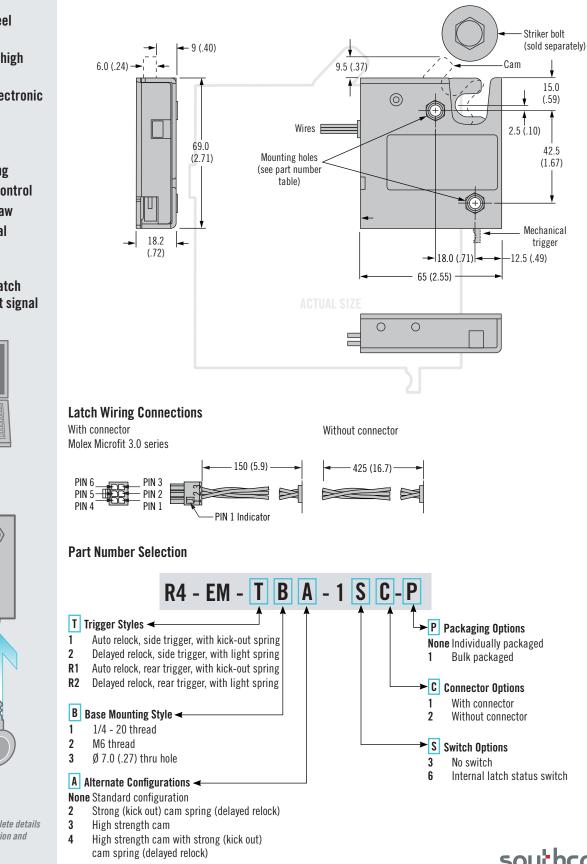


R4-EM 1 & 2 Series Electronic Rotary Latch

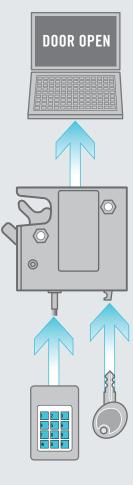
All-metal construction Electronic access with internal motor control



ONNECT - CREATE - INNO

Dimensions in millimeters (inch) unless otherwise stated

- High strength, steel construction
- Operates against high mechanical loads
- Push-to-close, electronic release
- Versatile rotary mechanism
- Concealed latching
- Microprocessor control
- Minimal power draw
- Simple mechanical override
- Optional internal microswitch for latch open/close output signal



Other options available. For complete details on variety, part numbers, installation and specification, go to



www.southco.com/R4-EM

32

12V

24V



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: Less** than 500mA at 12 VDC Peak/Stall Operating Current: 1 A Standby Current: 185uA Input Signal Current Draw: 25mA **Optional microswitch closes upon latch closure Microswitch Rating: 3A at 12VDC Maximum

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

Other options available. For complete details on variety, part numbers, installation and specification, go to







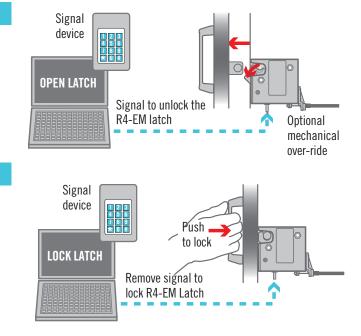


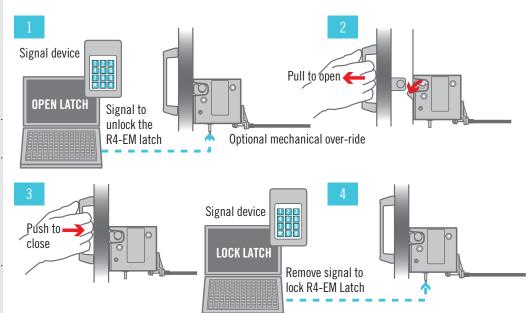
R4-EM Electronic Rotary Latch

Operating instructions

Operation - Auto relock

- The signal unlocks the R4-EM latch and releases the spring loaded cam which rotates out to push a lightweight door open. The mechanism will cycle through unlatched then relatched state automatically, regardless of input signal on time.
- 2. Push door closed to engage striker after unlock time has expired. Striker will rotate cam to closed position.







Operation - Delayed relock

- The signal unlocks the R4-EM latch leaving a biased closed door in the closed position. The unlock time is controlled by the access control device.
- 2. Manually pull door/striker free from R4-EM latch.
- Manually push door closed. Striker will rotate cam to closed position, however latch will remain unlocked and can be re-opened as long as signal is present.
- After accessing the door, the signal can be removed to re-lock the R4-EM. This can be done with the door in the open or closed position.

Other options available. For complete details on variety, part numbers, installation and specification, go to

INFO CLIC

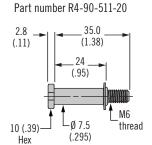
www.southco.com/R4-EM

R4-EM Electronic Rotary Latch Strikers - Cable mounting kits



Striker Bolt - Large Part number R4-90-121-10 R4-90-121-20 38 (1.5) - 28 (1.1) - 28 (1.1) - 4 (1.1) - 4 (1.5) - 28 (1.1) - 4 (1.5) -(1.

Cast Striker with Door Sensor Part number R4-90-804-10* Cast Striker without Door Sensor Part number R4-90-800-10*



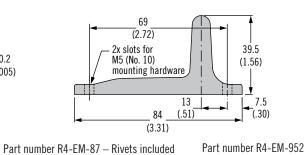
Striker Bolt - Small

Material and Finish

Striker bolts: Steel, zinc plated Cast strikers: Zinc alloy Cable mounting kits: Glass-filled nylon, black *Note: Latch and striker installation details can be found on the latch trade drawing at www.southco.com.

17.3 (.68) 2X R 0.5 (.02) 1.5 ±0.2 (.06 ±.005)

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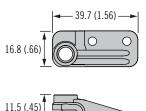


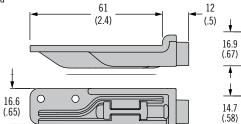
55.7

(2.19)

Cable Mounting Kit

Part number R4-EM-52 — Rivets included Part number R4-EM-72 — Screws included





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	Striker Bolt		Cast Striker		Cable Mounting Kit			
	R4-90-121-XX	R4-90-511-20	R4-90-800-10	R4-90-804-10	R4-EM-52	R4-EM-72	R4-EM-87	R4-EM-952
R4-EM-9	~		~	~				~
R4-EM-8	~		~	~				
R4-EM-5 & 7	~		~		~			
F4-EM-4 & 6		~				~		
R4-EM-1 & 2	~		~		V		V	



