

SlideSmart™



Slide Gate Operator

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

Is your slide gate operator this Smart?

Unmatched 4,000 ft (1,219 m) gate travel after AC power loss on standard batteries. Exceptional 25,000 ft (7,620 m) gate travel after AC power loss on extended batteries

Moves 40 ft/1,500 lb (12 m/680 kg) gates with ease

Independent, field-adjustable open and close speeds. 1 ft/s (30 cm) and 2 ft/s (61 cm)

Intelligent charging system, monitors battery condition to maximize battery life

Fast and easy installation reduces costs



Commercial



Commercial



Residential

CHASSIS: Heavy duty, low flex and corrosion resistant.

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.

SIMPLE INTEGRATION: Seamless synchronization with all HySecurity operators for dual gate, or other specialized applications.

BASE PLATE: Anti-corrosion polyethylene pad protects chassis against rust and corrosion

PROTECTION PLATE: Protects user from drive train.

LCD SCREEN: Configuration and troubleshooting made easy using 32 character display and 5 tact buttons, plus a 300 event downloadable fault log.

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

Smart DC Benefits

Adaptive IES provides optimum sensitivity and eliminates false trips

Ice breaker mode powers through morning ice/snow buildup

Heater? Not unless temperatures plunge below -13°F (-25°C)

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

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

Graceful, smooth open and close acceleration causes less gate component wear

Tested and listed by Intertek, a nationally recognized testing lab. Visit hysecurity.com for more on the significance of UL 325 listing



SlideSmart DC 15
SlideSmart DCS 15F (solar)
 1,500 lb (680 kg) gates
 0.75 to 1.25 ft/s (23 to 38 cm/s)



SlideSmart DC 10F
SlideSmart DCS 10F (solar)
 1,000 lb (453 kg) gates
 1.75 to 2.25 ft/s (53 to 69 cm/s)



Smart DC Controller

ALERT, REPORTING & BENEFITS

Security and breach reporting

- Tailgate monitoring
- Gate open too long
- Unauthorized vehicle entry
- Gate forced open
- Vehicle loitering outside
- Trigger external cameras, floodlights, sirens, flashers

Gate malfunction alert

- Gate failure
- AC power failure
- Malfunction of vehicle detector or loop (requires HY-5A vehicle detector)

Gate operation and alerts

- Gate fully closed
- Gate fully opened
- Gate partially opened
- Gate external lock activation/deactivation
- Easy integration with other gate operators, as a sally port or dual gate system
- Easy installation configuration

Safety

- Warn before and/or during operation buzzer
- Turn on flashing lights before and/or during operation
- Actuate siren or flashing light before and/or during operation
- Safe mode: Gate edge or inherent entrapment sensor (IES) stops and reverses gate
- Entrapment mode: Two successive IES sensor activations (gate hits) requires manual operator reset

Real time communication to site security system

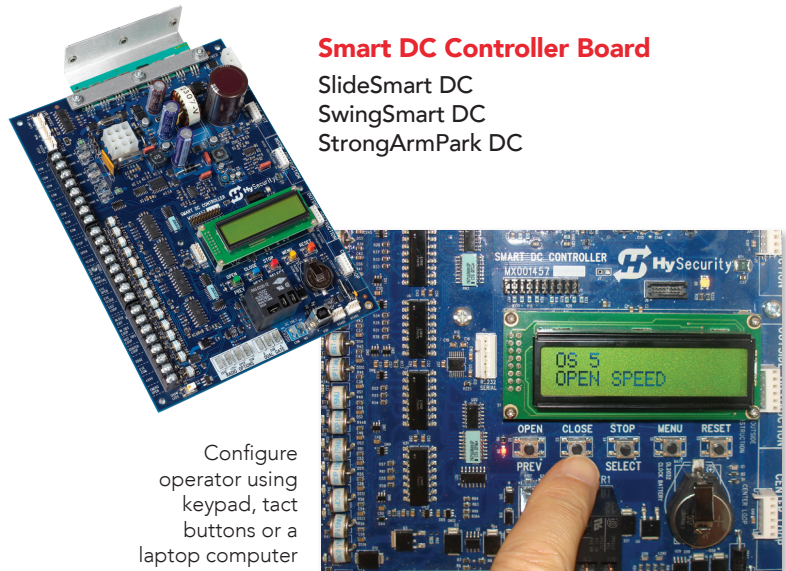
- Security breach or system operational malfunctions
- RS 485 port for network protocols or connections
- Ethernet available via converter
- Dry contact connection to one or more Smart Touch user relays

S.T.A.R.T.

Smart Touch Analyze and Retrieve Tool allows users to upload new operator software, download history or date and time stamped event logs, generate diagnostics, and program the operator.

Smart DC Controller Board

SlideSmart DC
SwingSmart DC
StrongArmPark DC



Configure operator using keypad, tact buttons or a laptop computer



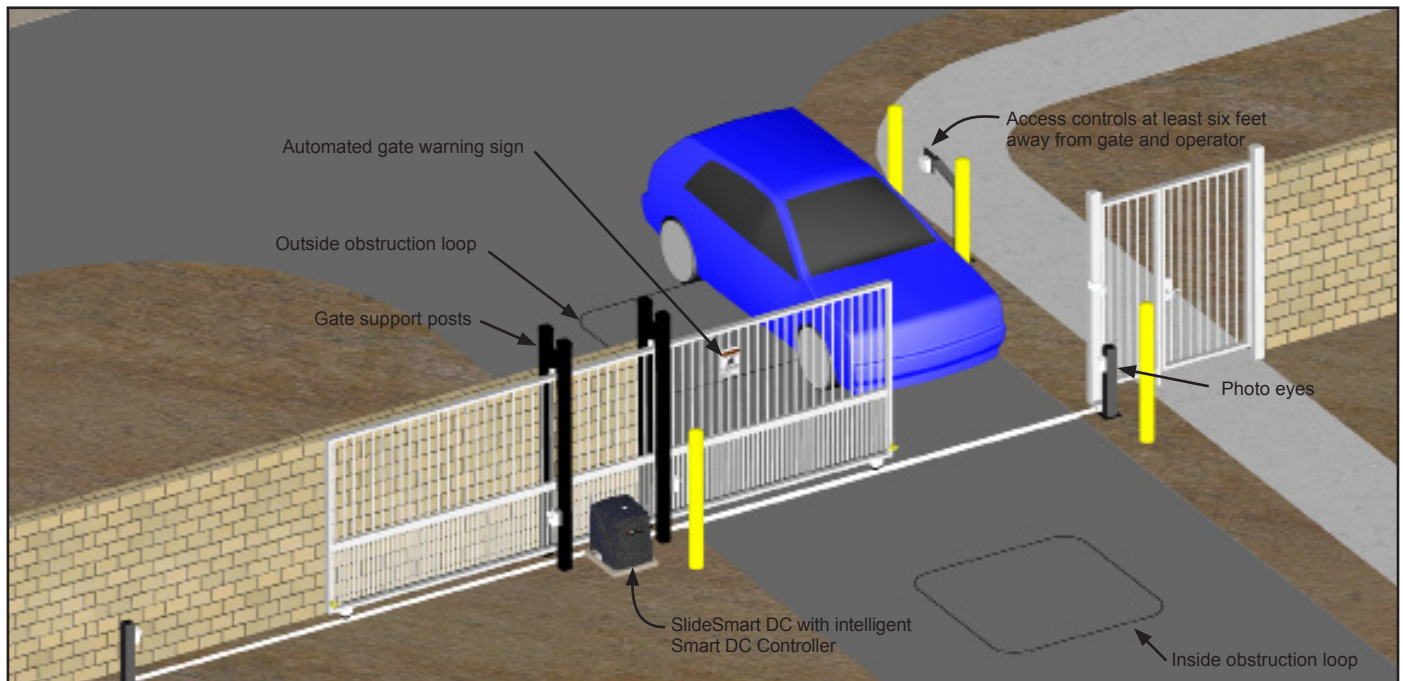
Easily configure the operator, troubleshoot by downloading date and time stamped event log, and save operator configuration to a computer file. Customized menus can be used to re-configure a new board or other operators.

FEATURES & BENEFITS:

- Menu mode for installer and end user configuration
- Patented Anti-Tailgate mode
- Solid state and SPDT installer configurable relay outputs for many interface options
- Optional plug-in HY-5A vehicle detectors that can't crosstalk
- USB and RS-232 for connection to laptop
- RS-485 (ethernet optional) communication for remote monitoring and control
- Unparalleled power surge/lightning strike protection
- Easy one wire input terminal connections and common wire buss
- Approved to the latest UL 991 and UL 325 standards
- Listed for use in all UL defined application classes (I – IV) depending on operator



SlideSmart DC™ Gate System



SlideSmart DC gate system with some required and optional accessories.

2 SlideSmart DC™ Models

	FAST Operators	
Standard	SlideSmart DC 15	SlideSmart DC 10F
Solar	SlideSmart DCS 15	SlideSmart DCS 10F
Max Gate Weight	1,500 lb (680 kg)	1,000 lb (453 kg)
Max Gate Length	40 ft (12 m)	
Rate of Travel	0.75 to 1.25 ft/s (23 to 38 cm/s)** Open/Close speed set independently	1.75 to 2.25 ft/s (53 to 69 cm/s) Open/Close speed set independently
Duty Cycle	Continuous	
Horsepower	1/2 hp	
UPS Standard Battery Backup Gate Travel†	Two 8Ah batteries. Up to 4,000 ft (1,219 m) after AC power loss. Field configurable to fail open or secure when batteries deplete.	
UPS Extended Battery Backup Gate Travel†	Two 50Ah batteries. Up to 25,000 ft (7,620 m) after AC power loss. Field configurable to fail open or secure when batteries deplete.	
Temperature Rating	-13°F to 158°F (-25°C to 70°C) No heater necessary.	
Voltage Input	115V or 230V, 50/60 Hz, Call for 208V 50/60 Hz Solar: 24 VDC solar panels	
Accessory Power	24VAC, 12VDC and 24VDC 1A each Solar: 12VDC and 24VDC, 1A each	
Communication	USB, RS-232, RS-485	
User Controls	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.	
Relays	Two configurable user relays: 30VDC, 3A solid state and 250VAC, 10A electromechanical	
UL 325 Listing	Usage Class I, II, III, IV**	Usage Class III, IV***
Cycle Tested	250,000 cycles	
Warranty	5 year (7 year single-family residential)	5 year

†SlideSmart DC is exceptionally energy efficient, however actual battery backed up gate travel will depend on gate resistance to travel, cycle length, battery health, ambient temperature, accessories drawing battery power and frequency of gate cycles during power outage.

**Speed setting cannot be configured to exceed 1 ft/s for Class I and II usage.

***Not for residential use or applications intended to serve the general public.



OPTIONAL ACCESSORIES:

- HY-5A intelligent vehicle loop detectors
- Photo eye
- Extended backup batteries
- Base riser, 12.5" (32 cm), for extended batteries or more conduit space
- Bolt-on gate brackets
- Stainless steel chain

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