

Commercial

SwingSmart™ CNX



24
Volt



Swing Gate Operator

The NEW CNX gate operator

SwingSmart 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!



SwingSmart CNX 20

1,300 lb gates
Open/Close time set
independently – Adjustable
10 to 15 seconds

- 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
- New Universal Arm design has cast steel elbow housing and oval telescoping arms for safety and easy installation
- Patented Taper Clamp provides adjustable protection from high winds and gate strikes
- Tight fitting covers seal out rain and deters rodents and small pests
- Locking covers prevents tampering and theft
- Front cover access for service needs
- Solid state limit sensors never need readjusting
- Two 8Ah batteries for up to 300 cycles on 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





SwingSmart™ CNX Gate System



OPTIONAL ACCESSORIES:

- S.T.A.R.T. CNX installer app
- Hy5B™ 2.0 intelligent vehicle detectors
- I/O Expansion module provides pro vides 8 additional programmable relays and inputs.
- Photo eye
- 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



SWINGSMART CNX 20 is our newest commercial grade, continuous duty, electromechanical 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.

GRACEFULLY CYCLE a maximum gate length of 20 ft or maximum gate weight of 1,300 lb. Set Open/Close speeds independently - adjustable 10 to 15 seconds.

- HySecurity's new universal pivot arm with cast steel elbow and safety engineered geometry reduces pinch points, enhancing user safety.
- Operator uses powerful brushless motor with advance digital controls for smooth operation and long life. Direct drive gear provides high reliability and quiet operation.
- Our patented taper clamp protects the operator from gate strikes and high winds.
- Adaptive IES (inherent entrapment sensor) optimizes gate resistance sensitivity and reduces false trips or unnecessary call backs.
- Solid state limit sensors never need readjusting.
- 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 300 cycles after AC power loss. Upgrade to 35Ah batteries with the Extended Battery Backup Kit for an exceptional 1,000 cycles 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 smartphone 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 one premium EMX IRB-MON through-beam photo eye; Nice OXI/A receiver compatible with Era One and INTI transmitters; Two 8Ah batteries for backup power.

To enable fully automatic operation, all SWING gate operators require a minimum of ONE monitored external entrapment protection sensor to protect entrapment zones in either the open or close direction of travel. However, an additional monitored sensor is required if there is a risk of entrapment in both directions of gate 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 SwingSmart CNX 20 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.



SwingSmart CNX Model, AC or Solar

Standard	SwingSmart CNX 20
Solar	Solar Ready
Gate Specs	1,300 lb (590 kg) for 12 ft (4 m) leaf, 800 lb (363 kg) for a 16 ft (5 m) leaf, 600 lb (272 kg) for a 20 ft (6 m) leaf
Open/Close Time	Open/Close time set independently. Adjustable 10 to 15 seconds.
Duty Cycle	Continuous
Drive	Electromechanical - 24V Brushless DC motor with direct drive power train
Horsepower	1/2 hp
UPS Battery Backup Cycles*	Field configurable to fail open or secure when batteries deplete. Standard battery backup gate travel: Two 12V 8Ah batteries. Up to 300 cycles after AC power loss. Extended battery backup gate travel: Two 12V 35Ah batteries. Up to 1,000 cycles 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)

*SwingSmart 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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