

Commercial

SlideSmart™ CNX



24
Volt



Slide Gate Operator

The NEW CNX gate operator

SlideSmart CNX brings together the best of two terrific brands. We've joined the advanced features of Smart DC, BlueBUS and OXI technology to create a best of class swing gate operator!



SlideSmart CNX 20

1,500 lb gates
0.75 or 1 ft/s
300 lb pull force

- S.T.A.R.T. CNX™ installer app for full control from your phone
- HyNet™ Technology provides remote management capabilities
 - Security alerts
 - Remote diagnostics
 - Software upgrades
 - Settings and configuration
- Solid state non-contact limit sensors
- Super quiet, super reliable direct drive gear train
- Locking cover prevents tampering and theft
- Covers injection molded from high impact, fade resistant resin
- Tight fitting covers seal out rain and deters rodents and small pests
- Front cover access for service needs
- Two 8Ah batteries for up to 4,000 ft on AC power loss. Optional upgrade to 35Ah batteries for solar applications.
- 5 year warranty / 7 year single-family

**MADE
★ IN THE ★
USA**
WITH GLOBAL MATERIALS



S.T.A.R.T. CNX Installer Smartphone App

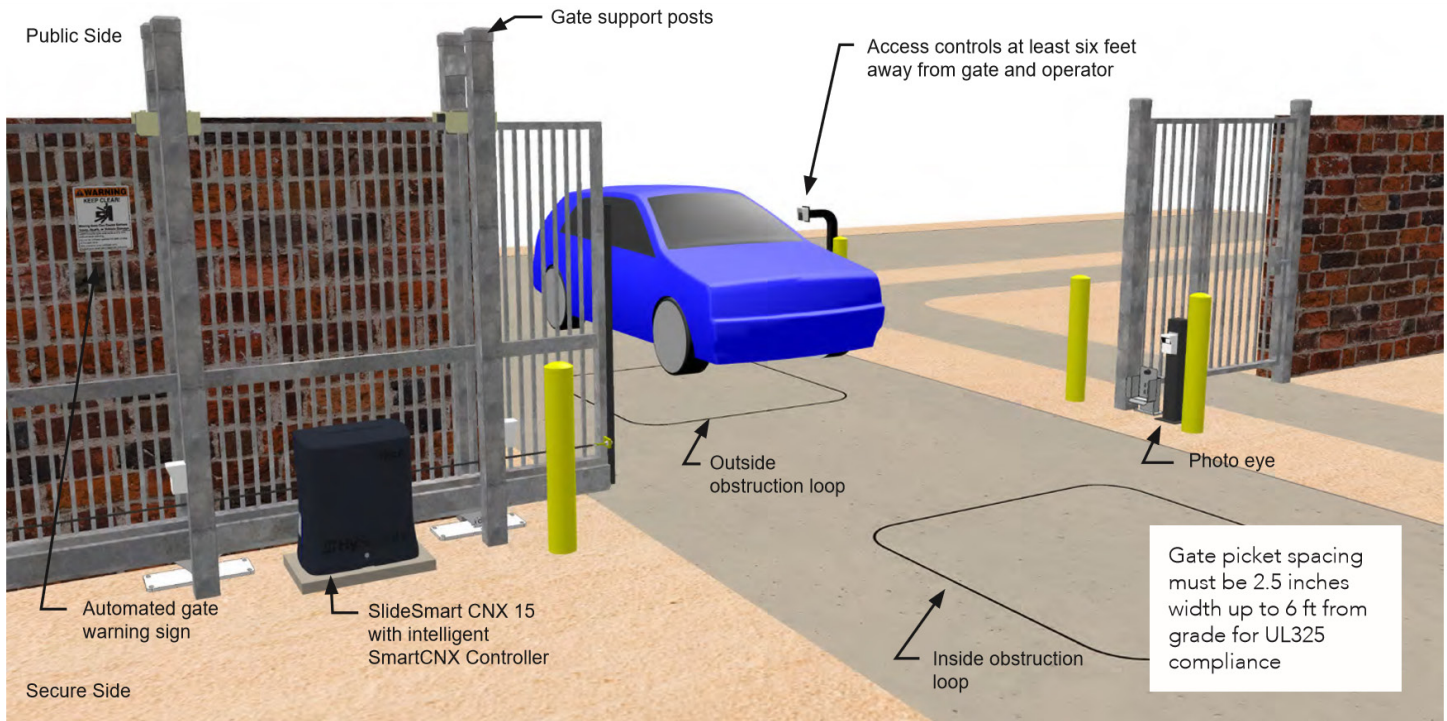
S.T.A.R.T. CNX™ installer smartphone app for full control from your phone

- Bluetooth connection to smartphones
- Intuitive to use
- Full control of operator settings





SlideSmart™ CNX Gate System



OPTIONAL ACCESSORIES:

- Hy5B™ 2.0 intelligent vehicle detectors
- I/O Expansion module provides provides 8 additional programmable relays and inputs.
- Photo eye and ASO edge
- Extended backup batteries
- Post mount kit or base extension



I/O Expansion Board

Provides 8 additional relay outputs and 8 additional digital inputs to cover the needs of the most complex installations.

The SmartCNX controller provides a library of ready configurations to take the effort out of control system design.



Brushless DC motor

- More power in a smaller size
- Highly efficient for solar applications
- Excellent control for accurate start and stop locations
- Faster obstruction detection
- Less stress on electronic drive components for reliability and long life



SLIDESMART CNX 15 is our newest commercial grade, continuous duty, electromechanical, chain driven slide gate operator designed for millions of low maintenance cycles. SmartCNX programmable controller, compatible with S.T.A.R.T. CNX installer smartphone app makes installation easy, even for complex applications.

SLIDESMART CNX incorporates soft-start, soft-stop technology to gracefully operate gates up to 50 ft in length and up to 1,500 lb with independently programmable open and close speeds from 0.75 or 1 ft/s.

- Operator uses powerful brushless motor with advanced digital controls for smooth operation and long life. Direct drive gear provides high reliability and quiet operation.
- Unique “Ice Breaker Mode” powers through morning snow buildup, reducing unnecessary service calls and user complaints.
- Adaptive IES (inherent entrapment sensor) optimizes gate resistance sensitivity and reduces false trips or unnecessary call backs.
- Solid state non-contact limit sensors
- Key locked, fade resistant, high impact injection molded clam shell cover fits tightly to deter rodents and other small pests. All service needs accessed from front cover.

UPS STANDARD BATTERY BACKUP uses two 8Ah batteries for up to 4,000 ft of gate travel after AC power loss. Upgrade to 35Ah batteries with the Extended Battery Backup Kit for 18,000 ft of gate travel after AC power loss.*

- Continues to operate with dead or dying batteries while on AC.
- Field configurable to fail open or secure if batteries deplete.
- The HySecurity designed intelligent, three stage charging system monitors battery condition to maximize battery life.

EASILY CONFIGURE GATE OPERATION to specific site requirements with our new SmartCNX Controller.

- Use the S.T.A.R.T. CNX™ installer app for full control from your phone
- Upload latest software, troubleshoot system and save operator configurations via smartphone app or USB
- Programmable dual or sequenced gate integration.
- Three configurable user relays plus optional SmartCNX I/O Expansion module - providing eight additional inputs supporting 10k, 0-5V (analog), and dry contact inputs.
- Make loop problems go away with Hy5B™ 2.0: The vehicle detector with automatic sensitivity adjustment, advanced tailgating detection, and loop health scoring.
- Compatible with Nice BlueBUS™ accessories. Nice OXI/A receiver compatible with ERA and INTI Transmitters.

CONNECT AND REPORT: Integrated HyNet™ Technology provides remote management capabilities: Securely report gate system tailgating, gate hits, failure to operate, and more, in real time to maintain perimeter security. Additionally, configure email alerts to communicate issues to installer, facility or security responders.

Operator price includes 30 ft (9 m) of #40, corrosion resistant roller chain and two steel gate mounting brackets; one premium EMX IRB-MON through-beam photo eye, one 5-ft premium ASO edge sensor; Nice OXI/A receiver, compatible with Era One and INTI transmitters and two 8Ah batteries for backup power

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. See page x-xi or visit www.hysecurity.com/gatesafety for more information on UL 325 standards and gate safety.

SOLAR

When there's no AC access and plenty of sun, operate energy efficient SlideSmart CNX 15 with solar panels. MPPT (Maximum Power Point Tracking) solar battery charge regulator is integrated into the SmartCNX controller, making installation as simple as connecting two wires. In locations with adequate sunshine, two 8Ah batteries provide up to 100 gate cycles per day. Upgrade to larger solar panels and 35Ah batteries with the Extended Battery Backup Kit option for sites requiring more than 100 gate cycles per day and/or sites in less sunny climates.

† 40 Watt minimum 24VDC solar panel (or two 12V - 20W panels wired in series), not included but required for solar operation. Visit www.hysecurity.com or call for information on solar panel size calculations.



SlideSmart CNX Model, AC or Solar

Standard	SlideSmart CNX 15
Solar	Solar Ready
Gate Weight Max.	1,500 lb (680 kg)
Gate Length Max.	50 ft (15 m)
Pull Force*	300 lb
Rate of Travel	0.75 or 1 (23 or 30 cm/s) Open/Close speed set independently
Duty Cycle	Continuous
Horsepower	1/2 hp
Drive	Electromechanical - 24V Brushless DC motor with low friction direct drive power train
UPS Battery Backup Cycles**	Field configurable to fail open or secure when batteries deplete. Standard battery backup gate travel: Two 8Ah batteries. Up to 4,000 ft (1,219 m) after AC power loss. Extended battery backup gate travel: Two 35Ah batteries. Up to 18,000 ft (5,500 m) after AC power loss.
Temperature Rating	-13° to 158°F (-25° to 70°C)
Operating Voltage	24VDC
Input Voltage	Switch select 115V or 208-230V, 60/50 Hz; Solar input 12 or 24V solar panels
Accessory Power	24VDC at each input & SS relay (1A accumulative)
Communication	BlueBUS, USB, Ethernet, T4, RS-485, Bluetooth
User Controls	SmartCNX Controller with 70+ configurable settings. 32 character OLED display and 7 tactile buttons, or Bluetooth smartphone interface, for programming.
Relays	3 configurable user relays: Two - 30VDC, 3A solid state. One 250VAC, 10A electromechanical; Optional SmartCNX I/O Expansion module with 8 additional inputs supporting 10k, 0-5V (analog), and dry contact inputs
Finish	Zinc rich primer with black powder coated chassis. High impact copolymer cover.
ETL Listed (UL 325)	Usage Class I, II, III, IV
Warranty	5 year (7 year single-family residential)

*Nice/HySecurity manufacturers only reliable and powerful gate operators and provides an extra margin of power to be certain the gate works in adverse conditions. Some manufactures overstate the length and weight capacity of their operators, but Nice/HySecurity rates conservatively. Note that our pull force ratings are substantial and that extra margin of power is part of the HySecurity reputation for reliability.

**SlideSmart CNX 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.

SYSTEM DESIGN SUPPORT: Contact Nice/HySecurity for help with custom site requirements, CAD drawings, tech manuals or other specifications support.

VISIT WWW.HYSECURITY.COM for installation manuals, parts diagrams, wiring diagrams, specifications, image gallery, videos, training and much more.



Contact HySecurity/Nice Regional Sales Manager for an operator/parts distributor near you.
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