

# SwingSmart™ CNX

## The industry's smartest swing gate operator

Swing gate operator with advanced controls and communications. Perfect for commercial or community sites with high traffic flow or increased monitoring needs.



## Features:



### Weight and length limit:

Move gate leaf up to 1,300 lbs.



### Advanced:

Brushless DC motor technology, solid state limit sensors, and direct drive power train for superior control.



### UPS:

Standard battery backup to keep gates moving up to 300 cycles after power loss.



### Programmable:

Over 70 user configurable settings to meet specific requirements.



### Connected:

Bluetooth connectivity for easy setup and HyNet technology for remote monitoring, management, and maintenance.



### Durable:

Patented Taper Clamp provides adjustable protection from high winds and gate strikes.



### Battery:

Intelligent charging system monitors battery condition to maximize battery life.



### Diagnostics:

Easy system troubleshooting with onboard event log.



### Adjustable:

Independent, field-adjustable open and close speeds.



### Made in USA:

Designed, tested and built within USA from globally sourced materials.



# SwingSmart CNX

## Residential and Commercial Applications



### Technical Specifications

|                           |  |
|---------------------------|--|
| Model                     | SwingSmart CNX 20  |
| Single or Twin            | Single leaf  |
| Duty Cycle                | Continuous   |
| Horsepower                | Equivalent to 1/2 hp   |
| Drive                     | Electromechanical - 24V Brushless DC motor with direct drive power train   |
| Open/Close Time           | Open/Close time set independently.   |
| Gate Length Max.          | 20 ft (6 m) each leaf  |
| Gate Weight Max.          | 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   |
| 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: 24V solar panels †  |
| Accessory Power           | 24VDC at each input & SS relay (2A accumulative)   |
| Included Accessories      | One Nice EPMA B through-beam photo eye with BlueBUS technology and two 8Ah batteries for backup power.   |
| 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 250VAC, 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.



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**Nice/HySecurity is an industry leader of automated gate and perimeter security solutions.**

*The HySecurity brand provides high-quality, ultra-reliable industrial gate operators and crash-rated, Hostile Vehicle Mitigation (HVM) vehicle barriers designed to secure and protect critical infrastructure and facilities worldwide.*

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