

# StrongArm®

## 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



### Applications:

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 with global materials



# StrongArm

## Parking and Traffic Control



powered by  
**SmartTouch**

### Technical Specifications

	FAST	STANDARD	LONGEST ARMS		DOT
<b>Model</b>	StrongArm 14F	StrongArm 20	StrongArm 28	StrongArm 36	StrongArmDOT 28
<b>Part #</b>	HTG 320-2 ST	HTG 320-3 ST	HTG 320-6 ST	HTG 320-8 ST	HTG 320-6 DOT ST
<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	5 seconds to open; 6 seconds to close
<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 28 ft (8.5 m)**	Up to 36 ft (11 m)***	Up to 28 ft (8.5 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 arm up to 18 ft (5.5 m), fiberglass arm up to 16 ft (5 m) or wood arm up to 14 ft (4.3 m). Center yoke mount, aluminum arm up to 20 ft (6 m)	Center yoke mount, aluminum arm up to 24 ft (7 m), fiberglass arm up to 16 ft (5 m), or aluminum-fiberglass arm 26+ ft (8+ m)	Center yoke mount, aluminum-fiberglass arm up to 36 ft (11 m)	Center yoke mount with breakaway arm bracket. Aluminum arms up to 24 ft (7 m) or aluminum-fiberglass arms 26 and 28 ft (8 and 8.5 m)
<b>Full Open Angle</b>	90°; Arm will remain vertical when held open.			Adjustable 86° ± 2°	90°; Arm will remain vertical when held open.
<b>Temperature Rating</b>	-40° to 158° F (-40° to 70° C)				
<b>1 Phase Power</b>	115/208/230V 60 Hz, 110/220V 50 Hz †				
<b>3 Phase Power</b>	208/230/460V 60 Hz, 220/380V 50 Hz †				
<b>Communication</b>	RS-232, RS-485, Ethernet/fiber using optional HyNet™ Gateway accessory				
<b>User Controls</b>	Smart Touch Controller with 70+ configurable settings, programmed via the keypad and display or a PC using S.T.A.R.T. software.				
<b>Relay</b>	Three configurable user relays: one 30VDC, 3A solid state and two 250VAC, 10A electromechanical; Optional Hy8Relay™ for 8 additional relay outputs				
<b>Finish</b>	Zinc plated with yellow powder coating				Hot dipped galvanized with stainless steel cover
<b>ETL Listed (UL 325)</b>	Usage Class I, II, III, IV				
<b>Warranty</b>	5 year w/product registration				

### UPS Battery Backup Power Options

<b>DC Power Supply* †† with HyCharger DC</b>	StrongArm 14F UPS	StrongArm 20 UPS	StrongArm 28 UPS	StrongArm 36 UPS	StrongArmDOT 28 UPS
<b>AC Power Supply with HyInverter AC*</b>	StrongArm 14F with HyInverter AC	StrongArm 20 with HyInverter AC	StrongArm 28 with HyInverter AC	StrongArm 36 with HyInverter AC	StrongArmDOT 28 with HyInverter AC

\* 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

HyNet™ Gateway Integration

Heater Kit