

Electronic Access Solutions



System Components

An optimum Electronic Access Solution (EAS) is comprised of three basic elements: an access control device, an intelligent electronic lock and remote monitoring. Together, these components provide a complete solution for electronic access.



System Benefits

Southco's Electronic Access Solutions are specifically designed for enclosure access, and seamlessly integrate with existing systems to provide a complete solution for physical security and access control. Our EAS products are designed to work together to provide a comprehensive, reliable system for electronic locking to help meet the following goals:



Remote monitoring and control



Enhanced user convenience



Improved industrial design



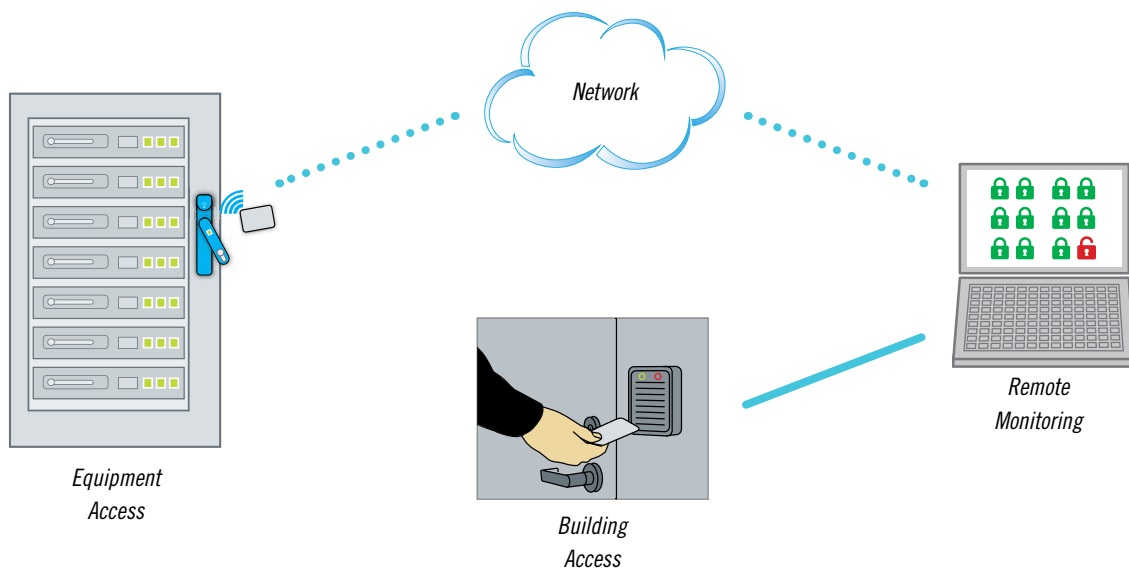
Elimination of key management issues



Compliance with industry regulations



Increased physical security



System Integration

From a simple switch to a more advanced software-based, wired or wireless networked access control system, Southco provides a range of integration options to meet your system requirements.

Self-Contained Solutions offer simple, drop-in installation and programming to provide access control and electronic locking in a single unit, without the need for wiring

Standalone Solutions offer basic plug-and-play access control without the need for software or network administration, but do not provide remote, networked monitoring and control

Integrated Solutions can be combined with building access control and monitoring systems to incorporate enclosure level access control into existing security systems

Independent Networked Solutions can be used to monitor and manage access across networks from a host computer for remote system configuration, access control and the monitoring of multiple access points

Access Control



Southco's electronic locking devices can be combined with existing access control systems or we can provide solutions for access control depending on the unique requirements of the application.



Smartphone based solutions combine all three

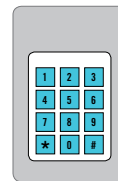


Something you have

Cards, badges or a key already used by the individual can be combined with existing building security systems to control access.

Something you know

Keypads offer a simplified method of limiting access to individuals based on something they know, namely a PIN or passcode.



Something that is you

Access control can be something as exclusive to the individual as a biometric identifier or even a cell phone – something that is uniquely “you”.



Intelligent Electronic

The electronic lock is the most critical component of an electronic access system, as the entire system is dependent upon the lock's function. There are several key factors to include when choosing an electronic lock.

Physical Application Requirements



Operating Load
How much load can the lock operate against mechanically?



Industrial Design
How important are aesthetics to the overall design?



Strength
How much load will the lock be required to withstand?



Environmental
Is the lock exposed to the elements such that it requires sealed electronics?



Operation
Is push-to-close functionality desired?



Security
Does the lock need to be concealed?

Relocking Options



Automatic Relocking

- Spring-loaded cam design allows a lightweight door to easily "pop open" when signal is received
- Immediately returns to the locked state and is ready to relock upon closing



Delayed Relocking

- Lock can be held in unlocked state as long as signal is present
- Allows a door to be opened and closed several times without needing to provide credentials at each instance
- Suitable for heavier doors that will not kick open easily or where remote lock/unlock manual door opening is preferred

R4-EM 5 and 7 Series
Reliable operation resistant to moisture and dust



H3-EM Electronic Locking Swinghandle
Integrated access control reader and lock for complete physical security

R4-EM 8 and 9 Series
Varying levels of integrated intelligence and functionality

EM-05 E-Keeper
Compact design works with existing mechanical latches for electronic access

SC Self-Contained
Access control device, electronic lock, electrical override and power supply in one unit

Locking Solutions

Status Feedback Requirements



Door Status

An integrated door sensor determines if the door is open or closed



Lock Status

Communicates whether the system is electronically locked or unlocked



Latch Status

A signal communicates if the lock is mechanically in the open or closed state

Electrical Requirements



Current Consumption

Southco's efficient locking solutions typically operate under 500mA and only during actuation

- Minimizes wiring
- Lowers control system costs
- Reduces power supply requirements



Voltage Regulation

Compatible with a range from 12 to 24 volts, the lock regulates the voltage provided for efficient operation



Integrated Intelligence

- Microprocessor control
- Lock status sensing
- Circuit protection



Manual Override

A manual override system can provide access in the event of a system power failure. Southco offers solutions for both mechanical or electrical override.



Security System Integration (SSI) Kit Integrates with existing building access control for equipment level security for remote monitoring and audit trail



R4-EM 4 and 6 Series

Compact, lightweight design for limited space applications

EM-10 E-Keeper

Versatile configuration to upgrade existing mechanical locks and can be orientated in any direction

Remote Monitoring

Monitoring

Electronic locks facilitate remote monitoring and can be networked with security systems to monitor and control access locally or remotely. Southco's Electronic Access Solutions allow you to:

- Grant access from a remote location
- Generate audit trail records of access attempts and door status
- Provide input to other automated systems

This information, together with additional security and environmental data, can be output to a variety of devices from simple indicator lights to networked, software-based remote monitoring systems.



Partners

Southco, along with our solutions providers, can provide end-to-end solutions for your application.



Data Security Compliance

Southco's Electronic Access Solutions provide a record of indisputable evidence that can be used to meet physical security requirements and demonstrate compliance with regulatory requirements such as:

- Payment Card Industry Data Security Standard (PCI DSS)
- Health Insurance Portability & Accountability Act (HIPAA)
- Sarbanes-Oxley (SOX)
- Federal Information Security Management Act (FISMA)
- Critical Infrastructure Protection Act (CIP)





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