

 **SmartCNX™**



**Capability meets  
simplicity**



[www.SecureOpeners.com](http://www.SecureOpeners.com)  
(800) 878-7829  
[Sales@SecureOpeners.com](mailto:Sales@SecureOpeners.com)



# The future of smart, connected gate automation

We've joined the best of Nice and HySecurity to build *best in class* commercial swing and slide gate operators



## 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



## 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

## 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.



**SlideSmart™ CNX** **SwingSmart™ CNX**

SlideSmart CNX and SwingSmart CNX require professional installation

# SMART

- S.T.A.R.T. CNX installer app
- Intelligent inputs take pulsed or 10K resistive sensors
- BlueBUS input
- Extended history event log
- 5 programmable digital inputs for sensors, detectors, or other access controls
- Dedicated inputs for dual gate and sequenced gates
- Toolless wire terminals
- 3 programmable relay outputs
- 4 Hy5B™ vehicle detector slots
- USB port for software updates and log files
- Nice OXI receiver



Cast steel arm with integral protection from pinch points



Adjustable overload protection



USB port for software updates and log files


# RELIABLE

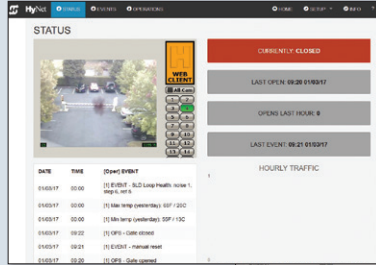
- Solid state non-contact limit sensors
- Super quiet, super reliable direct drive gear train
- Locking covers prevents tampering and theft
- Covers are injection molded from high impact, fade resistant resin
- Tight fitting covers seal out rain and deters rodents and small pests
- Front cover access for service needs
- Two 8Ah batteries for up to 300 cycles on power loss. Optional upgrade to 35Ah batteries for solar applications.
- 5 year warranty / 7 year single-family

# CONNECTED

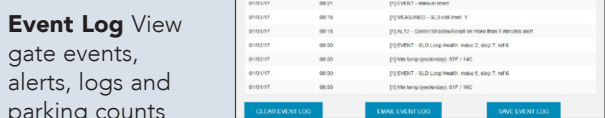
Integrated HyNet™ Technology provides remote management capabilities

- Remotely monitor the gate operator
- Remotely manage operator settings
- Control your HySecurity operator from your security platform
- Remotely update software to your operator
- Troubleshoot gate errors and faults
- Check cycle count
- Automatic notification of alerts and faults





**Status Screen**  
Monitor gate status and cycle counts



**Event Log View**  
gate events, alerts, logs and parking counts

<b>Standard</b>	<b>SlideSmart CNX 15</b>
<b>Solar</b>	Solar ready for 12 - 36V
<b>Gate Weight Max.</b>	1,500 lb (680 kg)
<b>Gate Length Max.</b>	50 ft (15 m)
<b>Pull Force*</b>	300 lb
<b>Rate of Travel</b>	0.75, 1 or 1.25 ft/s (23, 30 or 38 cm/s)** Open/Close speed set independently
<b>Duty Cycle</b>	Continuous
<b>Horsepower</b>	Equivalent to 1/2 hp
<b>Drive</b>	Electromechanical - 24V Brushless DC motor with direct drive power train
<b>UPS Battery Backup Cycles** *</b>	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 (5,486 m) after AC power loss.
<b>Temperature Rating</b>	-13° to 158°F (-25° to 70°C)
<b>Operating Voltage</b>	24VDC
<b>Input Voltage</b>	Switch select 115V or 208-230V, 60/50 Hz; Solar input 12 or 24V solar panels
<b>Accessory Power</b>	24VDC at each input & SS relay (1A accumulative)
<b>Communication</b>	BlueBUS, USB, Ethernet, T4, RS-485, Bluetooth
<b>User Controls</b>	SmartCNX Controller with 70+ configurable settings. 32 character OLED display and 7 tactile buttons, or Bluetooth smartphone interface, for programming.
<b>Relays</b>	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
<b>Finish</b>	Zinc rich primer with black powder coated chassis. High impact copolymer cover.
<b>ETL Listed (UL 325)</b>	Usage Class I, II, III, IV**
<b>Warranty</b>	5 year (7 year single-family residential)

\* Nice HySecurity manufactures only reliable and powerful gate operators and provides an extra margin of power to be certain the gate works in adverse conditions. Some manufacturers 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.

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

\*\*\*The actual number of gate cycles available from battery depends upon gate resistance to travel, cycle length, battery size, state of charge and health, ambient temperature, accessory power draw and frequency of gate cycles during power outage.

<b>Standard</b>	<b>SwingSmart CNX 20</b>
<b>Solar</b>	Solar ready for 12 - 36V
<b>Gate Specs</b>	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
<b>Open/Close Time</b>	Open/Close time set independently. Adjustable 10 to 15 seconds.
<b>Duty Cycle</b>	Continuous
<b>Drive</b>	Electromechanical - 24V Brushless DC motor with direct drive power train
<b>Horsepower</b>	Equivalent to 1/2 hp
<b>UPS Battery Backup Cycles*</b>	Field configurable to fail open or secure when batteries deplete. Standard battery backup gate cycles: Two 12V 8Ah batteries. Up to 300 cycles after AC power loss. Extended battery backup gate cycles: Two 12V 35Ah batteries. Up to 1,000 cycles after AC power loss.
<b>Temperature Rating</b>	-13° to 158° F (-25° to 70° C)
<b>Operating Voltage</b>	24VDC
<b>Input Voltage</b>	Switch select 115V or 208-230V, 60/50 Hz; Solar input 12 or 24V solar panels
<b>Accessory Power</b>	24VDC at each input & SS relay (1A accumulative)
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