SlideDriver™

Premium Security and Reliability

HySecurity®

a company of TheNiceGroup

The Premium Slide Gate Operator

The ultimate in quality and reliability

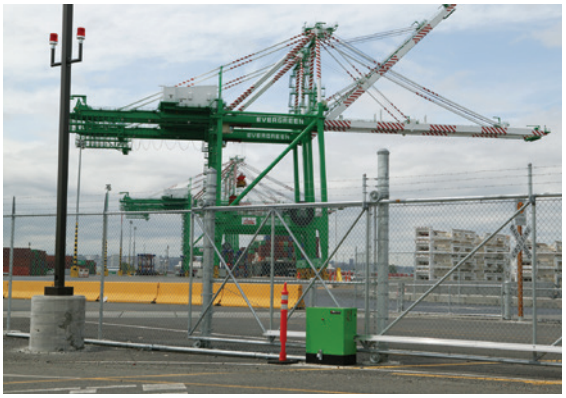
Decades long life and low maintenance

Move the longest, heaviest gates

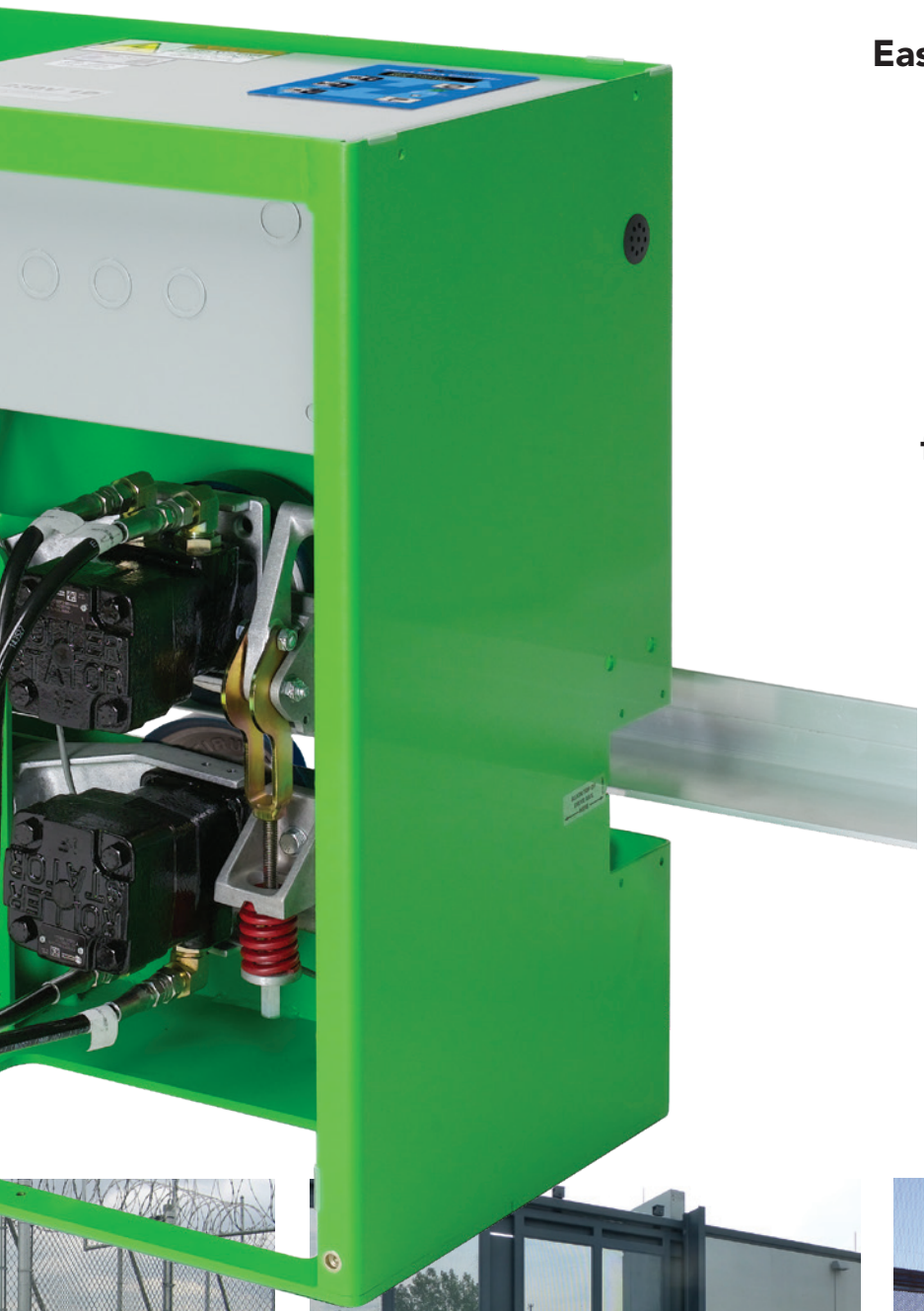
Secure, heavy duty chassis - no visible moving parts

Small to 20,000 lb gates
1 – 3 ft/s gate travel

Dual gate, sally port or sequenced gate integration



for Industrial and High Security



Easy system troubleshooting with online events log

Field programmable to specific site requirements

UPS models retain full functionality during an AC power outage

Extreme temperature latitude

Real time system security alerts

5-year warranty

A Model for Every Site

31 SlideDriver™ Models

SlideDriver 15
1,500 lb gates
1 ft/s

SlideDriver 30F
3,000 lb gates
1.7 ft/s

SlideDriver 40
4,000 lb gates
1 ft/s

SlideDriver 50VF 2/3
5,000 lb gates Field adjustable
2.2 or 3 ft/s + Emergency Fast Close

SlideDriver 80
8,000 lb gates
1 ft/s

SlideDriver 200
20,000 lb gates
1 ft/s

		FAST		FAST		
	1,500 lb (680 kg) gates 1 ft/s (30 cm/s)	**3,000 lb (1,361 kg) gates 1.7 ft/s (50 cm/s)**	**4,000 lb (1,814 kg) gates 1 ft/s (30 cm/s)**	**5,000 lb (2,268 kg) gates 2.2 ft/s (70 cm/s) or 3 ft/s (91 cm/s)**	**8,000 lb (3,629 kg) gates 1 ft/s (30 cm/s)**	**20,000 lb (9,072 kg) gates 1 ft/s (30 cm/s)**
Model	**SlideDriver 15**	**SlideDriver 30F**	**SlideDriver 40**	**SlideDriver 50VF2/3**	**SlideDriver 80**	**SlideDriver 200**
Part #	222 SS ST	222 EX 1.7 ST	222 E ST	222 X3 ST	222 X1 ST	444 XS ST
Duty Cycle	Continuous					
Horsepower	1 hp	2 hp	1 hp	2 hp	2 hp	5 hp
Drive	Hydraulic					
Drive Wheels	Two 6" (15 cm) AdvanceDrive wheels	Two 6" (15 cm) AdvanceDrive wheels	Two 6" (15 cm) AdvanceDrive wheels	Two 8" (20 cm) AdvanceDrive wheels	One 8" (20 cm) AdvanceDrive wheel, One 8" XtremeDrive wheel and 27 ft (8 m) of rack	Two 8" (20 cm) Advance-Drive wheels, Two 8" XtremeDrive wheels and 52 ft (16 m) of rack
Gate Weight Max.	1,500 lb (680 kg)	3,000 lb (1,361 kg)	4,000 lb (1,814 kg)	5,000 lb (2,268 kg)	8,000 lb (3,629 kg)	20,000 lb (9,072 kg)
Gate Length Max.	Limited only by weight					
Drawbar Pull	300 lb (136 kg)	300 lb (136 kg)	300 lb (136 kg)	300 lb (136 kg)	600 lb (272 kg)	1,200 lb (544 kg)
Rate of Travel	1 ft/s (30 cm/s)	1.7 ft/s (50 cm/s)	1 ft/s (30 cm/s)	Field adjustable, 2.2 ft/s (70 cm/s) or 3 ft/s (91 cm/s) Emergency Fast Close 3 ft/s (91 cm/s)	1 ft/s (30 cm/s)	1 ft/s (30 cm/s)
Temperature Rating	-40° F to 158° F (-40° C to 70° C) 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	208/230V 60 Hz 220V 50 Hz	230V 60 Hz 220V 50 Hz
3 Phase Power	208/230/460V or 575V 60Hz; 220/380/440V 50Hz			208/230V 60/50Hz or 380/460V 60/50Hz	208/230/460V or 575V 60Hz; 220/380/440V 50Hz	
Communication	RS-232, RS-485, Ethernet/fiber using optional HyNet™ Gateway accessory					
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; Optional Hy8Relay™ for 8 additional relay outputs					
Finish	Zinc plated with powder coating					
Listed to UL325	Usage Class I, II, III, IV	Usage Class III, IV	Usage Class I, II, III, IV	Usage Class III, IV	Usage Class III, IV	Usage Class III, IV
Warranty	5 year					

UPS Backup Power Options and Additonal Models

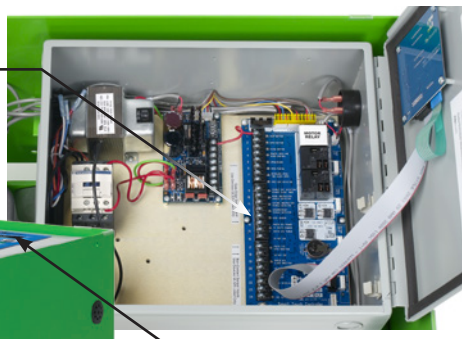
DC Power Supply*	**SlideDriver 15 UPS**	**SlideDriver 30F UPS**	**SlideDriver 40 UPS**	–	**SlideDriver 80 UPS**	**SlideDriver 200 UPS****
AC Power Supply with HyInverter*	**SlideDriver 15** with HyInverter	–	**SlideDriver 40** with HyInverter	**SlideDriver 50VF2/3** with HyInverter	–	–
Correctional Facility	–	**SlideDriver 30F-C**	**SlideDriver 40-C**	**SlideDriver 50VF2/3-C**	**SlideDriver 80-C**	**SlideDriver 200-C**
Modular	**SlideDriver 15-M**	**SlideDriver 30F-M**	**SlideDriver 40-M**	**SlideDriver 50VF2/3-M**	**SlideDriver 80-M**	**SlideDriver 200-M**

* 3,000 ft/hr expected duty cycle. ** 2,000 ft/hr expected duty cycle. Actual duty cycle depends on site specific conditions and gate configuration.

To enable fully automatic operation, all SLIDE gate operators require a minimum of TWO monitored external entrapment protection sensors (one for each direction) to protect entrapment zones in both the open and close direction of travel.

Powerful, Rugged, Continuous Duty

ELECTRICAL ENCLOSURE



FIELD PROGRAMMABLE SMART TOUCH CONTROLLER provides the ultimate in configurability and system troubleshooting.

SECURE UNI-BODY WELDED CHASSIS constructed with rigid 12 gauge sheet metal and protected with ultra durable polyester powder coat over zinc plating for an enduring attractive finish.

Smart Touch Controller keypad & display

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

INDUSTRIAL GRADE COMPONENTS ensure extremely low maintenance and exceptionally long life.

Enclosed, Secure Pinch-Wheel Drive

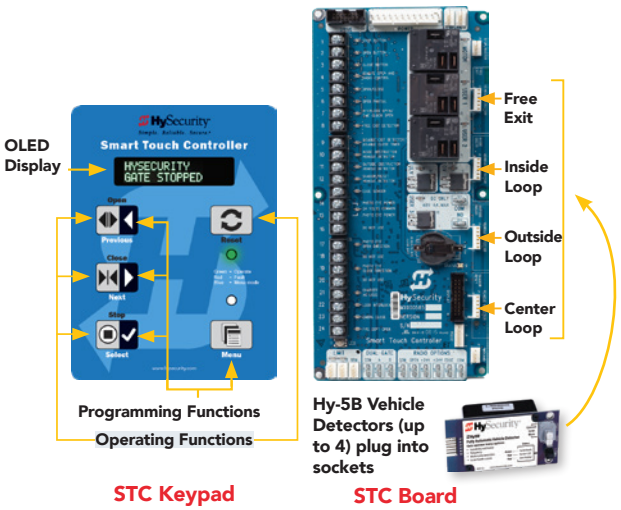
- No exposed chain
- Long life
- Field and factory proven under brutal conditions
- Simple, quick and inexpensive replacement
- Two year limited warranty

AdvanceDrive™ Wheel

Program and Troubleshoot

- Microprocessor-based (Non-PLC)
- 21 field configurable inputs
- 3 field configurable user relay outputs. Hy8Relay option provides 8 additional user relay outputs
- 4 plug-in Hy-5B™ vehicle detector sockets
- RS-232, RS-485 and HyNet™
- 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.)
- Unparalleled power surge/lightning strike protection
- Easy one wire input terminal connections and common wire buss

Smart Touch Controller



Corrections

Correctional Facilities Model

SlideDriver Correctional offers three high security lock options and a heavier, 10-gauge steel cover for added protection. HySecurity Correctional Facility gate operators come standard with all software needed to interface with common options and interlocks used at correctional facilities, such as gate position outputs, interlock capability for sally ports or sequenced gates, and multiple relays for an external solenoid lock or other customizable options.

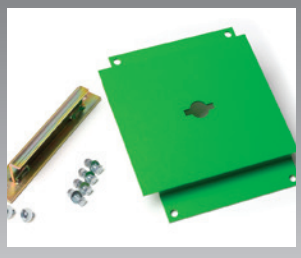
- **Highest security**. Heavier, 10-gauge cover with a high security lock for added protection. Easy to program for sally port, external lock mechanisms, and gate position indicator. Available with an optional internal deadbolt gate lock.
- **Three lock options**. Deadbolt, padlock and T-lock
- **Easy to integrate.** Shipped ready to interface with common options and interlocks used at correctional facilities, such as gate position outputs. Has interlock capability for sally ports and an interface relay to control an external solenoid lock.

Applicable Models:

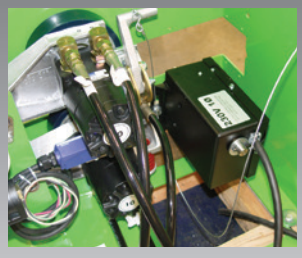
SlideDriver 30F-C, 30F-C UPS,
30F-CM, 40-C, 40-CM, 40-C UPS,
50VF2/3-C, 50VF2/3-CM, 80-C,
80-C UPS, 200-C, 200-C UPS

Solenoid lock is not available with UPS models

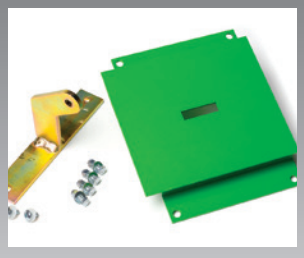
Choose your lock:



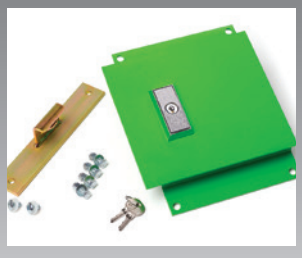
Deadbolt Prep:
Plate is designed to accommodate a 1010 deadbolt lock



Internal Solenoid Lock:
Deadbolt lock employs a 3/4 inch (19mm) stainless-steel lock pin to lock the gate in the closed position



Padlock Prep:
Plate is designed to accommodate a standard padlock



T-Lock:
Option includes the T-lock

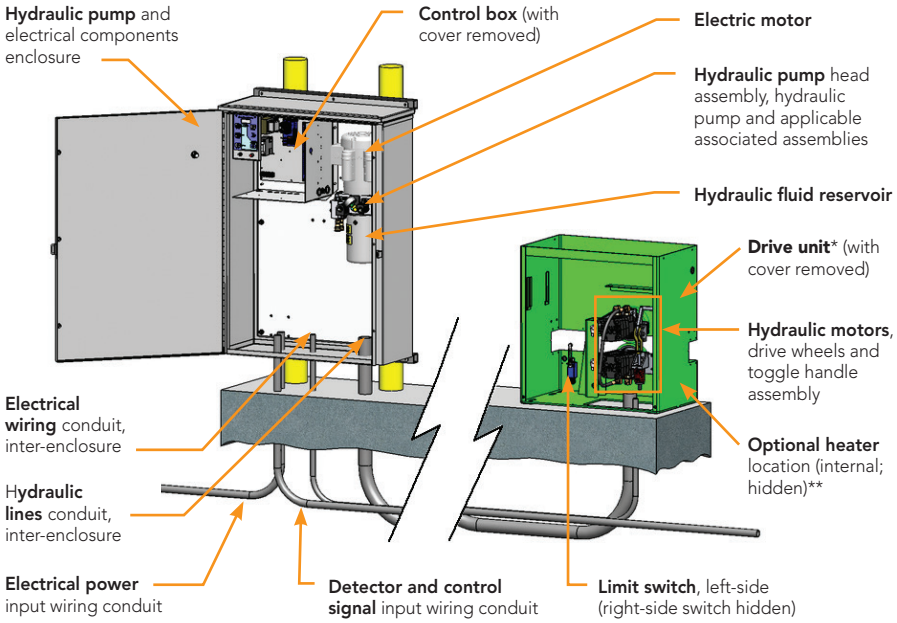
High Security, Custom Applications

Modular

SlideDriver Modular remotely locates all hydraulics and controls in a separate lockable enclosure for sites requiring unique mounting, highest security, blast mitigation or areas requiring noise reduction.

- **Highest security**. Threat of vandalism or unauthorized operator programming is greatly reduced with the Smart Touch Controller, electric motor assembly and pump pack remotely located in the HydraSupply. The only parts remaining in the operator are drive wheels, hydraulic motors and limit switches.
- **Blast mitigation**. In factories or other areas where gases or airborne particulates could pose an explosive danger, modular SlideDrivers remotely locate most electrical components, protecting against possible ignition of combustible materials.
- **Quiet**. Choose modular for noise-sensitive sites.

Remotely Located Enclosure



* Drive unit with two hydraulic motors shown; drive unit with four hydraulic motors is similar.
** The optional heater requires a separate electrical conduit (not shown) between the control box and drive unit.

Applicable Models:

SlideDriver 15-M, 15-M UPS, 30F-M, 30F-CM, 30F-M UPS, 40-M, 40-CM, 40-M UPS, 50VF2/3-M, 50VF2/3-CM, 80-M, 80-M UPS

Remote Location:

The Pump/Electrical Enclosure (shown post-mounted) can be on either side of the Drive Unit. It can also be wall-mounted and/or located remote from the Drive Unit.

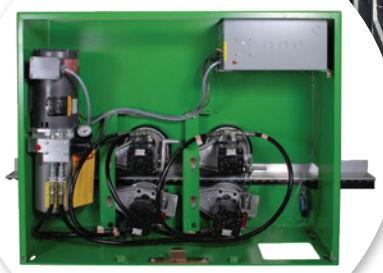
HydraSupply enclosure may be located up to 100 ft (30.5 m) from operator. For longer than 100 ft runs, or extremely cold climates, call HySecurity for hose specifications.

Move Up to 20,000 lb Gates

SlideDriver 80 and 200

- **Move large, heavy gates** up to 20,000 lb (9,072 kg)
- **SlideDriver models 80 and 200** utilize HySecurity's XtremeDrive™ system for maximum pull force
- **SlideDriver 200** operates with a double-wide, four wheel drive
- **Retain full functionality during an AC power outage** using HySecurity's advanced DC Power Supply with HyCharger DC™, a powerful 50A three stage charger, designed and built for continuous duty and long battery life
- **Seamless synchronization** with all HySecurity operators for dual gate, sally port or sequenced gate integration

SlideDriver 200 operates crash gate at power substation



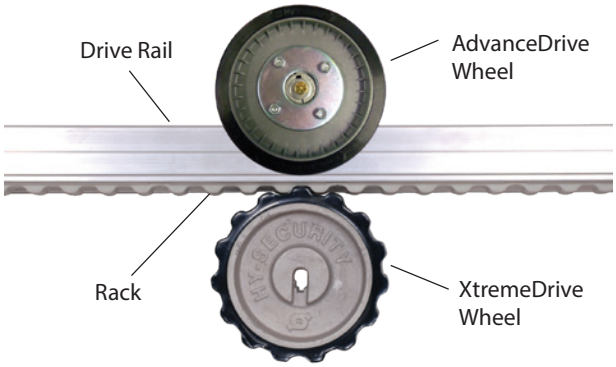
SlideDriver 200

XtremeDrive™ System

Patent Pending

Another HySecurity Innovation

- **The XtremeDrive System** comes standard with SlideDriver 80 and 200 and is optional with all models
- **Heavy gates operate more reliably** in severe weather including conditions where excessive ice, snow, blowing salt, sand and dust build up on the drive rail.
- **Provides maximum pull force** and traction for exceptionally hard to move gates.*
- **Cogged lower wheel** engages a matching cogged rack and increases traction the entire length of drive rail under the worst conditions.
- **Easy retrofit.** Replace smooth bottom wheel with XtremeDrive wheel, and add rack to existing drive rail. XtremeDrive wheel fits standard SlideDriver wheel mounts.



* *HySecurity's XtremeDrive System does not replace an improperly adjusted gate operator or a poorly maintained or installed gate. Ensure your operator and gate are installed and maintained according to the manufacturer's guidelines before retrofitting XtremeDrive.*

If you are retrofitting a SlideDriver with XtremeDrive you will have to raise the drive rail ¼" to ½".

UPS Backup Option - AC/DC

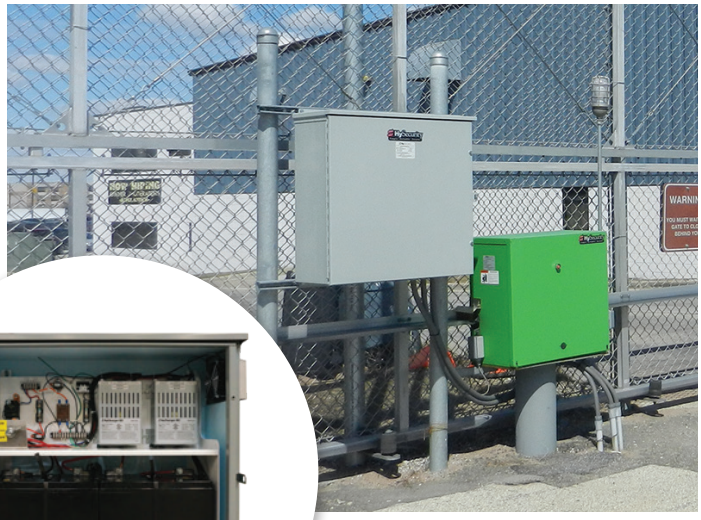
Maintain security even after AC power loss

HySecurity UPS backup systems keep vehicle barriers and access control points alive and cycling after AC power loss.

DC Power Supply with HyCharger DC

A powerful 50A three stage charger, custom built for continuous duty and long battery life.

- Redundant chargers increase security & reliability
- Burst mode power when needed
- Easy retrofit for existing DC power supply
- Duty cycle: continuous
- Input power: 115, 208/230 VAC; 50/60 Hz
- Fast, min 2-hour recharge
- Wide temp rating: -40° to 70°C (-40° to 158°F)
- Climate controlled heating and cooling



SlideDriver 40 UPS at aviation facility

AC Power Supply w/HyInverter AC

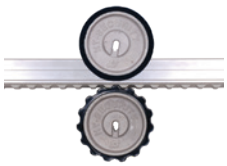
Back up ALL HySecurity Variable Frequency (VF) operators including SlideDriver 50VF2/3.

- AC Power Supply field retrofits competitor 1 hp operators
- Install anywhere on branch circuit, from operator to protected facility
- Quick power transfer: ½ AC cycle
- Input power: 208/230VAC, 50/60Hz, single phase
- Fast, min 6-hour recharge
- Wide temp rating: -40° to 50°C (-40° to 122°F)
- Climate controlled heating and cooling

SlideDriver 50VF2/3 at Data Center

Accessories

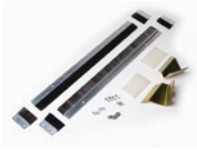
Base extension
Raise SlideDriver up 12 inches for additional conduit accessibility and operator flexibility.



XtremeDrive™ System
Handle exceptionally difficult to move, large or heavy gates with the XtremeDrive rack and drive wheel system.

Hy5B™ Detector
Trouble-free configuration allows extensive system diagnostics and recording of all loop fault conditions.

Heater Kit
Maintain the reliability of the SlideDriver even in icy and snowy conditions with a heater kit.



Snow brush and scraper kit
Reduce snow and ice buildup. Allow the wheels to make direct contact with the drive rail to reduce slippage.

Internal solenoid kit
As a standard specification on correctional sites, the internal solenoid lock provides the additional security that these sites demand.

Fire Release
Fire and emergency access lock box provides fast gate entry in case of emergency.

Photo Eye Kits
When safety is a priority, photo eyes are the solution. Detect pedestrians or cars before they become entrapped.

ASO Edge Sensors
Wraparound square, round or channel mount with 10k ohm resistor.

Hy8Relay™
Add 8 user relays to your HySecurity operator. Integrated with Smart Touch controller using S.T.A.R.T.

Drive Rail
Aluminum drive rail, standard, underside grooves for improved wet traction. (Non-grooved available also.)

HyNet™ Gateway Integration
Provides intelligent perimeter control with real time connection to a HySecurity operator that communicates breach and system malfunctions via built in web interface, Web Services API or SNMP.

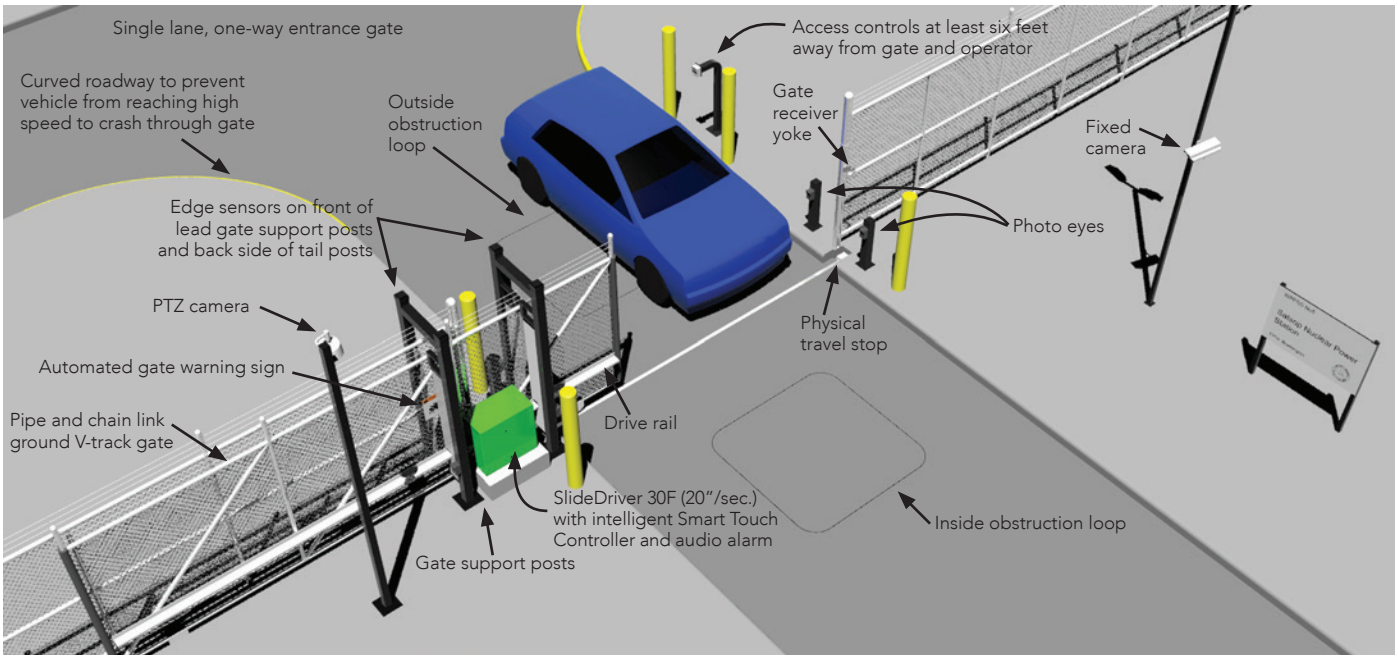
Amber Strobe Beacon, 24VDC
Add 360 degrees of visible warning during gate operation.

Push Button Station, 2 or 3 Button
Manually control gate operator through control station from a distance by pushing a button.

Clock Timer
Seven day, 24 hour timer.

System Design Support

SlideDriver™ Gate System



SlideDriver gate system with required and optional accessories.

We help hundreds of specifiers successfully design highly complex automated gate systems

Our highly experienced specification professionals save you time by helping you identify what components your project needs, then recommending latest technology and best solutions for you and your client. As Certified Automatic Gate System Designers, their years of hard won experience and knowledge will guide you through industry safety standards to help ensure your project's compliance. Their total immersion in this dynamic and growing industry safeguards your project's design and execution success.

Call for System Design Support

1-800-321-9947

SlideDriver UPS

Petrochemical

Corrections

Tank Farm

Data Center

Transit

Airport

HySecurity®
a company of TheNiceGroup

Call HySecurity for an operator/parts distributor near you.
phone 800-321-9947 fax 888-321-9946
www.hysecurity.com • info@hysecurity.com

D0795 080718