**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 for more on the significance of UL 325 listing

**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.

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

**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.

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Another HySecurity Innovation

Smart Touch Controller

**ALERT, REPORTING & BENEFITS**

**Security and breach reporting**
- Tailgate monitoring
- Gate open too long
- Unauthorized vehicle entry
- Gate forced open
- Vehicle loitering outside
- Trigger external cameras, floodlights, sirens, flashers

**Gate malfunction alert**
- Gate failure
- AC power failure
- Malfunction of vehicle detector or loop (requires HY-5A vehicle detector)

**Gate operation and alerts**
- Gate fully closed
- Gate fully opened
- Gate partially opened
- Gate external lock activation/deactivation
- Easy integration with other gate operators, as a sally port or dual gate system
- Easy installation configuration

**Safety**
- Warn before and/or during operation buzzer
- Turn on flashing lights before and/or during operation
- Actuate siren or flashing light before and/or during operation
- Safe mode: Gate edge or inherent entrapment sensor (IES) stops and reverses gate
- Entrapment mode: Two successive IES sensor activations (gate hits) requires manual operator reset

**Real time communication to site security system**
- Security breach or system operational malfunctions
- RS 485 port for network protocols or connections
- Ethernet available via converter
- Dry contact connection to one or more Smart Touch user relays

**S.T.A.R.T.**
Smart Touch Analyze and Retrieve Tool allows users to upload new operator software, download history or date and time stamped event logs, generate diagnostics, and program the operator.

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

**FEATURES AND BENEFITS:**
- Menu mode for installer and end user configuration
- Patented Anti-Tailgate mode
- Solid state and SPDT installer configurable relay outputs for many interface options
- Optional plug-in HY-5A vehicle detectors that can’t crosstalk
- USB and RS-232 for connection to laptop
- RS-485 (ethernet optional) communication for remote monitoring and control
- Unparalleled power surge/lightning strike protection
- Easy one wire input terminal connections and common wire buss
- Approved to the latest UL 991 and UL 325 standards
- Listed for use in all UL defined application classes (I – IV) depending on operator
StrongArm™ Gate System

Access controls at least six feet away from gate and operator

StrongArm gate system with some required and optional accessories.

8 StrongArm™ Models

<table>
<thead>
<tr>
<th>Model</th>
<th>FAST</th>
<th>STANDARD</th>
<th>LONGEST ARMS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Part#</td>
<td>HTG 320-2 ST</td>
<td>HTG 320-3 ST</td>
<td>HTG 320-6 ST</td>
</tr>
<tr>
<td>Duty Cycle</td>
<td>2,000 cycles/day</td>
<td>3/4 hp</td>
<td>3/4 hp</td>
</tr>
<tr>
<td>Horsepower</td>
<td>2 seconds to open; 3 seconds to close</td>
<td>4 seconds to close</td>
<td>6 seconds to close</td>
</tr>
<tr>
<td>Open/Close Time</td>
<td>2 seconds to open; 3 seconds to close</td>
<td>4 seconds to close</td>
<td>6 seconds to close</td>
</tr>
<tr>
<td>Arm Length Capacity*</td>
<td>Up to 14 ft (4.3 m)</td>
<td>Side mount available for arms up to 18 ft (5.5 m)</td>
<td>Up to 28 ft (8.5 m)*</td>
</tr>
<tr>
<td>Arm Design</td>
<td>Side mount. Aluminum, fiberglass up to 14 ft (4 m)</td>
<td>Side or center yoke. Aluminum, fiberglass up to 16 ft (5 m), or wood up to 14 ft (4 m)</td>
<td>Center yoke. Aluminum up to 24 ft (7.3 m), fiberglass up to 16 ft (5 m), or aluminum-fiberglass 26+ ft (8+ m)</td>
</tr>
</tbody>
</table>

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.

UL 325 Listing
Usage Class I, II, III, IV

Warranty
5 year

OPTIONAL ACCESSORIES: HY-SA 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 or call to speak with a HySecurity representative today.