

## Access Control

Reasons for Access Control Allow Access Provide 24/7 Security Management Tool Reduce Key Control Problems Reduce Cost Key Control Problems Affects all business and government No control of distributed keys Huge security risk - Stolen/missing keys = new locks and keys Very labor intensive and expensive Key Control Solutions Provide card access to all employees Each card is unique, assigned to user Absolute control Immediate information Easier to manage Reduce costs Allow Access&hellip; Problems Providing security to the building - Day vs. night - Various levels of security Authorized personnel - Time, day, entry and exit Doors must be locked and unlocked Key holder control Allow Access&hellip; Solutions All employees are issued a card Demonstrates confidence to employees Maintains control over usage - Time, day, schedule, etc. - By employee, department, visitor Cards are difficult to duplicate Provides flexibility with security - Secure when and where needed 24/7 Security Problems Key systems are not secure Employees must feel safe High cost for keys, locks, guards, etc. Risk of internal theft and fraud 24/7 Security Solutions Provide perimeter security Permit free movement of employees - Authorized access without supervisor key - Increase mobility of workers Reduce or eliminate guards Reduce opportunity for theft of fraud Application for Access Control Need to improve or upgrade security Companies with key control problems Real or potential security risks Need to provide greater security - Shift schedules - High employee turnover - Temporary Multiple levels of security - Executives, factory, R&D, Network closets, etc. Need to record or control usage - Charge for use, common conference room Companies offering flexible schedules Improve after hours security Need to automate security functions Access Control Basics Who, When, Where, What - Who uses the system - When they use the system - Where they use the system - What happened Access Control Components Controller - Multi-reader in a can - Single door keypad - All wire goes to this point Cards - Each user assigned a unique card - Usa parameters programmed in system - Bit formats Reader Technologies - Proximity (prox) - Magnetic Stripe - - Weigand - Radio (RF) - Multi-Technology - Biometric Ø Hand Ø Finger Ø Face Ø Voice Ø

Controlled Door  
 - Lock Ø Electric strike or magnetic lock - One or two readers - Door contact - Request to exit detector  
 Automatic door closer - Optional annunciator Magnetic Lock - Must release with fire alarm, power failure Ø Building secure in power failure - &ldquo;Push to Exit&rdquo; button with separate timer - Automatic release (15 second delay max.) Electronic Strike - Free exit device - Typically locked without power - Use a locksmith Access Function Features Access Levels Monitored Inputs Alarm Events Elevator Control Antipassback Mantrap Time and Attendance

Contact Go Electronics for a complete system overview and new system proposal. We can design a complete solution to secure and track your assets.