



# StrongArm™



## Barrier Arm Operator

Ultra reliable • 2,000 per day cycles • Heavy arms • Wide openings • Low maintenance

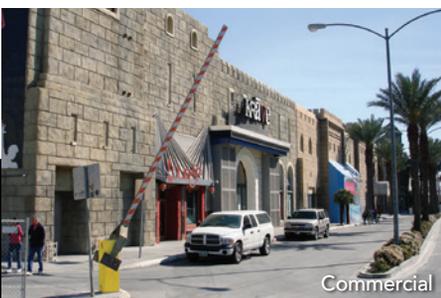
- **Very long arms**, from 10 to 36 feet (3 to 11 meters)
- **Open speed, 2 to 8 seconds** depending on arm length
- **Heavy duty, secure chassis** with environmentally safe hydraulics
- **Gentle soft-start and stop** extends operator life
- **Easy multi-operator integration**
- **Full 90° open** prevents tall vehicles from clipping arm
- **Tested and listed by Intertek**, a nationally recognized testing lab. Visit [hysecurity.com](http://hysecurity.com) for more on the significance of UL 325 listing



Military

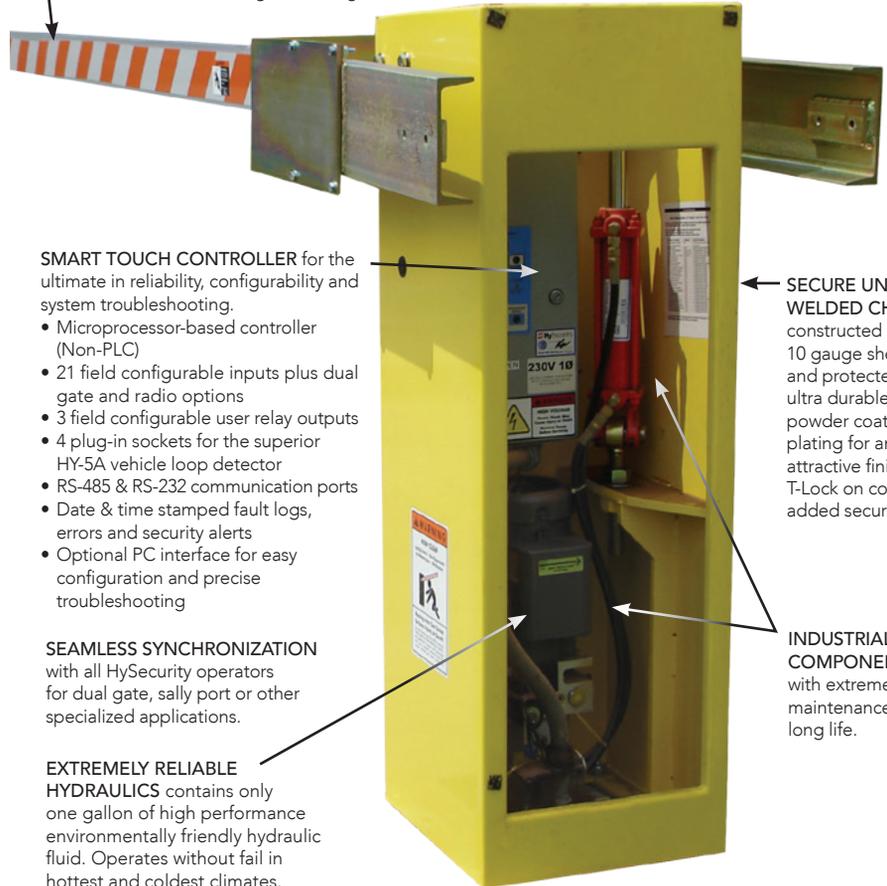


Aviation



Commercial

ARM OPTIONS: Wood, aluminum, fiberglass, or aluminum/fiberglass with side or center yoke mount and counterweights for long arms.



**SMART TOUCH CONTROLLER** for the ultimate in reliability, configurability and system troubleshooting.

- Microprocessor-based controller (Non-PLC)
- 21 field configurable inputs plus dual gate and radio options
- 3 field configurable user relay outputs
- 4 plug-in sockets for the superior HY-5A vehicle loop detector
- RS-485 & RS-232 communication ports
- Date & time stamped fault logs, errors and security alerts
- Optional PC interface for easy configuration and precise troubleshooting

**SEAMLESS SYNCHRONIZATION** with all HySecurity operators for dual gate, sally port or other specialized applications.

**EXTREMELY RELIABLE HYDRAULICS** contains only one gallon of high performance environmentally friendly hydraulic fluid. Operates without fail in hottest and coldest climates.

**SECURE UNI-BODY WELDED CHASSIS** constructed with rigid 10 gauge sheet metal and protected with ultra durable polyester powder coat over zinc plating for an enduring attractive finish. T-Lock on cover for added security.

**INDUSTRIAL GRADE COMPONENTS** with extremely low maintenance and ultra long life.



**StrongArm 14F**  
Up to 14 ft (4.3 m)  
Side mount  
2 seconds to open  
3 seconds to close



**StrongArm 20**  
Up to 20 ft (6 m)  
Side or center yoke  
3 seconds to open  
4 seconds to close



**StrongArm 28**  
Up to 28 ft (8.5 m)  
Center yoke  
5 seconds to open  
6 seconds to close



**StrongArm 36**  
Up to 36 ft (11 m)  
Center yoke  
8 seconds to open  
8 seconds to close

Visit [www.hysecurity.com](http://www.hysecurity.com)

For specifications, tech support, pictures and email subscriptions



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# Ultra Reliable High Security

Distributed by:



See the latest from HySecurity at [www.hysecurity.com](http://www.hysecurity.com)

**HySecurity operators** secure the world's critical infrastructure and key assets where ultimate reliability is vital. **StrongArm** delivers uncompromising quality to industrial customers worldwide, where ease of use, consistent operation, low maintenance, long life and high reliability is expected.

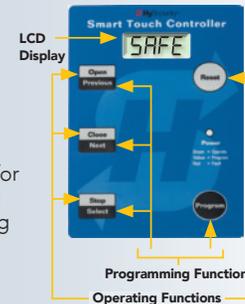
**SIMPLE.** HySecurity strives for simplicity. Easy to install. Easy to configure. Easy to maintain. Easy to troubleshoot and repair.

**RELIABLE.** HySecurity operators last decades under the harshest climactic and user conditions.

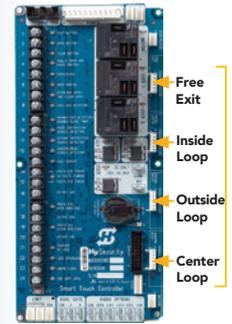
**SECURE.** HySecurity is the most used operator on critical infrastructure sites like nuclear power plants, high security government agencies, embassies, ports, airports, and much more.

## SMART TOUCH CONTROLLER AND S.T.A.R.T (Smart Touch Analyze & Retrieve Tool)

- Microprocessor-based controller (Non-PLC)
- 21 field configurable inputs
- 3 field configurable user relay outputs
- 4 plug-in HY-5A vehicle loop detector sockets
- RS-485 and RS-232 communication
- Date & time stamped fault logs, errors and security alerts
- Optional PC interface for easy configuration and precise troubleshooting using Smart Touch Analyze and Retrieve Tool (S.T.A.R.T.)



Smart Touch Controller Keypad



HY-5A Vehicle Detectors (up to 4) plug into sockets

Smart Touch Controller Board

## 8 StrongArm™ Models

|                      | FAST  | STANDARD  | LONGEST ARMS  |  |
|----------------------|---|---|---|--|
| Model                | StrongArm 14F   | StrongArm 20  | StrongArm 28  | StrongArm 36   |
| Part#                | HTG 320-2 ST  | HTG 320-3 ST  | HTG 320-6 ST  | HTG 320-8 ST   |
| Duty Cycle           | 2,000 cycles/day  |   |   |  |
| Horsepower           | 3/4 hp  |   |   |  |
| Open/Close Time      | 2 seconds to open;<br>3 seconds to close  | 3 seconds to open;<br>4 seconds to close  | 5 seconds to open;<br>6 seconds to close  | 8 seconds to open;<br>8 seconds to close               |
| Arm Length Capacity* | Up to 14 ft (4.3 m)   | Up to 20 ft (6 m) *<br>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)**                                   |
| Arm Designs          | Side mount.<br>Aluminum, fiberglass or wood up to 14 ft (4 m)   | Side or center yoke.<br>Aluminum, fiberglass up to 16 ft (5 m), or wood up to 14 ft (4 m) | Center yoke. Aluminum up to 24 ft (7 m), fiberglass up to 16 ft (5 m), or aluminum-fiberglass 26+ ft (8+ m) | Center yoke.<br>Aluminum-fiberglass up to 36 ft (11 m) |
| Temperature Rating   | -40° F to 158° F (-40° C to 70° C) using environmentally friendly Uniflow fluid or -10° F to 158° F (-23° C to 70° C) using biodegradable fluid. No heater necessary. |   |   |  |
| 1 Phase Power        | 115/208/230V 60 Hz, 110/220V 50 Hz  |   |   |  |
| 3 Phase Power        | 208/230/460/575V 60 Hz, 220/380V 50 Hz  |   |   |  |
| Communication        | RS-232, RS-485  |   |   |  |
| User Controls        | Smart Touch Controller with 70+ configurable settings.<br>Smart Touch keypad and display or a PC using S.T.A.R.T. software.   |   |   |  |
| Relays               | Three configurable user relays: one 30VDC, 3A solid state and two 250VAC, 10A electromechanical   |   |   |  |
| UL 325 Listing       | Usage Class I, II, III, IV  |   |   |  |
| Warranty             | 5 year  |   |   |  |

### UPS Backup Models

| UPS Backup Model | StrongArm 14F UPS | StrongArm 20 UPS | StrongArm 28 UPS | StrongArm 36 UPS |
|------------------|-------------------|------------------|------------------|------------------|
|------------------|-------------------|------------------|------------------|------------------|

\*Arms 20 ft or longer require counterweights. \*\*Arms 30 ft or longer require cable tensioner and arm stabilizer kit and additional counterweights.

**OPTIONAL ACCESSORIES:** HY-5A intelligent vehicle detectors, UPS battery backup, custom colors, arm light kit and heater. Compatible with most access control devices, safety, vehicle detection, and other accessories.

**SYSTEM DESIGN SUPPORT:** Contact HySecurity for CAD drawings, tech manuals, help with specialty site requirements or other specifications support. Download operator specifications online at [www.hysecurity.com](http://www.hysecurity.com) or call to speak with a HySecurity representative today.

