingRiser 19-twin**

1,600 lb (726 kg) gate  
19 second open  
Up to 16 ft (5 m) wide each leaf



**SwingRiser 30 single**  
**SwingRiser 30-twin**

3,000 lb (1,361 kg) gate  
30 second open  
Up to 16 ft (5 m) wide each leaf

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

For specifications, tech support,  
pictures and email subscriptions

**HySecurity®**

*Simple. Reliable. Secure.®*

1-800-321-9947 • [www.hysecurity.com](http://www.hysecurity.com)

# 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. **SwingRiser** delivers uncompromising quality to industrial customers worldwide, where ease of use, consistent operation, low maintenance, long life and high reliability is expected.

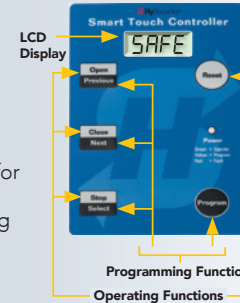
**SIMPLE.** HySecurity strives for simplicity. Easy to install. Easy to configure. Easy to maintain. Easy to troubleshoot and repair.

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

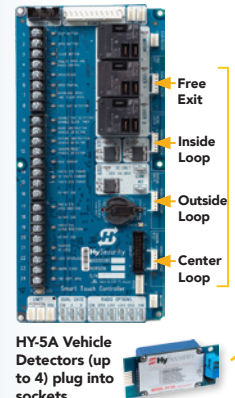
**SECURE.** HySecurity is the most used operator on critical infrastructure sites like nuclear power plants, high security government agencies, embassies, ports, airports, and much more.

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

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



Smart Touch Controller Keypad



Smart Touch Controller Board

## 12 SwingRiser™ Models

	1,000 lb gate, 14 second open		1,600 lb gate, 19 second open		3,000 lb gate, 30 second open	
	Single Leaf	Twin	Single Leaf	Twin	Single Leaf	Twin
Model	SwingRiser 14	SwingRiser 14-Twin	SwingRiser 19	SwingRiser 19-Twin	SwingRiser 30	SwingRiser 30-Twin
Part #	HRG 220-A ST	HRG 222-A ST	HRG 220-B ST	HRG 222-B ST	HRG 220-C ST	HRG 222-C ST
Duty Cycle	500 cycles/day					
Horsepower	1 hp	2 hp	1 hp	2 hp	1 hp	2 hp
Drive	Hydraulic cylinder					
Gate Size	up to 9 ft (3 m) wide	up to 9 ft (3 m) wide each leaf	up to 16 ft (5 m) wide	up to 16 ft (5 m) wide each leaf	up to 16 ft (5 m) wide	up to 16 ft (5 m) wide each leaf
Gate Weight	1,000 lb (453 kg)	1,000 lb (453 kg) / leaf	1,600 lb (726 kg)	1,600 lb (726 kg) / leaf	3,000 lb (1,361 kg)	3,000 lb (1,361 kg) / leaf
Open/Close Time	14 seconds		19 seconds		30 seconds	
Temperature Rating	-40° F to 158° F (-40° C to 70° C) using environmentally friendly Uniflow fluid or -10° F to 158° F (-23° C to 70° C) using biodegradeable fluid. No heater necessary.					
1 Phase Power	115/208/230V 60 Hz 110/220V 50 Hz	208/230V 60 Hz 220V 50 Hz	115/208/230V 60 Hz 110/220V 50 Hz	208/230V 60 Hz 220V 50 Hz	115/208/230V 60 Hz 110/220V 50 Hz	208/230V 60 Hz 220V 50 Hz
3 Phase Power	208/230/460/575 60 Hz, 220/380 50 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					
UL 325 Listing	Usage Class I, II, III, IV					
Warranty	5 year					

### UPS Backup Models

UPS Backup Model	SwingRiser 14 UPS	SwingRiser 14-Twin UPS	SwingRiser 19 UPS	SwingRiser 19-Twin UPS	SwingRiser 30 UPS	SwingRiser 30-Twin UPS
------------------	-------------------	------------------------	-------------------	------------------------	-------------------	------------------------

**OPTIONAL ACCESSORIES:** HY-5A intelligent vehicle detectors. UPS battery backup. Custom post height. Heater. Compatible with most access control devices, safety, vehicle detection, and other accessories.

**SYSTEM DESIGN SUPPORT:** Contact HySecurity for CAD drawings, tech manuals, help with specialty site requirements or other specifications support. Download operator specifications online at [www.hysecurity.com](http://www.hysecurity.com) or call to speak with a HySecurity representative today.

## SwingRiser™ Post

