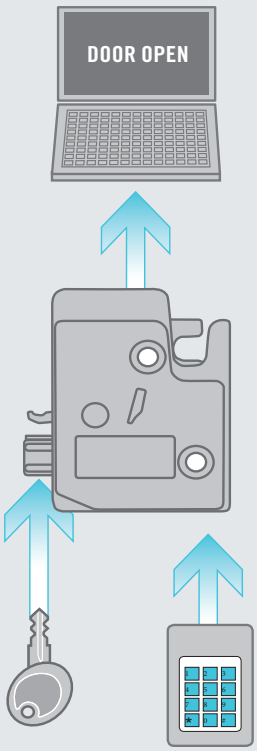
R4-EM 8 Series Electromechanical Rotary Lock

Electronic access

- **Push-to-close, electronic release**
- **Minimal power draw**
- **Integrated connector**
- **Extended housing option for added security**
- **Optional door sensor**
- **Mechanical over-ride with integrated cable bracket**
- **Efficient DC motor actuation**
- **Simple two-hole installation**

The R4-EM 8 Series offers an economical electromechanical lock for integration into applications with existing control and monitoring systems. Available in standard and extended lengths to accommodate door positioning sensor and added cam protection. An internal sensor provides an output signal to remotely monitor lock status. With high working and ultimate loads, the R4-EM 8 Series ensures reliable, vandal-resistant operation across a wide variety of applications.



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UNI·BIS
INDUSTRY SOLUTIONS

R4-EM 8 Series Electromechanical Rotary Lock

Electronic access

Material & Finish

Top Housing: Nylon

Gearbox Cover: PC/ABS

Bottom Housing, Pivot Pins, Screws: Steel, Zinc plated

Cam, Trigger: Steel, coated

Gears: Acetal

Pin, Springs: Stainless Steel

Electrical Specifications

Recommended Operating Voltage:

12 V Models: 8 to 14 VDC

24 V Models: 21 to 26 VDC

Typical Operating Current:

12 V Models: Less than 200mA

24 V Models: Less than 100mA

Latch status switch: 1A MAX

Latch Connector Pin Assignment

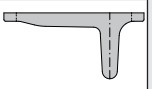
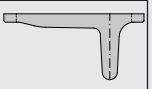
PIN 1: Power

PIN 2: Ground (-)

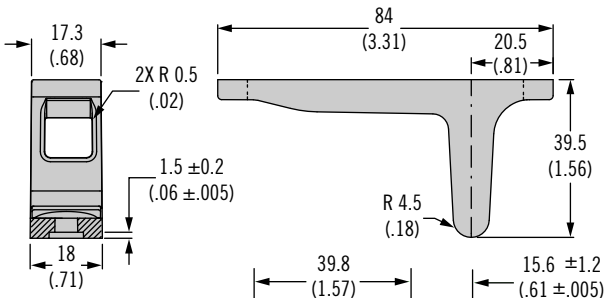
PIN 3: None

PIN 4: Latch status signal

Contact Southco for wire harness and mechanical release actuators and cables.

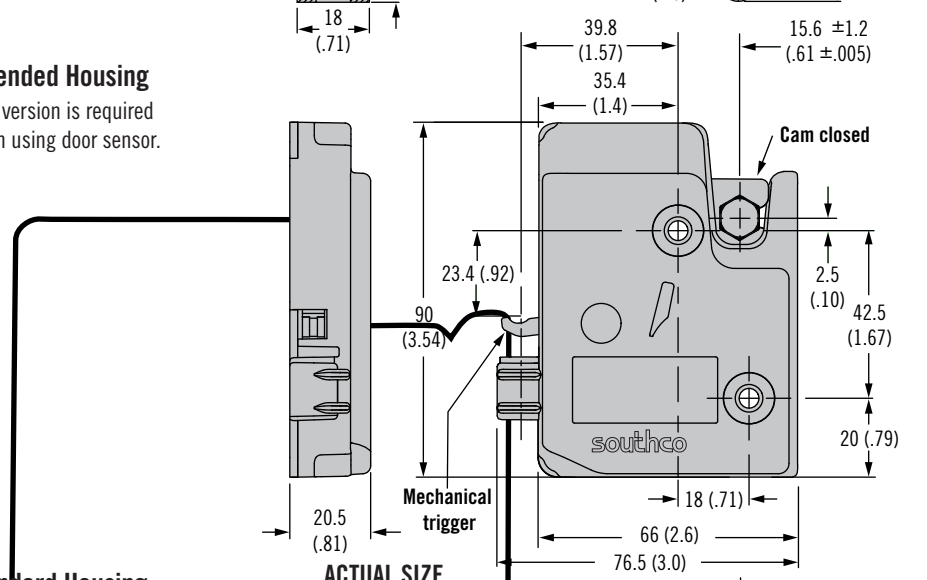
Strikers (order separately)	
Striker with door sensor magnet: R4-90-804-10	
Striker without door sensor magnet: R4-90-800-10	
Striker R4-90-121-10	

Front Mount Striker



Extended Housing

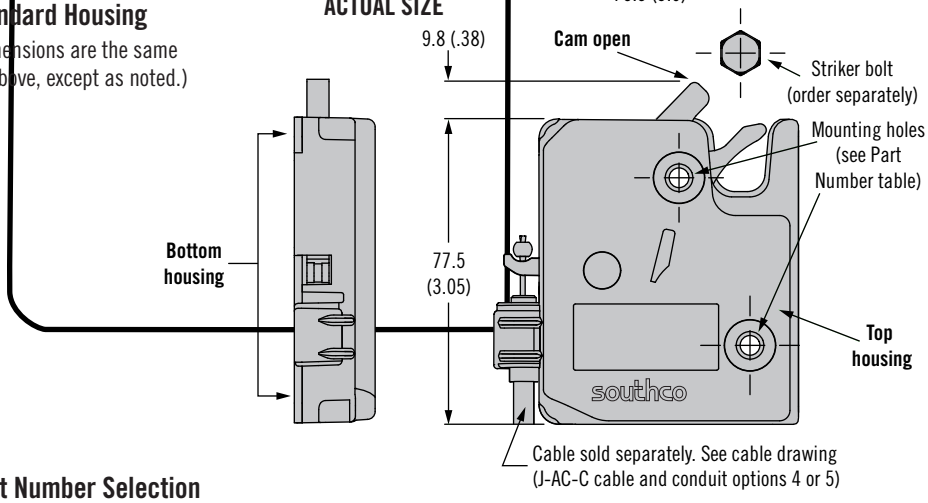
This version is required when using door sensor.



ACTUAL SIZE

Standard Housing

(Dimensions are the same as above, except as noted.)



Part Number Selection

R4 - EM - 8 [B] [A] - [V] [S] 0 - [P]

[P] Packaging Options
- **None** Individually packaged
- **1** Bulk packaged

[B] Base Mounting Style
- **1** 1/4-20 thread
- **2** M6 thread
- **3** Ø 7.0 (.27) thru hole

[S] Integrated Door Sensor
- **3** No
- **4** Yes (Extended housing only)

[A] Housing Configurations
- **None** Standard housing
- **6** Extended housing

[V] Voltage
- **2** 24 volts
- **3** 12 volts

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