

Commercial Stand-Alone:  
Kaba Access Control  
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Winston Salem, North Carolina 27105  
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### **Product Guide Specification**

Specifier Notes: This product guide specification is written according to the Construction Specifications Institute (CSI) Format, including *MasterFormat* (1995 Edition), *SectionFormat*, and *PageFormat*, contained in the *CSI Manual of Practice*.

The section must be carefully reviewed and edited by the Architect to meet the requirements of the project and local building code. Coordinate this section with other specification sections and the drawings.

Delete all "Specifier Notes" when editing this section.

## **SECTION 08740**

### **ELECTRONIC ACCESS CONTROL SYSTEM**

Specifier Notes: This section covers the following Kaba Access Control access control system components:

"Solitaire 870" Stand-Alone Electronic Access Control System

Consult Kaba Access Control for assistance in editing this section for the specific application.

#### **PART 1 GENERAL**

##### **1.1 SECTION INCLUDES**

- A. Electronic access control system.

##### **1.2 RELATED SECTIONS**

Specifier Notes: Edit the following list as required for the project. List other sections with work directly related to the electronic access control system.

- A. Section 08710 - Door Hardware.
- B. Section 13700 - Security Access and Surveillance.
- C. Section 16100 - Wiring Methods.

### **1.3 REFERENCES**

Specifier Notes: List standards referenced in this section, complete with designations and titles. This article does not require compliance with standards, but is merely a listing of those used.

- A. ANSI/BHMA A156.2 - Bored and Preassembled Locks and Latches.
- B. ANSI/BHMA A156.13 - Locks and Latches, Mortise.

### **1.4 SYSTEM DESCRIPTION**

Specifier Notes: Prepare a system description for the specified electronic access control system components as required for the specific application.

- A.

### **1.5 SUBMITTALS**

- A. Comply with Section 01330 - Submittal Procedures.
- B. Product Data: Submit manufacturer's product data, including installation instructions.
- C. Operating and Maintenance Instructions: Submit manufacturer's operating and maintenance instructions.
- D. Warranty: Submit manufacturer's standard warranty.

### **1.6 QUALITY ASSURANCE**

- A. Manufacturer Qualifications:

Specifier Notes: Edit or delete the following manufacturer qualifications as required for the project.

1. Responsible for all components.
2. Continuously engaged in electronic access control system construction with a minimum of 10 years successful experience.
3. Able to demonstrate successful performance on comparable projects.
4. Responsible for system design, including:
  - a. Preparation of engineering and production documentation.

- b. Development of testing program and interpretation of test results.
- 5. Design and Manufacturing Process: ISO 9001 certified.
- 6. Capability of providing manufacturer-employed field service personnel for installation assistance as required.
- 7. Capability of providing 24-hour, 7 days per week technical service assistance through a toll free telephone number after acceptance of work by the Owner.
- 8. Capability of providing manufacturer-employed field service personnel for technical service and maintenance after acceptance of work by the Owner.

B. Installer Qualifications:

- 1. Trained in installation by manufacturer.
- 2. Approved by manufacturer.

Specifier Notes: Describe requirements for a meeting to coordinate the installation of the electronic access control system and to sequence related work. Delete this paragraph if not required.

- C. Preinstallation Meeting: Convene a preinstallation meeting [2] [ \_\_\_\_\_ ] weeks before start of installation of electronic access control system. Require attendance of parties directly affecting work of this section, including Contractor, Architect, installer, and manufacturer's representative. Review installation, field quality control, adjusting, demonstration, and coordination with other work.

## 1.7 DELIVERY, STORAGE, AND HANDLING

- A. Delivery: Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.
- B. Storage: Store materials indoors, in a clean, dry area in accordance with manufacturer's instructions.
- C. Handling: Protect materials and finishes during handling and installation to prevent damage.

## PART 2 PRODUCTS

### 2.1 MANUFACTURER

Specifier Notes: The following address is for technical and sales information - commercial stand-alone. Delete if not required.

- A. Kaba Access Control, 2941 Indiana Ave., Winston Salem, North Carolina 27105.  
Toll Free (800) 849-8324. Phone (336) 725-1331. Fax (336) 722-8814. Web  
Site [www.kaba-ilco.com](http://www.kaba-ilco.com)

Specifier Notes: Consult Kaba Access Control for assistance in specifying the required electronic access control system components for the specific application.

## 2.2 STAND-ALONE ELECTRONIC ACCESS CONTROL SYSTEM - SOLITAIRE 870

Specifier Notes: Consult Kaba Access Control for assistance in editing this article for the specific application.

- A. Stand-Alone Electronic Access Control System: Solitaire 870.
- B. Locks:
  - 1. Style: Swipe.

Specifier Notes: Specify lockset type and power.

- 2. Lockset Type: [Mortise, ANSI/BHMA A156.13, Grade 1] [Cylindrical, ANSI/BHMA A156.2, Grade 1].
- 3. Power: [4 standard AA alkaline batteries]
- 4. Operating Environment: -30 degrees F to 150 degrees F (-35 degrees C to 66 degrees C).
- 5. Lock Controller Board:
  - a. Users: 1,500.
- 6. The lock will be in locked mode when:
  - a. Deadbolt is projected from inside
  - b. User card is swiped to remove passage mode
  - c. User card is swiped to open the door and after 6 seconds the lock will return to the locked mode.
- 7. The lock will be in passage mode when:
  - a. Inside lever is depressed
- 8. Infrared communication with lock.
- 9. User card low-battery test.
- 10. High-security mechanical override key with audit. Drill points. [Removable core] [Best or Medeco adapter].
- 11. Lock Software: Capable of being upgraded in field, without taking lock off door.
- 12. Construction: Stainless steel parts, gaskets. Exterior and interior use.

Specifier Notes: Specify required finish and delete the other.

- 13. Finish: [Satin Chrome US26D/626] [Satin Brass US4/606].
- C. Certifications:
  - 1. Complete Assembly: Listed or labeled by a nationally recognized independent testing lab for use on labeled fire doors and frames.
  - 2. Rated: 20 minutes, 3 hours UL and ULC.
  - 3. Lock Controller Board: Conform to Federal and CE requirements for RF emissions.
  - 4. Locks: Supplied with American Disability Act (ADA) compliant lever.
- D. Audit Trail:
  - 1. Events: 1,000.
  - 2. Download and view directly at door.

3. Audit shall indicate door number, and full name and identification number of employee.
  4. Audit can be stored and printed at a later time.
- E. System Software:
1. Information: Encrypted in a proprietary (Ilco Unican) format.
  2. Initialization Cards: With both a factory and facility code, preventing encoding of unauthorized cards.
  3. Database Information: Master password protected.
  4. System Administrators: Maximum 15.
  5. Programmable Holidays: 18.
  6. Capacity:
    - a. Users: 10,000.
    - b. Locks: 6,000.
  7. Without use of a programmer or other such tool, locks shall be set to lock out all users and a lost or stolen user card can be replaced.
  8. Privacy Feature: Programmable privileged user, single card locks out all other nonprivileged users.
  9. All programming events in system can be audited.
- F. Cards:
1. ABA standard.
  2. Track 2.
  3. High coercivity.

## **PART 3 EXECUTION**

### **3.1 EXAMINATION**

- A. Examine areas to receive electronic access control system. Notify Architect if areas are not acceptable. Do not begin installation until unacceptable conditions have been corrected.

### **3.2 INSTALLATION**

- A. Install electronic access control system in accordance with manufacturer's instructions.
- B. Install system at locations as indicated on the [drawings] [Electronic Access Control System Schedule].
- C. Install door hardware as specified in Section 08710.
- D. Install electrical wiring to on-line system components as specified in Section 16100.
- E. Use manufacturer's supplied hardware.
- F. Replace defective or damaged components as directed by the Architect.

- G. Furnish to the Owner all required keys and keycards.

### **3.3 FIELD QUALITY CONTROL**

- A. Test completed installation to verify each component of electronic access control system is properly installed and operating.

### **3.4 ADJUSTING**

- A. Adjust electronic access control system as required to perform properly.
- B. Adjust locksets for smooth operation without binding.

### **3.5 CLEANING**

- A. Clean surfaces in accordance with manufacturer's instructions.
- B. Use cleaners approved by manufacturer, as some cleaners may damage keylok/keyreaders.
- C. Do not use abrasive cleaners.

Specifier Notes: The following is optional. Delete if not required.
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### **3.6 DEMONSTRATION**

- A. Provide a maximum of 2 consecutive days of on-site service by manufacturer.
  - 1. Demonstrate system to Owner's personnel.
  - 2. Train Owner's personnel in proper operation and maintenance

**END OF SECTION**