

# StrongArm™

Wide openings

# 2,000 cycles/day

## Long life and long arms

Hydraulic traffic gate known for its reliable service life and arm long enough to control two lanes of traffic.



### Reach

Arms span of 10 to 36 ft



### Fast

Raise a 10 ft arm in only 2 seconds



### Clearance

Full 90° open on arms up to 28 ft for tall vehicle access



### UPS

Models retain full functionality during an AC power outage



### Programmable

Configurable to specific site requirements



### Dual or sequenced

Gate integration



### Easy

System troubleshooting with onboard event log



### Models

DOT model with standard galvanized steel chassis and breakaway arm bracket



### Visible

14 features available lighted arm for nighttime visibility



### Safe

Available breakaway arm mount stops gate, protecting pedestrians, vehicles, and equipments



5 year warranty



StrongArm 20

## Maintain security even after AC power loss

HySecurity UPS backup systems keep access control points alive and cycling after power loss.

### DC Power Supply with HyCharger™ DC

A powerful 50A three stage charger, custom built for continuous duty and long battery life. Provides up to 300 cycles UPS backup after an AC power loss.\* Available in single phase only.

AC Power Supply with HyInverter™ AC provides UPS battery backup for 208/230VAC single-phase barrier arms, providing up to 300 cycles after an AC power loss.\*



DC Power Supply with HyCharger™ DC



AC Power Supply with HyInverter™ AC

\*The operator's normal duty cycle and 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.





## Fast, with breakaway arm bracket



**StrongArm 14F** opens a 10 to 14 ft arm to 90° in just 2 seconds. Operator includes a lightweight oval aluminum arm with bumper and built-in lighting. If vehicle strikes arm, nylon bolts in the HyProtect breakaway arm bracket break, allowing arm to swing out

of the way. The kill switch stops arm motion, protecting pedestrians, property and operator.



## Very long arms from 10 - 36 ft



**StrongArm 36** raises a 36 ft arm in just 8 seconds. Ideal for airports, ferry terminals and other multi-lane applications.



## Department of Transportation



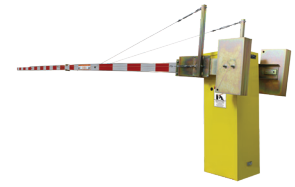
**StrongArmDOT 28** is designed specifically for DOT applications where safety, functionality, long-life, and very low maintenance are required.

StrongArmDOT features a breakaway arm bracket that shears bolts and disconnects

arm from bracket after being hit, preventing loose arm from inadvertently damaging an unsuspecting vehicle. Open arms up to 28 ft (8.5 m) in 5 seconds. Arm will remain vertical, at a full 90°, when held open. Operator comes standard with hot dipped galvanized steel chassis with stainless steel cover for superior anti-corrosion protection.



# Traffic Control



## 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.

## Optional Accessories - See website for complete list



Oval Aluminum Arm (10, 12, 14 ft)



Flashing Light Kit



Hy5B™ Vehicle Detector



Hy8Relay™ Module



Heater Kit



WITH GLOBAL MATERIALS



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.

support.hysecurity.com



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1129970258 Rev-A 01/2024 D1210