

# The 6500 Series Control Head

## The Solution to Your Security Needs

Controlled Access is proud to present the perfect solution to your security requirements. Certified as an ETL recognized component, the 6500 is our highly customizable modular control system. Whatever your security needs are, the 6500 Series Control Head is the solution.

### Mechanical Overview:

- Auto indexing to home position (self centering)
- Adjustable hydraulic shock suppression
- Permanently lubricated sealed bearings
- Oil impregnated bronze bushings
- Hardened steel locking bars, cams, and rollers
- Stainless steel pistons
- Cast aluminum housing
- Modular design, removable as an assembly for easy maintenance
- Backwards compatible – can be installed into most Controlled Access turnstiles, no matter how old

### Electronic Features:

- Bidirectional access control inputs
- Integrated fire alarm inputs
- Fail lock or fail open configurations (direction independent)
- Adjustable relock timers for swipes with no passage
- Adjustable swipe queue for quicker traffic flow
- Integrated "one shot" inputs for simplified access control integration
- Additional outputs for options integration
- Auto-selecting 100-240 VAC voltage input for easy international installation
- Text based user interface with on-board testing buttons
- Overvoltage / overcurrent protection adds resistance to electrical issues
- Expandable PLC allowing for solutions to customized applications

### Standard Configurations:

Every control head is built to order, with your choice of the following operations:

- Manual (free passage) in both directions
- Manual (free passage) in one direction, locked in the other direction
- Electronically controlled in one direction, manual (free passage) in the other direction
- Electronically controlled in one direction, locked in the other direction
- Electronically controlled in both directions

On power failure, each electronic direction will be configured in your choice of:

- Fail lock (also known as fail secure)
- Fail open (also known as fail safe)

### Options & Add-ons:

- Bidirectional key overrides
- Direction status indicator lights (daylight visible or LED graphic array)
- 8 digit key resettable digit counter with 7 year lithium battery
- Cold weather upgrade - insulated mainframe with thermostat controlled heater
- Contactless proximity sensor upgrade (replaces limit switches to relock unit)
- Home position switch for access control integration
- 12 Ah battery system (2x 12VDC batteries w/ 2amp 24VDC charger)
- Additional options available upon request

### Electrical Specifications:

Input Voltage: 100-240 VAC  
Input Current: 1.3 - .55 A  
Frequency: 50/60 Hz

Storage Temperature: -40 to 158°F  
Operating Temperature: -4 to 131°F  
(Cold weather package available)

Operating Voltage: 24VDC  
Operating Current: 1.2 A (typical)

#### Directional Inputs:

Normally open contact closure  
(Form C relay, 1 second pulse)

#### Fire Alarm Inputs:

Normally open contact closure  
(Form C relay, closed for duration)

 The 6500 Series Control Head is certified to conform to the following standards:  
UL 294, UL 325, UL Subject 2593,  
CAN/ULC S319 & CSA C22.2#247

 Controlled Access, Inc. is certified by Advantage International Registrar to be an ISO 9001:2015 company



## We're the #1 Choice of Top Architects, Security Pros and Engineers

For more than 30 years, Controlled Access has been the globally trusted name in pedestrian control equipment. Made in Ohio and shipped worldwide, we are the first choice of leading architects, facility managers, security consultants, and engineers. Whether your project requires high security full-height turnstiles, waist high units, or matching ADA accessible gates, Controlled Access is the secure choice. We're experienced in access control systems, from card readers to biometric scanning, to give you the power to control access.

