

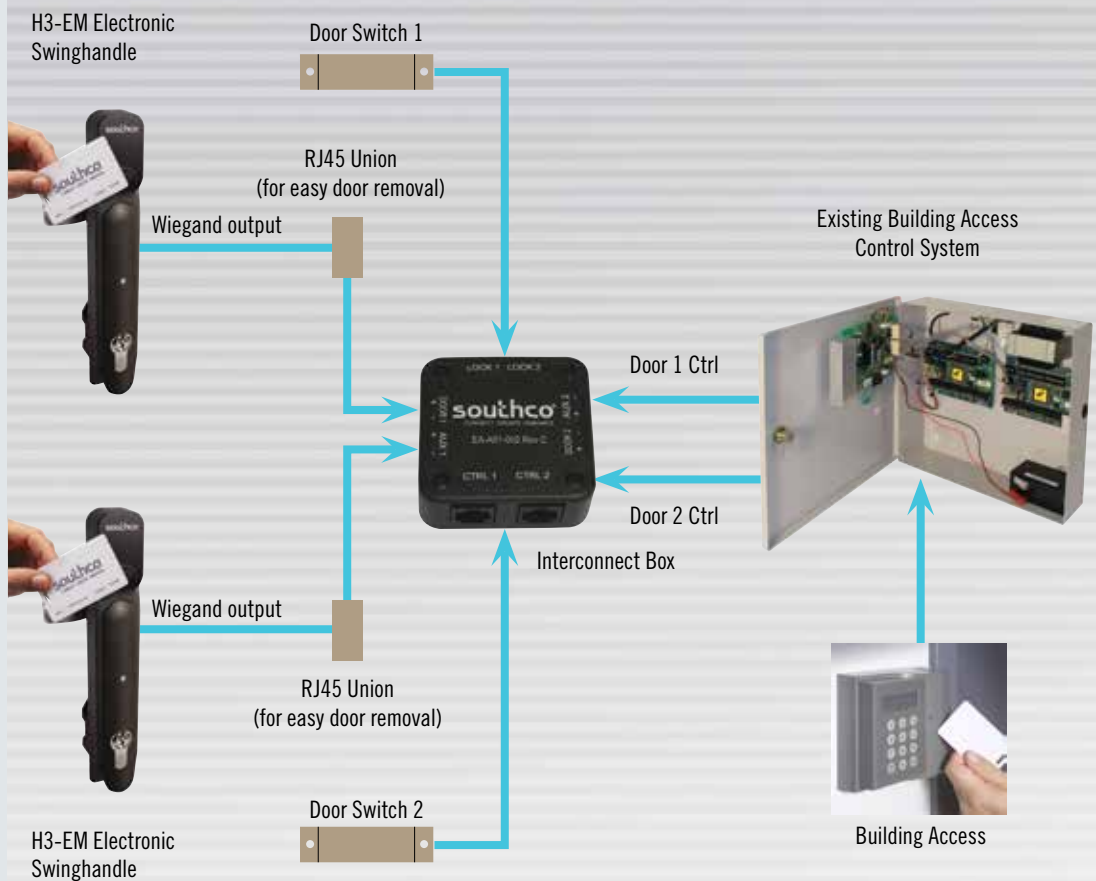
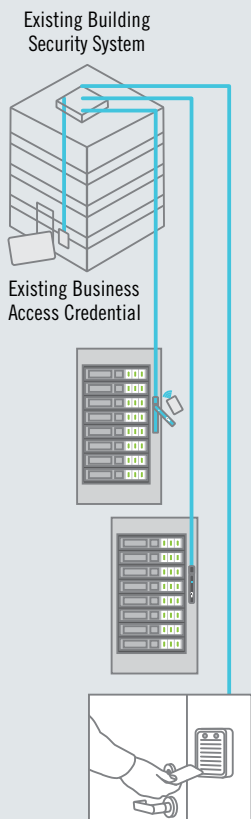


# Security System Integration Kit

## Electronic Access

- Simplifies wiring between data center racks and remote access control panels
- Connects Southco H3-EM Electronic Swinghandle to existing access control system
- Facilitates both remote control and monitoring of H3-EM Electronic Swinghandle
- Cabinet level cables, door switches, and connectors included in kit
- System integration using standard structured cabling

The EA-A01 Security System Integration Kit simplifies the cabling and connections necessary between Southco's H3-EM Electronic Swinghandle with integrated card reader, and any Wiegand based access control system. The Integration Kit provides a complete turnkey solution that offers a simple, cost effective way to control and monitor access at the rack level within the data center. When integrated with an existing access control system, the new Integration Kit facilitates complete remote control and monitoring from building and room access down to server door access, which demonstrates compliance with regulatory requirements such as HIPAA, HITECH, PCI DSS and Sarbanes-Oxley.

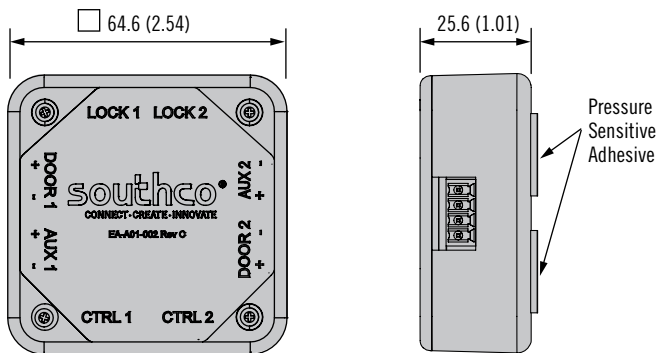
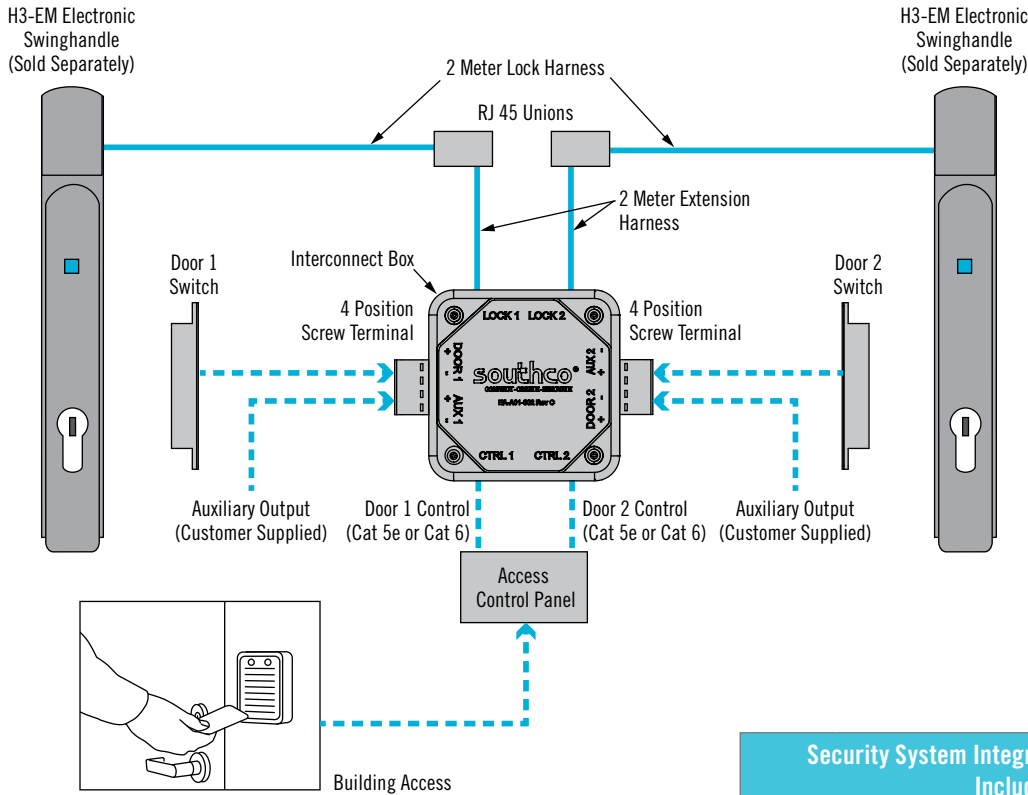


Dimensions in millimeters (inch) unless otherwise stated

# Security System Integration Kit

## Electronic Access

### Security System Integration Kit layout (Part Number EA-A01-102)



### Material and Finish

Housing: ABS, UL94-5VA

PCB: FR4

### Specifications

RoHS Compliant

Auxiliary and Door Switch Contacts not to exceed 0.4 A

Connects to any Wiegand based Access Control Panel







### Mounting

Interconnect Box supplied with pressure sensitive adhesive

\*Note: In system layout, solid lines shown represent Southco supplied wiring; dotted lines shown represent customer supplied wiring

See Southco Trade Drawing J-EA-A01-102 for additional wiring and pin out details

### Security System Integration Kit Part Number EA-A01-102 Includes the following:

Quantity	Description	
1	Interconnect Box	
2	RJ45 Union (For door removal)	
2	2 Meter Extension Harness (CAT 5e cable)	
2	2 Meter Lock Harness (Custom Southco Cable)	
2	4 Position Screw Terminal (For door switch and auxiliary output connection)	
2	Magnetic Door Switch (For sensing door status. Mount using supplied adhesive or screws.) Note: cable not included	
1	User Instructions (J-EA-A01-102-M)	

Dimensions in millimeters (inch) unless otherwise stated



# EA - Junction Box

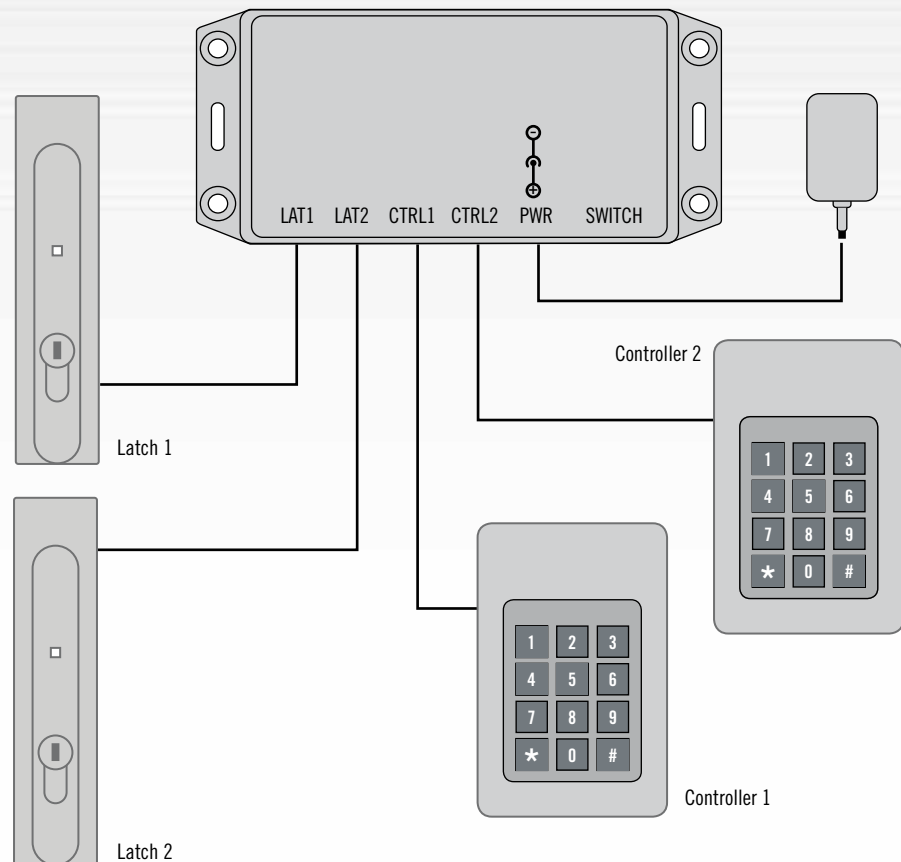
Electronic access

- Accommodates 2 access control devices and 2 electromechanical latches
- Labeled connections for simple setup
- Convenient centralized connection for system power
- Switches allow for any combination of access control to latch
- Use with any Southco access control to electromechanical latch combination
- Order Junction Box, cables and power supply separately

The Southco EA-A01 series Junction Box provides a convenient interconnect point for the components that make up a typical electronic access solution: the access control device, the electromechanical latch and the system power. The Junction Box provides a centralized interconnect to simplify cable routing and to provide for the optimum access to cable connectors. Use the Junction Box to operate up to 2 electromechanical latches via up to 2 access control devices. Switches allow for configuration of any access control device to electromechanical latch combination. Use with any combination of Southco access control device and electromechanical latch.



Junction Box EA-A01-001

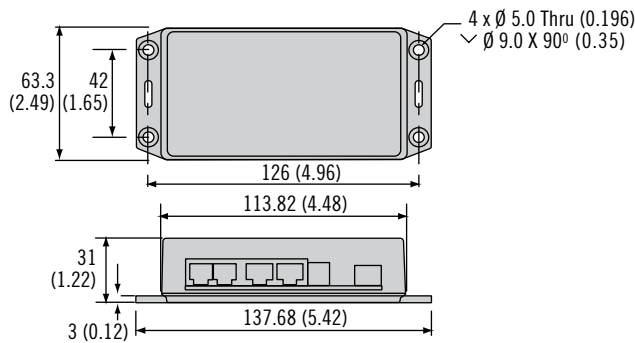


# EA - Junction Box

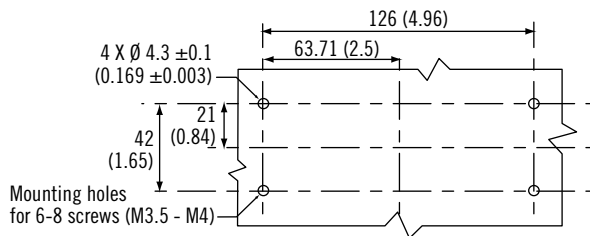
## Electronic access



Part Number
EA-A01-001



### Panel Preparation



### Accessories Listing

Part Number	Description	Function	
EA-W02-503-51*	5 Meter wire harness -RJ12 to Hirose 4 Pin DF11-4DS-2C	Connects Junction Box to EM-10-XX-XXX Electronic Keeper	
EA-W20-501-51*	5 Meter wire harness -RJ12 to Molex 43020-0601	Connects Junction Box to R4-EM-XX-XXX Electronic Rotary Latch	
EA-W01-500-51*	5 Meter wire harness -RJ12 to Hirose 6 Pin DF11-6DS-2C	Connects Junction Box to H3-EM-60-100 Electronic Swing Handle	
EA-W52-506*	5 Meter wire harness -RJ45 to stripped and tinned end	Connects Junction Box to Customer Application	
EA-W52-506-80*	5 Meter wire harness -RJ45 to JA connector A2506H-09	Connects Junction Box to EA-K1 and EA-P1 Series Access Controllers	
EA-A02-002**	Power supply with NA 2-Pin	Supplies Power to System	
EA-A02-002 & EA-A02-002-2	Power supply with EURO 2-Pin	Supplies Power to System	
EA-A02-002 & EA-A02-002-3	Power supply with UK 3-Pin	Supplies Power to System	
EA-A02-002 & EA-A02-002-4	Power supply with SAA 2-Pin	Supplies Power to System	

\*Contact Southco for custom lengths

\*\* EA-A02-002 comes with EA-A02-002-1 NA 2-PIN

Dimensions in millimeters (inch) unless otherwise stated

### Material and Finish

RoHS Compliant

housing: ABS

PCB: FR4

### Specifications

Operating Voltage: 12-24V

Max. Current: 1.5A

### Mating Connectors

LAT1 & LAT2: Plug, Modular, 6P6C (RJ12)

CTRL1 & CTRL2: Plug, Modular, 8P6C (RJ45)

PWR: Plug, Barrel, 2.1mm ID, 5.5mm OD

Individually Shipped in ESD Bag

### Connection Details

Recommended Mounting Hardware:

M3.5 - M4.5 (Do not over tighten)