

SmartCNX™



Capability meets simplicity



 HySecurity®
a Nice brand

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



SlideSmart CNX and **SwingSmart CNX** require professional installation

SmartCNX Installer Smartphone App

SmartCNX 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
- 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.





SMART

- SmartCNX 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



Cast steel arm with integral protection from pinch points

- 4 Hy5B™ vehicle detector slots
- USB port for software updates and log files
- Nice OXI receiver

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.
- 5 year warranty / 7 year single-family



Adjustable overload protection

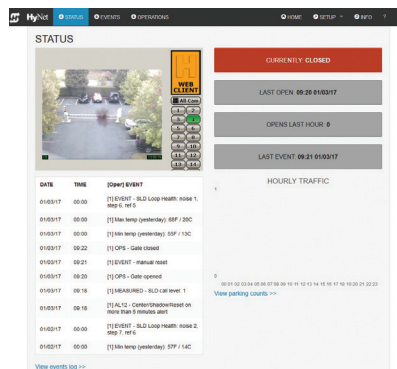


USB port for software updates and log files

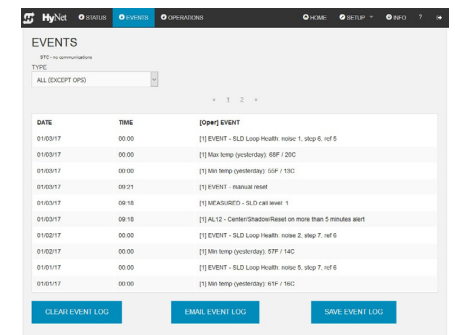
CONNECTED

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



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



Status Screen Monitor gate status and cycle counts

Specification table

Standard	SlideSmart CNX 15
Gate Weight Max.	1,500 lb (680 kg)
Gate Length Max.	50 ft (15 m)
Pull Force*	300 lb
Rate of Travel	0.75, 1 or 1.25 ft/s (23, 30 or 38 cm/s)** Open/Close speed set independently
Duty Cycle	Continuous
Horsepower	Equivalent to 1/2 hp
Drive	Electromechanical - 24V Brushless DC motor with direct drive gear 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 16,000 ft (5,486 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: 24V solar panels †
Accessory Power	24VDC at each input & SS relay (2A accumulative)
Communication	BlueBUS, USB, Ethernet, T4, RS-485, Bluetooth, OXI receiver
User Controls	SmartCNX™ Controller with 70+ configurable settings. 32 character OLED display and 7 tactile buttons, or Bluetooth smartphone interface, for programming.
Inputs	15 inputs including 5 control inputs, 2 dedicated entrapment sensor inputs, 3 user programmable inputs, a BlueBUS port, and 4 Hy5B vehicle detectors sockets. Optional SmartCNX™ I/O Expansion module for 8 additional user programmable inputs.
Relays	3 configurable user relays: Two 30VDC, 2A solid state. One 240VAC, 20A electromechanical; Optional SmartCNX I/O Expansion module for 8 additional relay outputs.
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) w/product registration

* 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.

** 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.

† 60 Watt minimum 24VDC solar panel (or two 12V - 30W panels wired in series), not included but required for solar operation. Visit hysecurity.com or call for information on solar panel size calculations.

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. Visit hysecurity.com/gatesafety for more information on UL 325 standards and gate safety.



Standard	SwingSmart CNX 20
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 speed set independently.
Duty Cycle	Continuous
Drive	Electromechanical - 24V Brushless DC motor with direct drive gear train
Horsepower	Equivalent to 1/2 hp
UPS Battery Backup Cycles*	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 1,200 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: 24V solar panels **
Accessory Power	24VDC at each input & SS relay (2A accumulative)
Communication	BlueBUS, USB, Ethernet, T4, RS-485, Bluetooth, OXI receiver
User Controls	SmartCNX™ Controller with 70+ configurable settings. 32 character OLED display and 7 tactile buttons or Bluetooth smartphone interface, for programming.
Inputs	15 inputs including 5 control inputs, 2 dedicated entrapment sensor inputs, 3 user programmable inputs, a BlueBUS port, and 4 Hy5B vehicle detectors sockets. Optional SmartCNX™ I/O Expansion module for 8 additional user programmable inputs.
Relays	3 configurable user relays: Two 30VDC, 2A solid state. One 240VAC, 20A electromechanical; Optional SmartCNX I/O Expansion module for 8 additional relay outputs.
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) w/product registration

* 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.

** 60 Watt minimum 24VDC solar panel (or two 12V - 30W panels wired in series), not included but required for solar operation. Visit hysecurity.com or call for information on solar panel size calculations.

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. Visit hysecurity.com/gatesafety for more information on UL 325 standards and gate safety.



SIMPLE. HySecurity strives for simplicity. Our products are easy to install, configure, maintain, troubleshoot and repair.

RELIABLE. HySecurity operators last decades under the harshest climates and conditions.

SECURE. HySecurity is the most used operator on critical infrastructure sites worldwide.



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