

# StrongArm<sup>®</sup>



**Power Door Products**

(914) 698-5083

[www.PowerDoorProducts.com](http://www.PowerDoorProducts.com)

## Reliable, low-maintenance multi-lane traffic control

The preferred solution for traffic control, proven through decades of reliable service.



## Features:



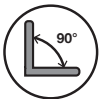
### Reach:

Raise barrier arms up to 36 ft long for broad vehicle access points.



### Fast:

Raise arm in as little as 2 seconds (depending on length) to keep traffic flowing.



### Clearance:

Rotates 90° to fully open arms up to 28 ft., allowing tall vehicles free access.



### Programmable:

Configurable to specific site requirements.



### Tough:

Secure steel chassis and tamper resistant cover



### Application:

Easy primary/secondary controls with HySecurity gate operators.



### Models:

DOT model with standard galvanized steel chassis and breakaway arm bracket.



### Visible:

14F features available lighted arm for nighttime visibility.



### Safe:

Available breakaway arm mount stops gate, protecting pedestrians, vehicles, and equipment.



### Made in USA:

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



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## Reliable, low maintenance multi-lane traffic control

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### Technical Specifications

Model	StrongArm 14F	StrongArm 14F UPS	StrongArm 20	StrongArm 20 UPS	StrongArm 28	StrongArm 28 UPS	StrongArm DOT 28	StrongArm DOT 28 UPS	StrongArm 36	StrongArm 36 UPS
<b>Arm Length Max.</b>	Up to 14 ft (4.3 m)		Up to 20 ft (6 m)* Side mount available for arms up to 18 ft (5.5 m)	Up to 20 ft (6 m)** Side mount available for arms up to 18 ft (5.5 m)	Up to 28 ft (8.5 m)*	Up to 28 ft (8.5 m)**	Up to 28 ft (8.5 m)		Up to 36 ft (11 m)*	Up to 36 ft (11 m)**
<b>Arm Design</b>	Side mount. Lighted aluminum arm with HyProtect™ breakaway arm bracket and kill switch, up to 14 ft (4.3 m)	Side mount. Aluminum oval arm with bumper, lights, HyProtect™ breakaway arm bracket & kill switch	Side mount - aluminum up to 18 ft (5.5 m), fiberglass up to 16 ft (5 m) or wood up to 14 ft (4.3 m). Center yoke mount - aluminum up to 20 ft (6 m)	Center yoke mount. Aluminum up to 24 ft (7 m), fiberglass up to 16 ft (5 m), or aluminum-fiberglass 26+ ft (8+ m)*	Center yoke mount. Aluminum up to 24 ft (7 m), fiberglass up to 16 ft (5 m), or aluminum-fiberglass 26+ ft (8+ m)**	Center yoke. Breakaway arm bracket. Aluminum arms up to 24 ft (7 m) or aluminum-fiberglass arms 26 and 28 ft (8 and 8.5 m) ***	Center yoke mount. Aluminum-fiberglass up to 36 ft (11 m)*	Center yoke mount. Aluminum-fiberglass up to 36 ft (11 m)**		
<b>Full Open Angle</b>	90°									
<b>Duty Cycle</b>	2,000 cycles/day*									
<b>Horsepower</b>	3/4 hp									
<b>Drive</b>	Hydraulic									
<b>Open/Close Time</b>	2 seconds to open; 3 seconds to close		3 seconds to open; 4 seconds to close		5 seconds to open; 6 seconds to close				8 seconds to open; 8 seconds to close	
<b>Handing</b>	Left or right		Left, right or center yoke		Center yoke					
<b>UPS Battery Backup Cycles</b>	StrongArm 14F UPS or optional 230V AC Power Supply w/ HyInverter AC™ **	DC Power Supply w/ HyCharger DC™ provides up to 300 cycles after an AC power loss.*	StrongArm 20 UPS or optional 230V AC Power Supply w/ HyInverter AC™	DC Power Supply w/ HyCharger DC™ provides up to 300 cycles after an AC power loss.*	StrongArm 28 UPS or optional 230V AC Power Supply w/ HyInverter AC™	DC Power Supply w/ HyCharger DC™ provides up to 300 cycles after an AC power loss.*	StrongArm DOT 28 UPS or optional 230V AC Power Supply w/ HyInverter AC™	DC Power Supply w/ HyCharger DC™ provides up to 300 cycles after an AC power loss.*	StrongArm 36 UPS or optional 230V AC Power Supply w/ HyInverter AC™	DC Power Supply w/ HyCharger DC™ provides up to 300 cycles after an AC power loss.*
<b>Temperature Rating</b>	-40° to 158° F (-40° to 70° C)									
<b>Single Phase Voltages</b>	115/208/230V 60Hz, 110/220 50Hz*	115V 60/50Hz, 23A ** or 208/230V 60/50Hz, 11.5A	115/208/230V 60Hz, 110/220V 50Hz**	115V 60/50Hz, 23A ** or 208/230V 60/50Hz, 11.5A	115/208/230V 60Hz, 110/220V 50Hz**	115V 60/50Hz, 23A ** or 208/230V 60/50Hz, 11.5A	115/208/230V 60 Hz, 110/220V 50 Hz †, 115/208/230V 60Hz, 110/220V 50Hz**	115V 60/50Hz, 23A ** or 208/230V 60/50Hz, 11.5A	115/208/230V 60Hz, 110/220V 50Hz**	115V 60/50Hz, 23A ** or 208/230V 60/50Hz, 11.5A
<b>Three Phase Voltages</b>	220/380V 50Hz †, 208/230/460V 60Hz, 220/380V 50Hz*	N/A	220/380V 50Hz †, 208/230/460V 60Hz, 220/380V 50Hz*	N/A	220/380V 50Hz †, 208/230/460V 60Hz, 220/380V 50Hz*	N/A	220/380V 50Hz †, 208/230/460V 60Hz, 220/380V 50Hz*	N/A	220/380V 50Hz †, 208/230/460V 60Hz, 220/380V 50Hz*	N/A
<b>Communication</b>	RS-232, RS-485									
<b>User Controls</b>	Smart Touch Controller with 70+ configurable settings. Smart Touch keypad and 32 character, OLED display or a PC using S.T.A.R.T. software.									
<b>Relays</b>	Three configurable user relays: one 30VDC, 3A solid state and two 250VAC, 10A electromechanical. Optional Hy8Relay™ for 8 additional relay outputs.									
<b>Enclosure</b>	N/A	DC Power Supply: Type 3R, 30w x 30h x 12d inch (76w x 76h x 30.5d cm)	N/A	DC Power Supply: Type 3R, 30w x 30h x 12d inch (76w x 76h x 30.5d cm)	N/A	DC Power Supply: Type 3R, 30w x 30h x 12d inch (76w x 76h x 30.5d cm)	N/A	DC Power Supply: Type 3R, 30w x 30h x 12d inch (76w x 76h x 30.5d cm)	N/A	DC Power Supply: Type 3R, 30w x 30h x 12d inch (76w x 76h x 30.5d cm)
<b>Finish</b>	Zinc plated with yellow powder coating						Hot dipped galvanized with stainless steel cover		Zinc plated with yellow powder coating	
<b>ETL Listed (UL 325)</b>	Usage Class I, II, III, IV									
<b>Warranty</b>	5 year									

\* The operator's normal duty cycle and the actual number of arm cycles available from battery depends upon arm length/weight, battery size, state of charge and health, ambient temperature, accessory power draw and frequency of arm cycles during power outage. \*\* Arms 20 ft (6 m) or longer require counterweights. \*\*\* Arms 30 ft (9 m) or longer require cable tensioner and arm stabilizer kit and additional counterweights. † Refer to Installed Options on pricing for all 50Hz voltages, which are special order. †† 115V DC Power Supply requires a 30A branch circuit. Choose voltage with care as chargers are not field convertible.



support.hysecurity.com

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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