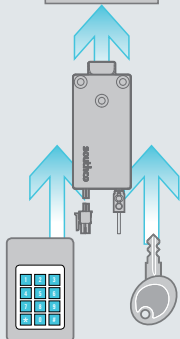


EM-05 Miniature Electronic Keeper

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.



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



www.southco.com/EM-05

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.



Dimensions in millimeters (inch) unless otherwise stated

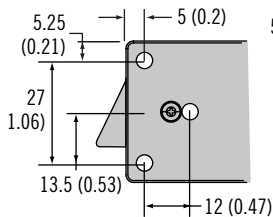
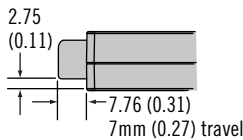
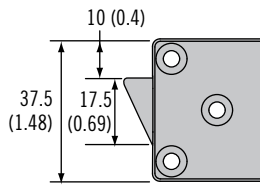
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EM-05 Miniature Electronic Keeper

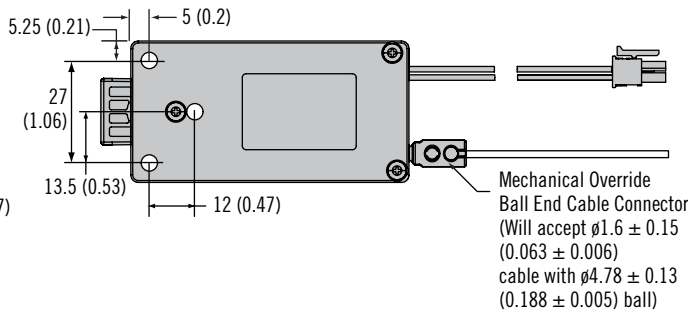
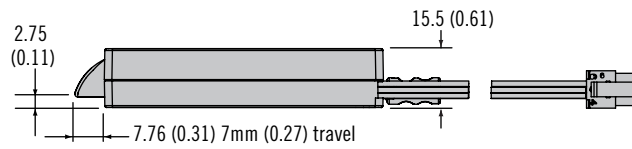
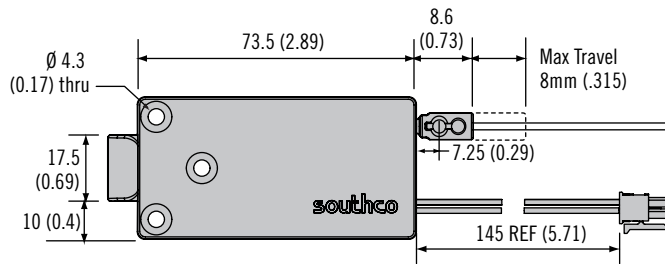
Electronic access



Side Mount

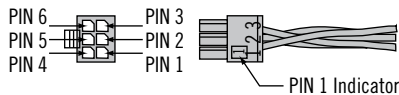


Front Mount



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



Global Corporate Headquarters and Americas Customer Service & Technical Support Center
Concordville, PA – USA · Tel: (1) 610-459-4000 · Fax: (1) 610-459-4012

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



www.southco.com/EM-05

© Southco EM-05 NA 11-10

EA-99-134	EA-K1-010-9	EA-W01-100-01	EA-W01-52-206-A	EA-W20-401-51
EA-99-162	EA-K1-011	EA-W01-100-21	EA-W01-52-306	EA-W20-500
EA-99-163	EA-K1-011-9	EA-W01-106-52	EA-W01-52-306-52	EA-W20-501-01
EA-99-164	EA-K1-012	EA-W01-123-21	EA-W01-52-306-52-A	EA-W20-501-21
EA-99-166	EA-K1-012-9	EA-W01-1500	EA-W01-52-306-A	EA-W20-501-51
EA-99-175	EA-K1-020	EA-W01-200	EA-W01-523-21	EA-W20-A01-01
EA-99-177-010	EA-K1-020-9	EA-W01-200-01	EA-W01-52-406	EA-W20-A01-21
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EA-99-177-250	EA-K1-022-9	EA-W01-223-21	EA-W01-52-506	EA-W20-C01-01
EA-99-177-500	EA-K3-033	EA-W01-23-106-52	EA-W01-52-506-52	EA-W20-D01-01
EA-99-286	EA-KC2-101	EA-W01-23-107	EA-W01-52-506-52-A	EA-W20-E01-01
EA-99-292	EA-KC2-102	EA-W01-23-107-03	EA-W01-52-506-A	EA-W21-100
EA-99-304	EA-KC2-103	EA-W01-23-206-52	EA-W01-52-A06	EA-W21-100-01
EA-A01-001	EA-KC2-104	EA-W01-23-207	EA-W01-52-A06-52	EA-W21-100-21
EA-A01-102	EA-KC2-201	EA-W01-23-207-03	EA-W01-52-A06-52-A	EA-W21-100-51
EA-A01-202	EA-P1-010	EA-W01-23-306-52	EA-W01-52-A06-A	EA-W21-100-52
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EA-A02-003	EA-P3-200-1	EA-W01-23-507	EA-W01-B00-51	EA-W21-300-01
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