ELECTRONIC ACCESS ROTARY LATCH





R4-EM ELECTRONIC ACCESS



The efficient DC gear motor The proven rotary mechadriven system releases the rotary cam under heavy loads with minimal power consumption.

convenience and a secure closure.

Convenient mechanical nism provides push-to-close over-ride feature for manual release in case of power failure. Contact Clancev for manual release cables and mounting brackets







The R4-EM Electronic Rotary Latch provides a simple, versatile electromechanical latch solution for a variety of applications. Add a 12-24 Volt DC power supply and any access control device to the R4-EM for a secure, concealed electronic access solution. The optional internal microswitch provides an output signal to remotely monitor latch status or control external systems.

- Auto re-lock and delayed re-lock version.
- Push-to-close, electronic release.
- Versatile rotary mechanism.
- **Concealed latching.**
- Microprocessor control.
- High strength.
- Minimal power draw.
- Simple mechanical over-ride.
- Optional internal microswitch for latch open/ close output signal.

R4EM PART NUMBER				
Туре	No Micro	switch**	With Microswitch**	
	With connector	Without connector	With connector	Without connector
1/4 - 20 Threaded mounting	R4-EM-X1-131	R4-EM-X1-132	R4-EM-X1-161	R4-EM-X1-162
M6 Threaded mounting	R4-EM-X2-131	R4-EM-X2-132	R4-EM-X2-161	R4-EM-X2-162
Ø 7.0 (.27) Thru hole mounting	R4-EM-X3-131	R4-EM-X3-132	R4-EM-X3-161	R4-EM-X3-162
STRIKER BOLT PART NUMBER				
Striker bolt	R4-90-121-10			

X=1 for Auto Re-lock version

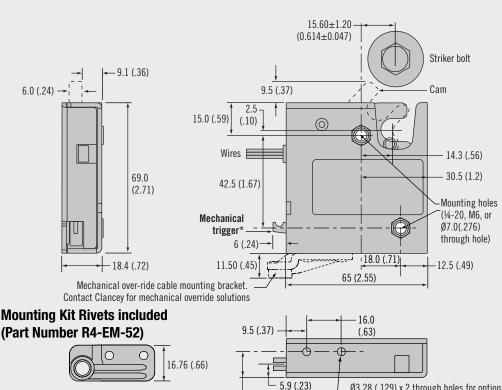
X=2 for Delayed Re-lock version Dimensions in millimeters (inch) unless otherwise stated

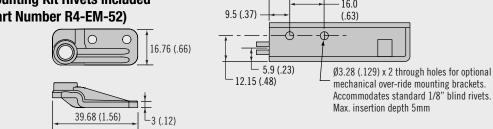


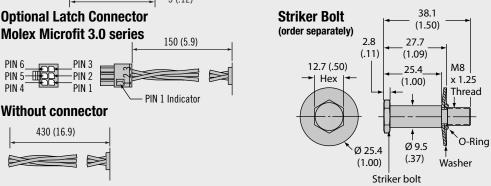


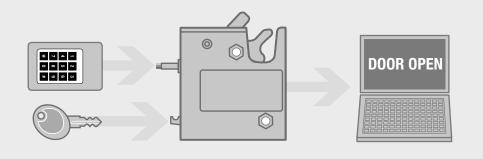


ELECTRONIC ACCESS ROTARY LATCH









Material & Finish

Mechanism Housing: Steel, zinc plated

Cam, trigger: Steel, zinc plated Springs: 300 Series stainless steel

Pins: Steel, zinc plated **Electronic Actuator:** Housing: PC/ABS Cam / follower: Acetal

Electrical Specifications

Recommended Operating Voltage: 12 to 24 Volt DC

Typical Operating Current (average at no load): Less then 600mA at 12 VDC Input Signal Current Draw: 25mA MAX at 24 VDC

**Optional microswitch closes upon latch closure

Microswitch Rating: 3A MAX at 12VDC

Wire Color Code / Connector Pin Assignment:

PIN 1: Brown: Ground (-)

PIN 2: Red: Power 8 to 26 Volts DC

PIN 3: Orange: Control Signal

8 to 26 Volts DC

PIN 4 Black: Microswitch Common

PIN 5 Blue: Microswitch N.O. Contact

PIN 6 Grey: Microswitch N.C. Contact

Wire Length: 150mm with connector, 430mm without connector

Contact Clancey for mate connector and wire harness

Notes

For mechanical release actuators and cables contact Clancey

Parts are shipped individually boxed. For bulk packaging add -1 to the end of the part number



ELECTRONIC ACCESS LIGHT DUTY ROTARY LATCH





R4-EM LIGHT DUTY ELECTRONIC ROTARY LATCH



The R4-EM Light Duty Electronic Rotary Latch provides a simple, versatile electromechanical latch solution for a variety of applications. Add a 12-24 Volt DC power supply and any access control device to the R4-EM for a secure, concealed electronic access solution. The optional internal microswitch provides an output signal to remotely monitor latch status or control external systems. The Light Duty R4-EM provides a 65% weight savings over the standard steel housing version.

- Auto re-lock and delayed re-lock version.
- Push-to-close, electronic release.
- Versatile rotary mechanism.
- Concealed latching.
- Microprocessor control.
- Minimal power draw.
- Simple mechanical over-ride.
- Optional internal microswitch for latch open/ close output signal.

R4EM PART NUMBER			
Туре	No Microswitch**	With Microswitch**	
	With connector	With connector	
Ø 5.5 (.22) Thru hole mounting	R4-EM-X3-131	R4-EM-X3-161	
M5 Threaded mounting	R4-EM-X4-131	R4-EM-X4-161	
10-24 Threaded mounting	R4-EM-X5-131	R4-EM-X5-161	
STRIKER BOLT PART NUMBER			
Striker bolt	R4-90-	511-20	

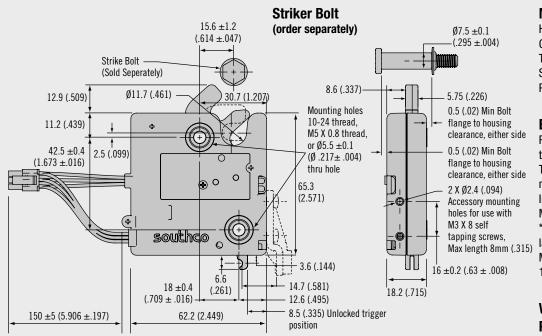
X=4 for Auto Re-lock version X=6 for Delayed Re-lock version Dimensions in millimeters (inch) unless otherwise stated



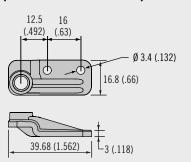




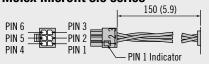
ELECTRONIC ACCESS LIGHT DUTY ROTARY LATCH

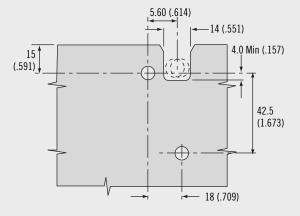


Mounting Kit Screws Included (Part Number R4-EM-72)

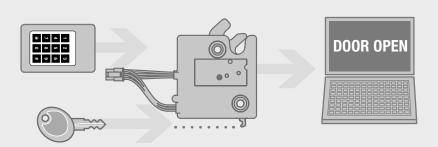


Latch Connector Molex Microfit 3.0 series





Available without connector with 430mm (16.9in) length wires (stripped and tinned). Contact Clancey for details.



Material & Finish

Housings: PC/ABS
Cam: Glass Filled Nylon
Trigger: PBT

Springs: Stainless Steel Pins: Steel, zinc plated

Electrical Specifications

Recommended Operating Voltage: 12 to 24 VDC

Typical Operating Current (average at no load): Less than 600mA at 12VDC Input Signal Current Draw: 25mA Max

**Optional microswitch closes upon latch closure

Microswitch Rating: 3A Max at 12 VDC

Wire Color Code / Connector Pin Assignment:

PIN 1: Brown: Ground (-)
PIN 2: Red: Power 8 to 26 Volts DC
PIN 3: Orange: Control Signal
8 to 12 Volts DC (Contact Clancey for
Higher Voltage Requirements)
PIN 4 Black: Microswitch Common
PIN 5 Blue: Microswitch N.O. Contact
PIN 6 Grey: Microswitch N.C. Contact

Wire Length: 150mm (5.90) with connector

Contact Clancey for mate connector and wire harness

Notes

For mechanical release actuators and cables contact Clancey

Parts are shipped individually boxed. For bulk packaging add -1 to the end of the part number (40 per box)



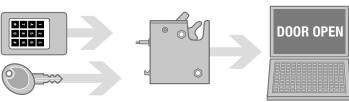
ELECTRONIC ACCESSOUTDOOR ELECTRONIC ROTARY LATCH





R4-EM OUTDOOR ELECTRONIC ROTARY LATCH





The R4-EM Electronic Rotary Latch with sealed actuator and plated-steel or stainless steel outer body construction provides a versatile electromechanical latch solution for outdoor and corrosive environments. Add a 12-24 Volt DC power supply and any access control device for a secure, concealed electronic access solution. The internal micro-switch options provide an output signal to remotely monitor latch status and control external systems.

- Push-to-close, electronic release.
- Versatile rotary mechanism.
- Motor actuator sealed against water and dust ingress to IP56.
- High strength plated-steel and stainless steel options.
- Concealed latching.
- Microprocessor control.
- Delayed re-lock functionality.
- Minimal power draw.
- Optional internal micro-switch for latch status.
- Simple mechanical over-ride.

Part Number Selection Trigger Style 🚤 **Connector Options** Delayed Relock, Side Trigger Non-sealed Connector R7 Delayed Relock, Rear Trigger No Connector (Stripped and Tinned) **Sealed Connector** ► P Packaging Options None Individually Packaged R4-EM - T B A - 1 S C -**Bulk Packaged** M Material Options Base Mounting Style ◀ 1/4-20 Threaded Mounting None Steel, Zinc-Nickel Plated M6 Threaded Mounting Stainless Steel, Passivated Thru Hole Mounting **Switch Options** No Switch None Light Cam Spring Single Switch (Cam Only) 2 Strong (Kick Out) Cam Spring

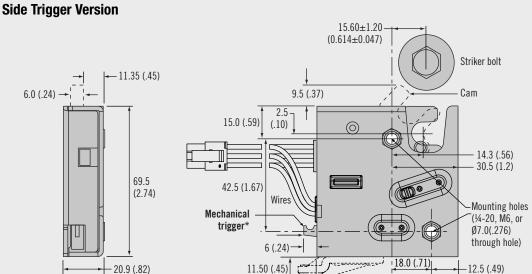






ELECTRONIC ACCESS

OUTDOOR ELECTRONIC ROTARY LATCH



Mechanical over-ride cable mounting bracket kit for side trigger latch (R4-EM-52). Contact Clancey for mechanical over-ride solutions

Material & Finish

Mechanism

Housing, Cam, Trigger, Pins: Zinc Nickel plated steel or stainless steel Springs: 300 Series stainless steel

Electronic Actuator Housing: PC/ABS

Bellows, Wire Seal: Silicone Perimeter Seal: Buna Cams: Acetal

Grommet: Santoprene

Electrical Specifications

Recommended Operating Voltage: 12 to 24 Volt DC

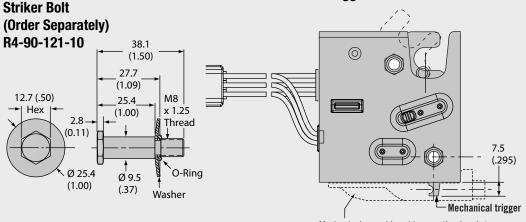
Typical Operating Current (average at no load): Less then 600mA at 12 VDC Input Signal Current Draw: 25mA MAX at 24 VDC

Micro-switch Rating: 3A MAX at

12VDC

Rear trigger Version

69.3 (2.73)



No Connector

Mechanical over-ride cable mounting bracket kit for rear trigger latch (R4-EM-87). Contact Clancey for mechanical over-ride solutions.

Wire Color Code / Connector Pin Assignment:

PIN 1: Brown: Ground (-)

PIN 2: Red: Power 12 to 24 Volts DC

PIN 3: Orange: Control Signal

12 to 24 Volts DC

PIN 4 Black: Microswitch Common

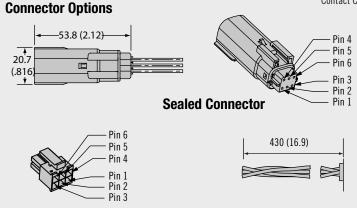
PIN 5 Blue: Microswitch N.O. Contact

PIN 6 Grey: Microswitch N.C. Contact

Contact Clancey for mate connector and wire harness options

Notes

For mechanical release actuators and cables contact Clancey



Non-sealed Connector

ELECTRONIC ACCESS MECHANICAL OVERRIDE SYSTEM



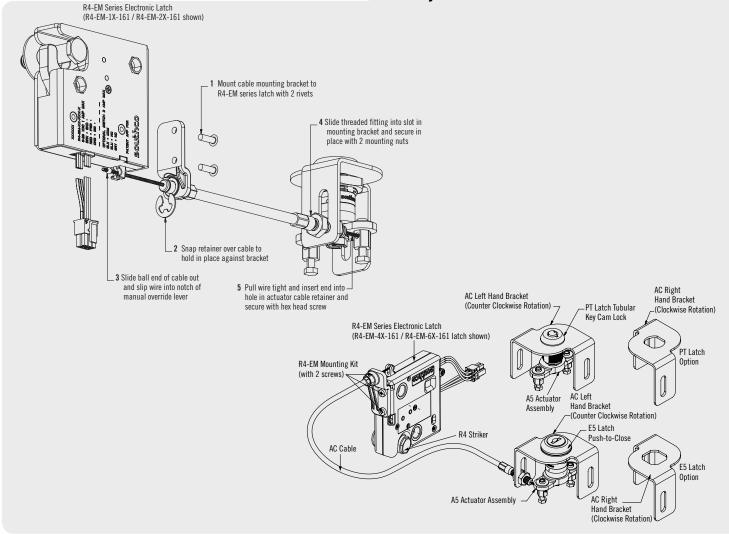


R4-EM MECHANICAL OVERRIDE SYSTEM



Southco now offers a standard solution for remote mechanical actuation of the R4-EM Electronic Rotary Latch. The cable based solution provides a simple means of mechanically releasing the electronic lock in the event of electrical power loss providing fully redundant access.

- Adapts to any standard Southco R4-EM Electronic Rotary Latch.
- Choose from flat key or tubular key cam latch for remote key lock.
- Simple installation with multiple adjustments and customized cable lengths to suit any application.
- Accommodates clockwise or counter clockwise key rotation for latch release.









ELECTRONIC ACCESSMECHANICAL OVERRIDE SYSTEM

AC CABLE ASSEMBLY

	DESCRIPTION	PART NUMBER		
	A5 Actuator	A5-99-136		
	AND			
E5 Latch Push-to-Close assembly See drawing J-E5-53-A	AC Cable Bracket (Clockwise Rotation)	AC-0-49617-11-R		
		0R		
	AC Cable Bracket (Counter Clockwise Rotation)	AC-0-49617-11-L		

How to Order

Step 1

Select mechanical override lock and corresponding AC actuator assembly and AC cable bracket



	DESCRIPTION	PART NUMBER	
	A5 Actuator	A5- 99 -157	
		AND	
PT Latch Tubular Key cam Lock See drawing J-PT-1	AC Cable Bracket (Clockwise Rotation)	AC-0-49618-11-R	
		0R	
	AC Cable Bracket (Counter Clockwise Rotation)	AC-0-49618-11-L	

Mechanical Cable See drawing J-AC-C AC-C0H0-4-LLLL-TTT AC-C0H0-4-LLLL-TTT LLLL - Length from behind ball end to end of cable TTT - Raw cable extension portion of LLLL length		AC-COHO-4-LLLL-TTT	end of cable TTT - Raw cable extension portion of	
--	--	--------------------	--	--

Step 2

Determine mechanical cable length required

Mechanical Override Bracket for R4-EM-1X and R4-EM-2X versions See drawing J-R4-EM-52	R4-EM-52	
Mechanical Override Bracket for R4-Em-4X and R4-EM-6X versions. See drawing J-R4-EM-72	R4-EM-72	

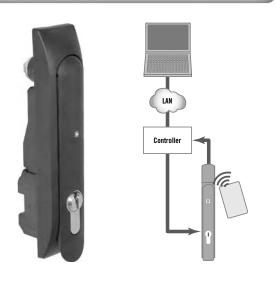
Step 3 Order mechanical over ride bracket (one per R4-EM latch)

ELECTRONIC ACCESS LOCKING SWINGHANDLE





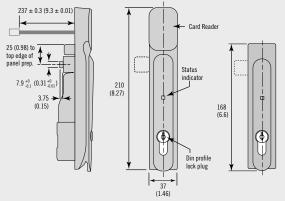
H3-EM ELECTRONIC LOCKING SWINGHANDLE



The H3-EM Electronic Locking Swinghandle provides intelligent electronic locking and monitoring capabilities with or without RFID card reader. The RFID module output can be connected to a standalone controller or to any networked access control system for remote control, monitoring and reporting.

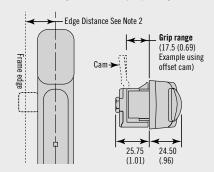
- Remote lock and unlock.
- Momentary or continuous lock actuation.
- Local monitoring with multi-color LED indicator.
- Lock status outputs provided for remote monitoring.
- Industry standard 25x150mm panel prep.
- Integral key lock for manual over-ride.
- Options for combined electronic lock and RFID card reader.
- Reader recognizes existing employee RFID cards.

Swinghandle with Card Reader



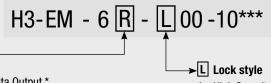
Edge Distance

For cam length of 38mm (1.5) - Edge Distance of 30mm (1.2) For cam length of 45mm (1.8) - Edge Distance of 37mm (1.5)



CAM PART NUMBER (ORDER SEPARATELY)			
Grip	Cam length (1) 38 (1.5)	Cam length (2) 45 (1.77)	
15.5 (.61)	E5-6710	-	
17.5 (.69)	E5-6711	-	
19.5 (.77)	E5-6712	E5-6112	
21.5 (.85)	E5-6713	E5-6113	
23.5 (.93) E5-6714 E5-6114			
Other additional offsets: (1) See Drawings J-E5-67-A & J-E5-67-B (2) See Drawings J-E5-61-A & J-E5-61-B			

Electronic Swinghandle Part Number Selection



- R Card Reader type ◀

 O Without Card Reader
- 7 MIFARE® Classic with Wiegand Data Output *
- 8 HID 125kHz RFID with Wiegand Data Output **
- 9 HID 125kHz RFID with RS232 Data Output **

1 High Security DIN Lock

2 Key Code CH-751

3 Key code RS001 (Multiple RS Key Codes Available)



Card Part Numbers

EA-C2-021-9 (HID 125kHz, 26bit, 1.8 (0.07) thick**

EA-C2-021 (HID 125kHz, 26 bit, 1.8 (0.07) thick, no logo)**

EA-C3-101-9 (MIFARE® Classic, 4B CSN, 0.8 (0.03) thick)*

EA-C3-101 (MIFARE® Classic, 4B CSN, 0.8 (0.03) thick, no logo)*

Contact Clancey for Custom Color/Logo Options

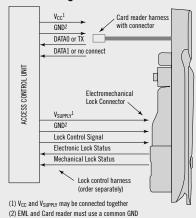






ELECTRONIC ACCESSLOCKING SWINGHANDLE

Connection Diagram



Connector Pin Assignment

Card Reader Module (Molex Micro Fit 3.0 Series)

PIN 1: Ground (Black wire)

PIN 2: Power (VCC) (Red wire)

PIN 3: DATA0 or TX (Green wire)

PIN 4: DATA1 or no connect (White wire)

* See latch operating instructions for specifics)

Pin 1 Pin 3 Pin 2 Pin 4

Electronic Swinghandle (Hirose DF11 Series)

PIN 1: Ground

PIN 2: Power (Vsupply)

PIN 3: Not Used

PIN 4: Control signal

PIN 5: Electronic lock status output

PIN 6: Mechanical lock status output

	h	
PIN 2		PIN 1
PIN 6		— PIN 5

	E METER WIDE HARNESSES (ORDER SERABATELY)	
5 METER WIRE HARNESSES (ORDER SEPARATELY)		
PART NUMBER DESCRIPTION		
EA-W01-500*	From Swinghandle to Stripped and Tinned End	
EA-W23-502*	From RS-232 Output Card Reader to Stripped and Tinned End	
EA-W23-503* From Wiegand Output Card Reader to Stripped and Tinned End		
EA-W23-503-83* From Wiegand Output Card Reader to EA-P1-01X (Pin/Prox Controller)		
EA-W01-23-507*	From Swinghandle and Card Reader to Stripped and Tinned End	
EA-W01-23-507-03*	From Swinghandle and Card Reader to Hirose 8-Pin Connector	
*Contact Clancey for other lengths		

Rod systems Rod Adapter Top mounting bracket Cam bolt Mounting screw 14 (.55) Connector 4 x Mounting screw 25 (1.00) Bottom mounting bracket Optional gearbox accessory



Actuator Plate

	ROD SYSTEM PART NUMBERS (ORDER SEPARATELY)*		
H3-61-55-33	Left Hand Gearbox (CCW to open)		
H3-61-56-33	H3-61-56-33 Right Hand Gearbox (CW to open)		
A5-92-201-31	Rod Adapter		
A5-90-101-11	Actuator Plate		

^{*} For multi-point systems, select either the right or left hand gear box part number and rod adaptor (2 per door) part numbers or the actuator plate part number from table, then contact Clancey for rod selection.

Material & Finish

Glass Filled Nylon, PC/ABS (UL94-V0) Shaft, rotation limiter: Die-cast zinc, bright sealer

Electronic Swinghandle

Recommended operating voltage: 12VDC to 24VDC

Typical operating current: Less than 200mA at 12VDC Peak / stall operating current: 1 Amp Standby current: 50mA Max Output Signal: 100mA Max load

Card Reader Module

Supply voltage: 12VDC to 24VDC Operating current: 60mA Max

To Order:

- 1 Select required Electronic Swinghandle part number using selection guide.
- 2 Select cam part number using cam part number table.
- 3 For multi-point applications, select optional gear box / rod adaptors or actuator plate.
- 4 Select optional wire harness.
- 5 Order cards as needed.

For standalone systems order Southco EA-P1-010 controller.

Contact Clancey for details on ordering networked systems.

Note:

***Remove '-10' for latch without Southco Logo



ELECTRONIC ACCESS

KEEPER



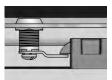


EM-10 ELECTRONIC KEEPER





ELECTRONIC ACTUATION EXAMPLE:



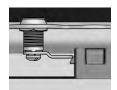




2 Electronic signal retracts latch bolt temporarily.

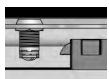


3 Open





MANUAL ACTUATION EXAMPLE:



Simply use key to rotate mechanical cam mechanism from behind latch bolt.

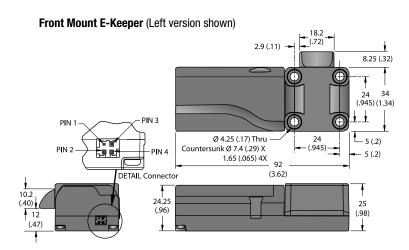
Key provides mechanical override in case of power loss.

Please contact one of our application specialists for assistance with this product.

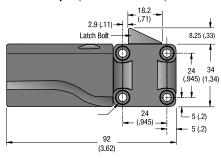
1-800-747-7405 www.clancey.com

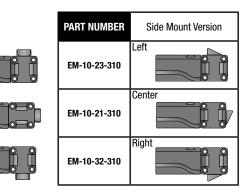
• Electronic keeper designed to work in conjunction with lockable mechanical latches.

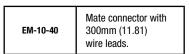
- Multiple configurations for design flexibility.
- Convenient installation.
- Secure performance.



Side Mount E-Keeper (Left version shown)













ELECTRONIC ACCESS KEEPER

- Simple transition from mechanical to electronic access
- "Push-to-close" convenience for any application retrofit or new installation.
- Front mount and side mount versions.
- Concealed latching.
- Microprocessor controlled gear motor.
- Minimal power draw.
- Simple mechanical override.
- Optional internal microswitch for latch open/close output signal.
- Wide operating voltage range (8-26 VDC).
- Accepts signals from any electronic actuation source
- Single or multi-point latching.
- . Works with a variety of door mounted mechanical latches.

Side Mount **Front Mount** 73.5 (2.89) Ø 4.3 Max Travel 10 (0.4) (0.17) thru 8mm (.315) 0 0 (0.69) (0.69)10 (0.4) 145 RFF (5.71) 15.5 (0.61) 2.75 2.75 (0.11)7.76 (0.31) 7.76 (0.31) 7mm (0.27) travel 7mm (0.27) travel - 5 (0.2) - 5 (0.2) 5.25 (0.21)-(0.21)Mechanical Override 13.5 (0.53 13.5 (0.53 12 (0.47) 12 (0 47) Ball End Cable Connector (Will accept \emptyset 1.6 \pm 0.15 (0.063 \pm 0.006) cable with ø4.78 + 0.13 **Latch Connector** (0.188 ± 0.005) ball) Molex Microfit 3.0 series PIN 6 PIN 5 PIN 2 PIN 1

MINIATURE ELECTRONIC KEEPER PART NUMBERS				
Туре	With Mechanical Override Without Mechanical Override		anical Override	
	With Switch	Without Switch	With Switch	Without Switch
Front Mount Latch Bolt	EM-05-11-111	EM-05-11-101*	EM-05-11-110	EM-05-11-100
Side Mount Latch Bolt	EM-05-21-111	EM-05-21-101*	EM-05-21-110	EM-05-21-100

PIN 1 Indicator

* For Mechanical Version of Side Mount Style order part number EM-05-21-001

(Mechanical version does not include drive motor or electronics)

EM-05 MINIATURE ELECTRONIC KEEPER



Material & Finish

Enclosure & Latch Bolt: Thermoplastic Housing Assembly Screws: Steel, Zinc Plate

Electrical Specifications

Recommended Operating Voltage: 12 - 24 VDC Typical Operating Current: Less than 600mA at 12 VDC

Control Input

Retracted Position: 12-24 VDC The latch bolt will remain retracted for as long as the signal is present or a minimum of 1 second. Input Signal Current: 25mA Max at

24 VDC

Extended Position: 0 VDC

Wire Color Code / Connector Pin Assignment:

PIN 1 Brown: Ground (-)

PIN 2 Red: Power 8 to 26 VDC

PIN 3 Orange: Control Signal 8 to 26

VDC

PIN 4 Black: Microswitch Common PIN 5 Blue: Microswitch N.O. Contact

PIN 6: None



^{*} For Mechanical Version of Front Mount Style order part number EM-05-11-001

ELECTRONIC ACCESSPROXIMITY READER



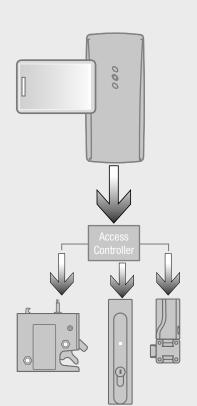


EA-P3 125KHZ PROXIMITY READER ELECTRONIC ACCESS



The new Southco EA-P3 Proximity Reader provides convenient, secure, non-contact access control in a compact easy to use design. The EA-P3 reads HID 125 kHz prox cards or tags and produces a standard 26 bit Wiegand output common to most access control systems. The reader can be combined with the Southco EA-P1 Pin/Prox reader for a complete access control system, or combined with any existing 26 bit Wiegand based access controller to add additional keyless entry points to existing security systems.

- Non-contact proximity based access control.
- Reads HID compatible 125kHz prox cards.
- Standard 26 bit Wiegand output.
- Integrated LED status indicator.
- · Compact, low profile design.
- Simple, 3 hole installation.
- Sealed weather resistant design.



Wire Harness Legend		
Wire Color	Function	
Red VCC (12VDC)		
Black	GND	
White	Data 1	
Green	Data 0	
Yellow GND		
Brown No Function		
Orange No Function		
Blue No Function		

Part Number Selection		
EA-P3-101-1 Proximity Reader (Gray Enclosure*)		
EA-C2-021	Proximity Card (No Logo*)	

^{*} Contact Clancey for Custom Color and Logo Options

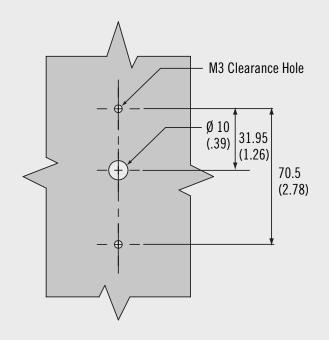






ELECTRONIC ACCESS PROXIMITY READER

Panel Preparation



Material & Finish

ABS Plastic

Electrical Specifications

Supply Voltage: 12VDC +/- 10% Operating Current: 60 mA MAX (No

Attached Devices)

Operating Temperature: -15 to 55 OC Operating Humidity: 20-90% RH, No

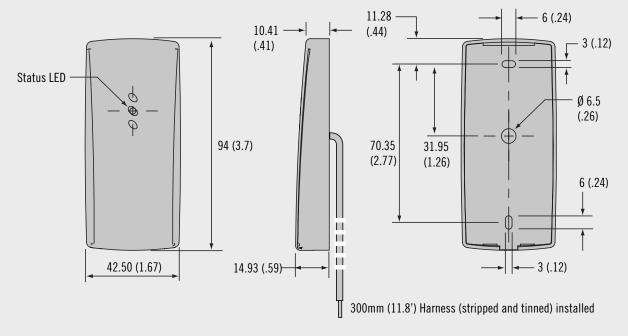
condensation

Transmit Frequency: 125kHz (FSK)

Read Range: Up to 10cm 26 Bit Wiegand Output

Reader will convert the user card ID

to 26 bit Wiegand format



ELECTRONIC ACCESSPIN/PROXIMITY READER



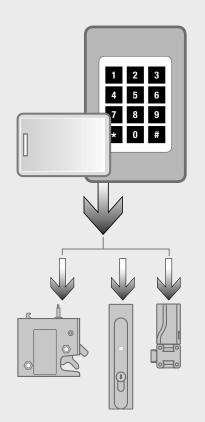


EA-P1 SERIES PIN/PROX ACCESS CONTROLLER



The self-contained PIN/Prox controllers provide basic PIN/Prox access control with the flexibility to use PIN only, Prox only, or both PIN and Prox for added convenience and security. Simply supply 12 volt DC power and connect the output to any SOUTHCO® electromechanical latch for a complete electronic access solution. Enter a valid PIN or present a programmed prox card to the controller to produce an actuation signal.

- Simple card/PIN programming.
- LED indicator and audible feedback for programming and lock status.
- Up to 9,999 cards per controller.
- Non-volatile memory retains data after power is removed.
- Programmable door release time and alarm time.
- For use with EA-C1 series prox cards.
- Custom color and logo options.



Additional Features

Lockout output provides alarm output after multiple failed access attempts, programmable from 1-99 attempts.

Tamper switch provides output if controller is removed from mounted surface.

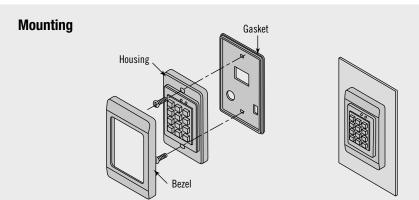
Auxiliary input allows for additional remote input signal to open lock for programmed time.





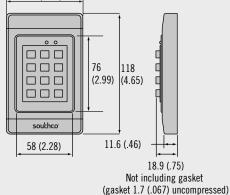


ELECTRONIC ACCESS PIN/PROXIMITY READER

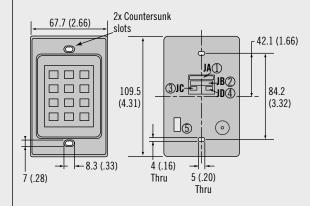


75 (2.95)

Bezel Attached

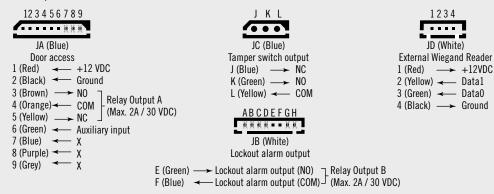






Connector Details

(Note: Mating connectors with approximately 160mm (6.3) of wiring, stripped and tinned provided with controller).



Material & Finish

Polycarbonate and ABS Plastic

Electrical Specifications

PIN Code Length:

Programmable 1 to 8 digits

Monitoring Inputs: Auxiliary, case tampering

Typical Maximum Read Range: 10cm (depending on installation)

Frequency of Operation: 125kHz (EM), others available upon request

Modes of Operation:

- * Card-only
- * PIN or card
- * PIN and card
- * Bypass

Power: 12 VDC 80mA in standby, 105mA working current (typical) Operating Temperature: 0-50 °C Operating Humidity: 20-90% RH, no condensation

Connectors:

Connector with approximately 160mm (6.3) of wiring, stripped and tinned provided with controller

- 1. JA Door access connector (blue 9-pin)
- 2. JB Lockout alarm connector (white 8-pin)
- 3. JC Tamper switch output connector (blue 3-pin)
- 4. JD Wiegand reader connector (white 4-pin)
- 5. Tamper switch





Proximity card: EA - C1 - 011 (contact Clancey for custom color and logo options)



ELECTRONIC ACCESSKEYPAD MEMBRANE





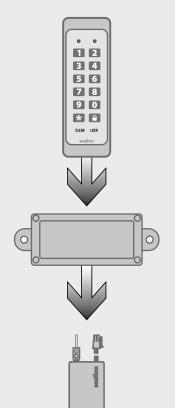
EA-KC2 SERIES MEMBRANE KEYPAD ACCESS CONTROLLER



The Membrane Keypad Access Controller simplifies access management with keyless entry in a self-contained unit. Designed to accommodate industrial equipment needs, the Membrane Keypad is easily customized and can be simply adhered to a door or frame. The remote controller can be mounted anywhere inside a cabinet and provides two outputs for independent control of two separate compartments. Flexible and easy to use, it can be customized to accommodate any look, shape or feel.

- Simplified, secure access management.
- Attractive, customizable membrane style keypad.
- Programmable to accommodate multiple access arrangements.
- Direct integration with electronic locks.
- Controls up to two compartments independently.
- Sleep mode for minimal power draw.
- Up to 120 user codes.
- LED indicators for keypad status & programming.

The Membrane Keypad benefits a variety of industrial applications





Self Service



Medical Storage



Server Racks

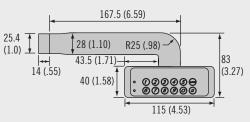




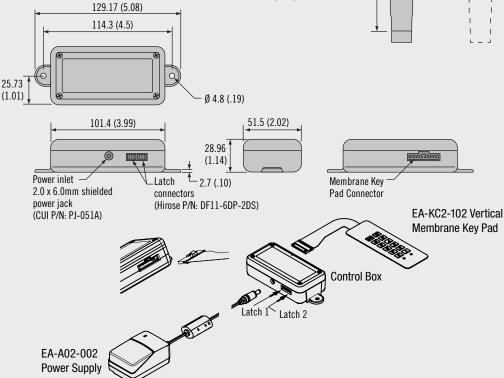


ELECTRONIC ACCESS KEYPAD MEMBRANE

Horizontal Key Pad Part Number EA-KC2-101



Controller Assembly Part Number EA-KC2-201



EA-W20-201-01* 2 Meter Wire Harness to Connect Membrane Controller to Miniature Electronic Keeper (EM-05-XX-XXX)and/or Electronic Rotary Latch (R4-EM-XX-XXX) 2 Meter Wire Harness to Connect Membrane Controller to Electronic Swing Handle(H3-EM-XX-XXX)

LATCH WIRE HARNESS OPTIONS

Description

2 Meter Wire Harness Stripped

and Tinned

*Contact Clancey For Custom Lengths

Part Number

EA-W01-200*

Vertical Key Pad Part Number EA-KC2-102, EA-KC2-103 & EA-KC2-104

KU2-1U4	88 (3.46)
115 (4.52) 20 (.79) 20 (.6.59) 35 (1.38)	R25 (.98) 7 2 3 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Material & Finish

Membrane Key Pads with Tactile Keys - Textured Polyester Film with PSA Tape for Mounting on Backside Controller Housing - ABS Controller Circuit Board - FR4

Electrical Specifications

Supply Voltage: 12-24 VDC Stand By Current: 30µA Operating Current: 10mA (Typical) MAX Total Output: 4 Amps (2 Amps per Output)

How to Order

- 1 Order one controller EA-KC2-201
- Order standard Southco membrane EA-KC2-101, EA-KC2-102, EA-KC2-103 & EA-KC2-104. Contact Southco for custom membrane keypad design.
- Order Southco Power Supply EA-A02-002 and select the appropriate plug adapter if needed.



Use latch wire harness options table to select cable to accommodate Southco EML



Plug Adapters

PART NUMBER	DESCRIPTION	FUNCTION
EA-A02-002**	Power Supply with NA 2-Pin	0 0
EA-A02-002 & EA-A02-002-2	Power Supply with Euro 2-Pin	
EA-A02-002 & EA-A02-002-3	Power Supply with UK 3 Pin	
EA-A02-002 & EA-A02-002-4	Power supply with SAA 2-Pin	

^{**}EA-A02-002-1 NA 2-PIN included with EA-A02-002 Power Supply.







EA-R01 RF CONTROLLER

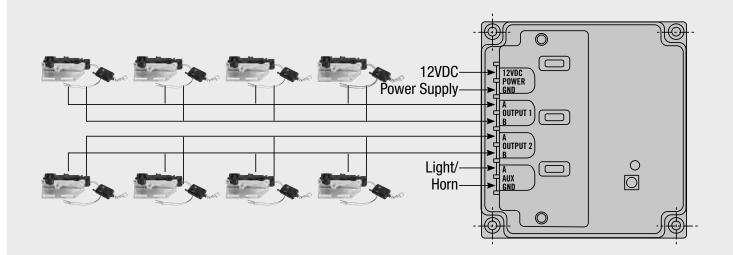


RF CONTROLLER KIT PART NUMBER: EA-R01

Includes 1 receiver (EA-R01-201) and 2 transmitters (EA-R01-101)

The EA-R01 series RF Controller provides peace of mind security with convenient and timesaving one touch remote locking and unlocking of multiple access points. With sealed electronics, high load capacity and simple installation, the controller is designed specifically for the environmental and storage needs of specialty vehicles, marine craft, recreational vehicles, off highway, and heavy duty trucks.

- Durable, water-proof construction.
- Dual sequenced output outputs minimize battery drain.
- Fused 30 Amp outputs accommodate multiple latches.
- Auxiliary light/horn output for visual/audible lock confirmation.
- Labeled connections for easy setup.
- Simple transmitter programming.
- Integrate with any Southco Electromechanical latch solution.



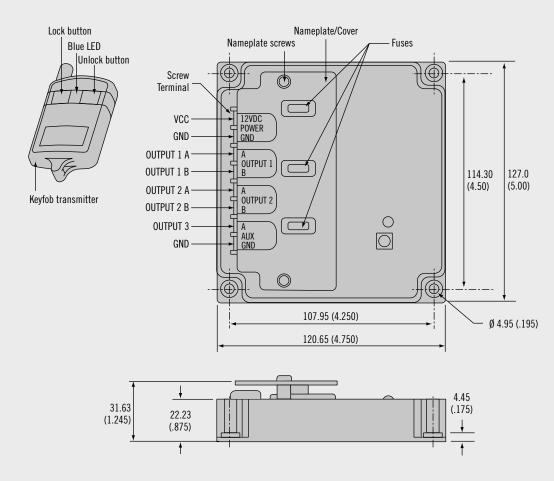






Transmitter

Receiver



Specifications

Receiver Power: 12VDC (± 25%)
Receiver Idle Current: <10mA
Receiver Operating Current:
<30A momentary
Receiver Outputs: Output 1 & 2: 30A
polarity reversing relays
Aux Output: 30A single pole relay

Operating Range:

up to 30.4m (100 ft)
Operating Frequency: 340MHz
Coding Type: Fixed Code
Enclosure Rating: IP67

Transmitter Power:

Type 23 12VDC battery Receiver output fuses 15A Littelfuse 297 Series Mini® Fast-Acting automotive blade fuse or equivalent.

Connection Details

All electrical connections are made via screw terminals accessible by removing 2 screws and name plate

Operation

Shipped with two pre-programmed transmitters

Press transmitter "UNLOCK" button Controller will produce a 12VDC pulse for 200ms on output 1 terminal A, followed by a 300ms pause followed by a 200ms 12VDC pulse on output 2, terminal A

After another 300ms pause, the controller will produce two 400ms pulses separated by a 200ms pause on the auxiliary light/horn output

Press transmitter "LOCK" button Controller will produce a 12VDC pulse for 200ms on output 1 terminal B, followed by a 300ms pause followed by a 200 ms 12VDC pulse on output 2, terminal B

After another 300ms pause, the controller will produce one 400ms pulse on the auxiliary light/horn output

Simple push-button learn feature with LED feedback for enrolling transmitters. Note: EA-R01 shipped with 2 pre-programmed transmitters

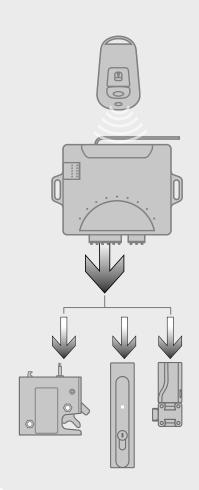






EA-RO2 RF REMOTE CONTROL SYSTEM



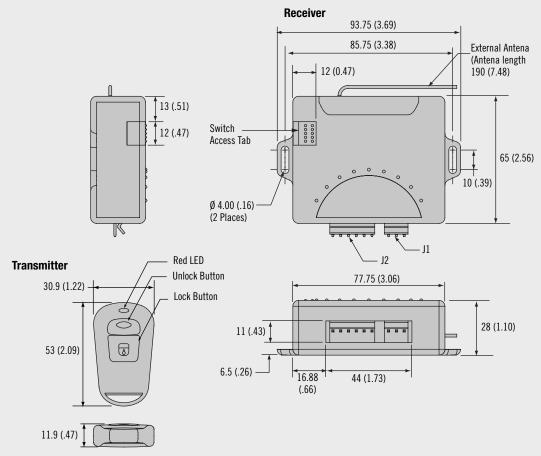


The new EA-R02 RF Remote Control System enables remote actuation of Southco electronic locks in a basic, economical package. The EA-R02 uses a palm-size radio frequency (RF) transmitter for remote locking and unlocking of electronic locks. The keyless system consists of a receiver, two key fob style transmitters and interconnecting wire harness. The unit provides precious peace of mind with the added security and convenience that mechanical keys cannot deliver. A simple push of a button can wirelessly control multiple locks for convenient remote control. Setup and installation are both quick and easy for a smooth transition from mechanical to electronic access.

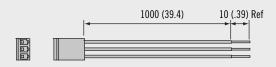
- Secure, convenient, wireless remote lock actuation.
- Quick installation and setup.
- Economical and compact package.
- Proven 433 MHz radio frequency technology.
- Up to 4 transmitters per receiver.
- 18 meter (60 feet) unobstructed open air operating range.
- · Auxiliary output for horn/light indicator output.





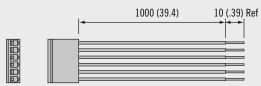


Power Supply and Auxiliary Output Wire Harness (J1)



PIN	WIRE COLOR	DESCRIPTION
1	RED	VCC (+12VDC Power Supply Input)
2	BLACK	GND (Ground)
3	YELLOW	Auxiliary Output (Vout = VCC)

LOCK & UNLOCK Relay Wire Harness (J2)



PIN	WIRE COLOR	DESCRIPTION
1	BLUE/BLACK	LOCK Relay – Normally Closed (typically connect to GND)
2	BLUE	LOCK Relay – Common (typically connect to latch)
3	BLUE/RED	LOCK Relay – Normally Open (typically connect to VCC)
4	GREEN/BLACK	UNLOCK Relay – Normally Closed (typically connect to GND)
5	GREEN	UNLOCK Relay – Common (typically connect to latch)
6	GREEN/RED	UNLOCK Relay – Normally Open (typically connect to VCC)

Material & Finish

ABS Plastic

Electrical SpecificationsReceiver Power: 12VDC (±10%)

Receiver Standby Current: 10mA
MAX, No Attached Devices
Receiver Operating Current: 100mA
MAX, No Attached Devices
Receiver Outputs: Three Form C
Relays, Rated 15A at 14VDC
Receiver Lock/Unlock Output Pulse
Duration: 250ms or 10 sec
(Selectable)
Receiver Operating Temperature:

Operation

-20 to 80 0C

Operating Range: Up to 60 Feet / 18 Meters (Open Air)

Operating Frequency: 433.92MHz Coding Type: Fixed Code (24-Bit) Transmitter Power: Type CR2016

3VDC Battery (Qty 2 per transmitter) Switch Access Tab Switch 1 - Used to enroll transmitters

Switch 2 - Used to set LOCK and UNLOCK pulse duration



Note:

Individual components can be ordered separately. Contact Clancey for information.

RF REMOTE CONTROL SYSTEM PART NUMBER: EA-R02

Includes 1 Receiver, 2 Keyfobs,
1 Pair Power/Auxiliary and Lock/Unlock Relay Connector Wire Harnesses and Operating Instructions



ELECTRONIC ACCESSCONTROLLER





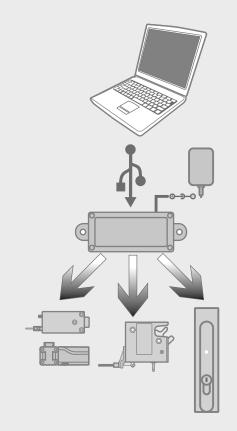
EA-A06 USB CONTROLLER



The USB Controller allows for the independent control of up to 14 different electrical devices from an existing computer. With a set of simple software commands, control and monitor connected devices via USB port. Output signals from connected locks can be captured for audit trail reporting.

- Allows computer controlled electro-mechanical latch operation via USB port.
- 14 Independent latch inputs / outputs.
- Simple programming commands / easy program interface.
- Integrate with any Southco electro-mechanical latch solution.
- Plug and Play.
- Labeled connections for easy set up.

The USB Controller benefits a variety of industrial applications





Medical



Self Service



Server Access

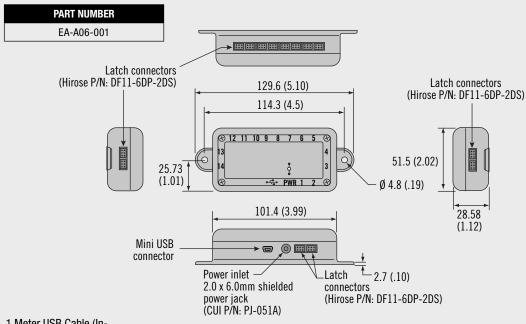






ELECTRONIC ACCESS CONTROLLER

Controller Assembly



1 Meter USB Cable (Included)



WIRE HARNESS OPTIONS		
Part Number	Length	Connects to
EA-W01-200*	2 Meters	Stripped and Tinned
EA-W20-201-01*	2 Meters	9
EA-W20-201-01*	2 Meters	
EA-W01-200-01*	2 Meters	
EA-W02-203-01*	2 Meters	-

*Contact Clancey For Custom Lengths

EA-A02-002 Power Supply



Plug Adapters

PART NUMBER	DESCRIPTION	FUNCTION
EA-A02-002**	Power Supply with NA 2-Pin	0 0
EA-A02-002 & EA-A02-002-2	Power Supply with Euro 2-Pin	
EA-A02-002 & EA-A02-002-3	Power Supply with UK 3 Pin	
EA-A02-002 & EA-A02-002-4	Power supply with SAA 2-Pin	

 $^{\star\star}\text{EA-A02-002-1}$ NA 2-PIN included with EA-A02-002 Power Supply.

Material & Finish

Controller Housing – ABS (UL94-5VA Flammability Rating)

Electrical Specifications

Operating Voltage: 12-24 VDC
Do Not Exceed Max Latch Voltage
Max Output Per Latch: 2 Amps

How to Order

- 1 Order one Controller with USB Cable: EA-A06-001
- Order Power Supply
 EA-A02-002 and select the
 appropriate plug adapter if
 needed



Use latch wire harness options table to select cable to accommodate electromechanical latches

