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SwingSmart™ 535

The industry's smartest swing gate operator

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

Residential and Commercial Applications

Weight limit Move gates up to 1,300 lbs.

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

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

Advanced New SmartBLDC Power Module uses advanced technology to maximize motor power, provide ultra-smooth starts and stops, and manage battery charging.

Adjustable Independent, field-adjustable open and close speeds.

Programmable SmartTouch 725 controllers offer over 70 user configurable settings to meet site specific requirements.



Diagnostics Easy system troubleshooting with onboard event log.

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



Works with
HySecurity
installer app.

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- 1 Integrated SmartTouch725.
- 2 Powerful, compact brushless DC motor.
- 3 Battery backup for up to 300 cycles after power loss.
- 4 Available I/O Expansion module with 8 additional relays and 8 additional user configurable inputs.



- 5 Cast steel arm with integral pinch point protection.
- 6 Close fitting, locking covers.
- 7 Upgrade to 35Ah batteries for solar applications.

SmartTouch™725

- Bluetooth connectivity for easy setup
- HyNet technology
- More than 70 user settings
- Configure everything wirelessly from a smartphone interface
- Built-in diagnostic and remote monitoring management and maintenance capabilities



TECHNICAL SPECIFICATIONS

Model	SwingSmart 535
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. Adjustable 10 to 15 sec.
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. Standard/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 EPMAB through-beam photo eye with BlueBUS technology and two 8Ah batteries for backup power.

Communication	BlueBUS, USB, Ethernet, RS-485, Bluetooth, OXI receiver.
User Controls	SmartTouch 725 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 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 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.

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



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