Commercial Stand-Alone:
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


**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**

## PART 1    GENERAL

### 1.1    SECTION INCLUDES

A.    Electronic access control system.

### 1.2    RELATED SECTIONS

A.    Section 08710 - Door Hardware.

B.    Section 13700 - Security Access and Surveillance.

C.    Section 16100 - Wiring Methods.

### 1.3    REFERENCES

A.    ANSI/BHMA A156.2 - Bored and Preassembled Locks and Latches.

B.    ANSI/BHMA A156.13 - Locks and Latches, Mortise.

### 1 .4    SYSTEM DESCRIPTION

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:

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.

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.

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 970

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

A.    Stand-Alone Electronic Access Control System:  Solitaire 970, open architecture software.
1.    System shall integrate an existing magnetic card system (usually an on-line system) into a stand-alone access control system, provided information on cards is ABA Track 2 format, ISO 9711-2 protocol.
2.    System shall use existing system magnetic cards or multimedia cards; Proximity or Wiegand format provided a magnetic strip is on card.
3.    Ilco operating system cards, initialization, programming, and master cards shall be created by Solitaire 970 software and shall be in Ilco Unican format.

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 AA batteries]
4.    Operating Environment:  -30 degrees F to 150 degrees F (-35 degrees C to 66 degrees C).
5.    Lock Controller Board:
a.    Users:  1,000.

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.  [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:  800.
   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. Programmable Vacation Blocks:  4.
   7. Capacity:
      a. Users:  40,000.
      b. Locks:  10,000.
   8. Without use of a programmer or other such tool, locks shall be set to lock out all users or a user can replace a lost or stolen user card without reprogramming lock.
   9. Privacy Feature:  Programmable privileged user, single card locks out all other nonprivileged users.

10. All programming events in system can be audited.

F. Cards:
   1. ABA standard.
   2. Track 2.
   3. User Cards:  High or low coercivity.
   4. Kaba Access Control System Cards:  Low 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.

**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**