ELECTRONIC KEYCARD
ACCESS LOCKS

Presented by
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YESTERDAY WAS MECHANICAL

- Manual Key Control
  - Pinning charts
  - Manual record keeping
  - Inventory of keyways
  - “DO NOT DUPLICATE”
  - Key cutting machine
  - Keys cut improperly
Today is Electronic

**Computerized Key Control**
- Electronic Database
- Automatic record keeping
- Inventory of keycards
- User name assigned to the keycard
- Keycard Encoder
- Keycard code verified when encoded
- New keycard recodes lock upon insertion
PRIMARY BENEFITS

- Lock is re-keyed upon insertion of new Keycard
- Stand alone battery power eliminates hard wiring
- Lower installation cost since there's no wires to pull
- Keycards are identified by NAME or NUMBER
- Memory keycards remember where they have been
- Control entry by assigning specific times
- Lock captures date, time, and ID of who entered
- Multiple levels of Master Keying available
- Permits mechanical key override using IC Cores
HISTORY

1970’s First battery powered locks arrive
- Used Optic Technology
- Punched hole cards
- Easily duplicated
- Small Microprocessor 8k
- 8 Keycard levels

1980’s First Magnetic Keycards arrive
- Magnetic Stripe eliminated keycard duplication
- Keycards became reusable
- Audit trail is added with 14 audits
- Relative time is added
- Keycard ID is added
- Microprocessor grows 32k
- 16 keycard levels
MORE HISTORY

- Microprocessor grows to 64K
- Audit trail grows to 40 audits
- Time parameters are added

1990’s
- Hardware becomes available to effectively secure most openings
- Microprocessor grows to 128K
- Audit trail grows to 250 audits
- LED Diagnostics is added
- Motors replace solenoids
STILL MORE HISTORY

- Exterior applications become standard
- Automatic deadbolt is introduced
- Smart Card technology arrives
- Memory Card Technology arrives

2000’s

- Expanded Memory arrives
  - Audit trail grows to over 5,000 audits
- Bi-directional communication arrives
- Systems interfacing becomes common place
- Windows Operating System replaces DOS
LOCK SPECIFICATIONS

- Mortise Lock
  - 1 inch “Automatic Deadbolt”
  - ANSI Grade 1 equals 800,000 cycles
  - UL Listed for 3 hours
  - Available with knobs and/or levers
  - 600 pound shearing point
    - Access is still denied
  - Accepts Interchangeable Core mortise cylinder
  - Available with 1 inch or 1¼ inch lock front
  - Selection of designs and finishes
SYSTEM SPECIFICATIONS

- Computer Selection
- User friendly Windows software
  - On-site Training
  - Factory Training
  - Interactive Training CD
- Keycard Encoders
  - Motorized
  - Insertion
  - Swipe
- Handheld Lock Programmer
- Emergency Lock Power Supply
- Electronic Lock
ELECTRONIC LOCK FEATURES

- 16 Levels allows for application specific design
- Timed access
  - Assigned onto the keycard
  - Assigned to the lock
- Keycard Identification
- Multiple Zones
- Multiple Masters
- Inhibit Keycards
- Electronic Lockout
- Limited Use Keycards
MORE FEATURES

- Emergency Keycard
- Dual Keycard ~ High Security
- Mechanical Key Override
  - Accepts Interchangeable Core Cylinders
- Auto Latch ~ Auto Unlatch
- LED Diagnostics
- Interface Capabilities
- Multi-Technology
  - Lock Accepts Magnetic Stripe Keycards
  - Lock Accepts Memory Keycards
  - Lock Accepts Smart Keycards
ANCILLARY HARDWARE

- Remote Controllers
  - Elevators
  - Narrow stile aluminum & glass doors
  - Power assisted doors

- Exit Devices
  - Rim Devices
  - Vertical Rod Devices

- Magnetic Locks
- Electric Strikes

- An Authorized Keycard can open all doors
ENDLESS APPLICATIONS

- Energy Control
- Wireless Bi-directional Communication
- Point of Sale
- Photo Identification
- Auto feed encoders
- System Interfacing
- Customer Service 365 ~ 7 ~ 24
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