

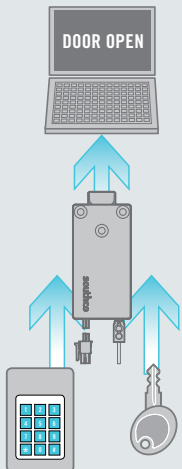


# EM-05 Miniature Electronic Keeper

Electronic access

- **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**

The EM-05 Miniature Electronic Keeper 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 EM-05 for a secure, concealed electronic access solution. The optional internal microswitch provides an output signal to remotely monitor latch status or control external systems.



Front mount configuration for low profile applications.

Alternate latch bolt configuration for side mount applications.

Convenient mechanical override feature for manual release in case of power failure. Contact Southco for manual release cables.



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

**INFO CLIC** [www.southco.com/EM-05](http://www.southco.com/EM-05)

Dimensions in millimeters (inch) unless otherwise stated

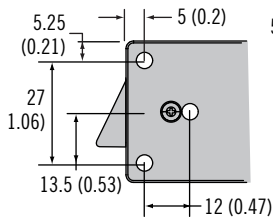
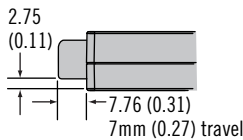
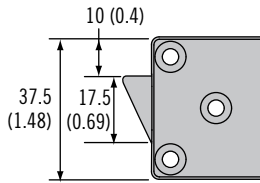
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# EM-05 Miniature Electronic Keeper

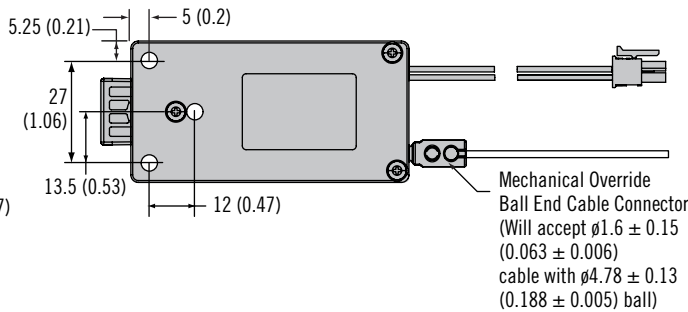
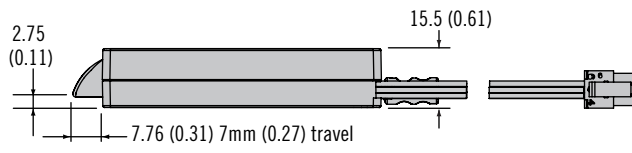
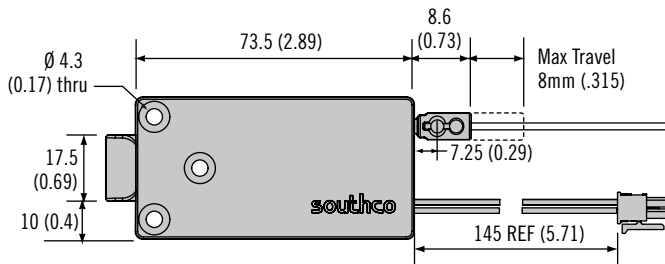
## Electronic access



### Side Mount

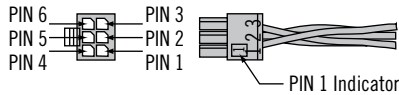


### Front Mount



### Latch Connector

Molex Microfit 3.0 series



### 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

### MINIATURE ELECTRONIC KEEPER PART NUMBERS

Type	With Mechanical Override		Without Mechanical 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

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

\* For Mechanical Version of Side Mount Style order part number EM-05-21-001  
(Mechanical version does not include drive motor or electronics)

Dimensions in millimeters (inch) unless otherwise stated



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

[www.southco.com/EM-05](http://www.southco.com/EM-05)

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