ELECTRONIC ACCESS SOLUTIONS

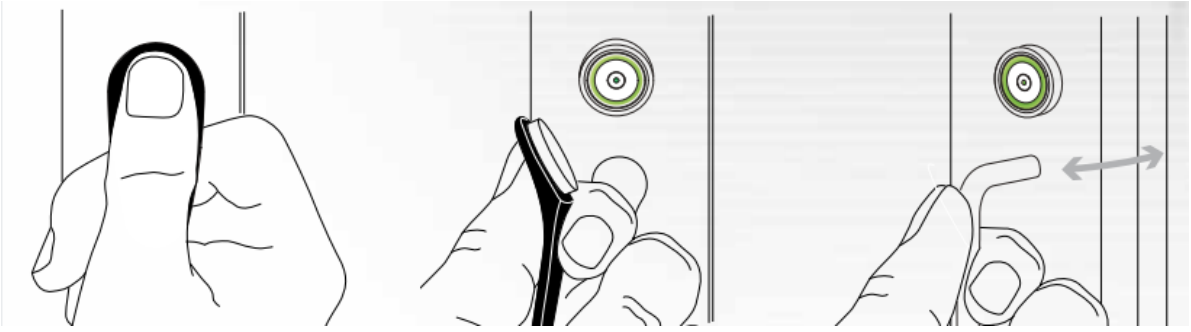
EA-B Electronic Key System

Electronic access

The new Southco Electronic Key System provides an efficient, user-friendly solution for key management issues. The compact iButton® based system requires no software and allows users to easily set up, modify, add and delete access privileges with the touch of a button. A user need only touch the electronic key to the reader to authenticate the key and receive access.

The Electronic Key System can operate any Southco electromechanical lock and is especially well suited for applications that require the distribution of multiple keys to individuals with varying access privileges across multiple access points – an arduous undertaking with mechanical keys.

- Simplified one-touch key management and lock actuation
- Minimal power consumption ideal for battery powered applications
- Simple, software-free installation
- Keyfobs available with custom colors and logos
- LED provides visual feedback for programming and access status
- Sealed, stainless steel, electronic key construction for durability
- High security with trillions of possible key codes
- Programmable access time



Touch **Access Status** **Open**

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EA Electronic Key System Kit

Electronic access

Part Number

- EA-B90, includes the following:
  - 3 electronic keys (red, black, gray)
  - 1 reader assembly
  - 1 controller
  - 1 power wire harness

How to Order

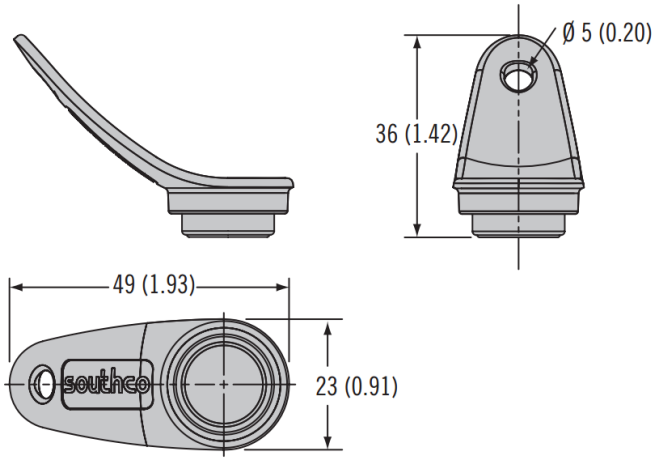
- Order part number EA-B90 for complete kit OR order components separately:
  - 1 controller per system
  - 1 reader per system
  - 1 electronic key for use as supervisor key and up to 15 keys for user access
  - 1 Southco power harness (optional)

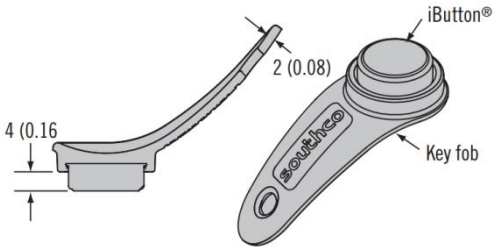
EA Electronic Key Assembly

Electronic access

Material

- iButton® key fob: Acetal (color see table) and stainless steel
- ROHS compliant





EA - B10 - 11 - EE

EE Color see table

EE	Color
01	Red
07	Black
09	Grey

Other colours available upon request. Contact Gripwell Sales for details.

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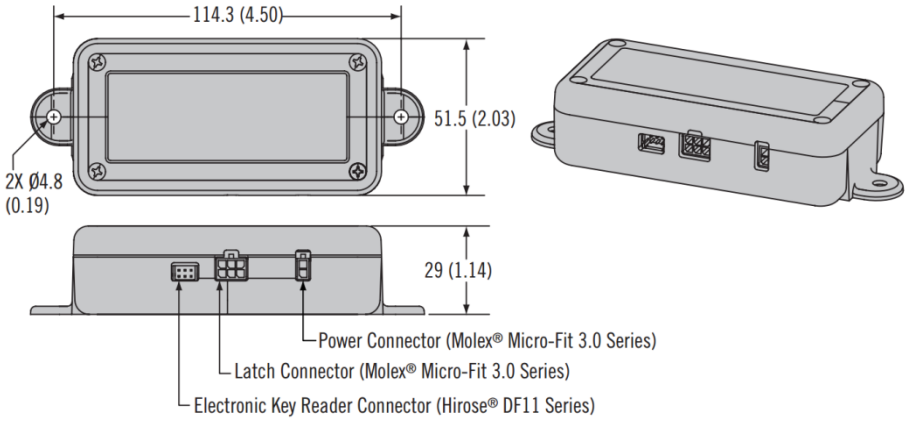
EA Electronic Key Controller Assembly

Electronic access

Part Number
- EA-B20-112

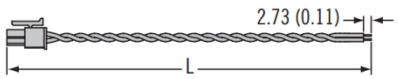
Material
- Enclosure: ABS V-0 rated
- ROHS compliant

Electrical Specifications
- Supply voltage: 12 VDC ± 10%
- Quiescent current: 100 µA (max)
- Operating current: 35 mA (max)
- Latch command output signal rating: 2 A max



Part Number	Length
EA-W22-100	1 m (39.37)
EA-W22-200	2 m (78.74)

Optional power wire harness



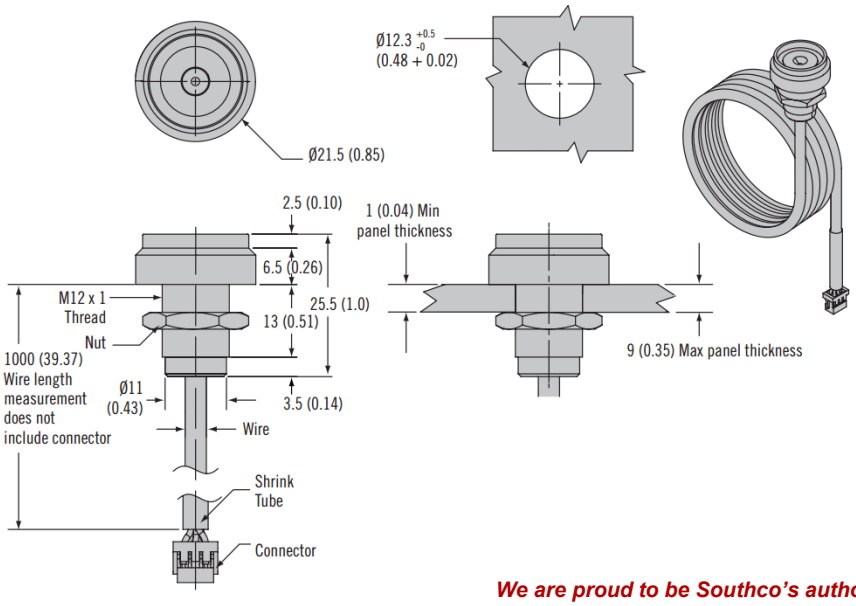
EA Electronic Key Reader Assembly

Electronic access

Part Number
- EA-B30-117

Material
- Polyacetal plastic and chrome plated steel
- ROHS compliant

Installation
- Prepare panel as shown
- Remove nut
- Slip assembly through hole, threaded on nut
- Plug connector into electronic key reader connector on controller assembly



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A system is comprised of..

... an electronic key

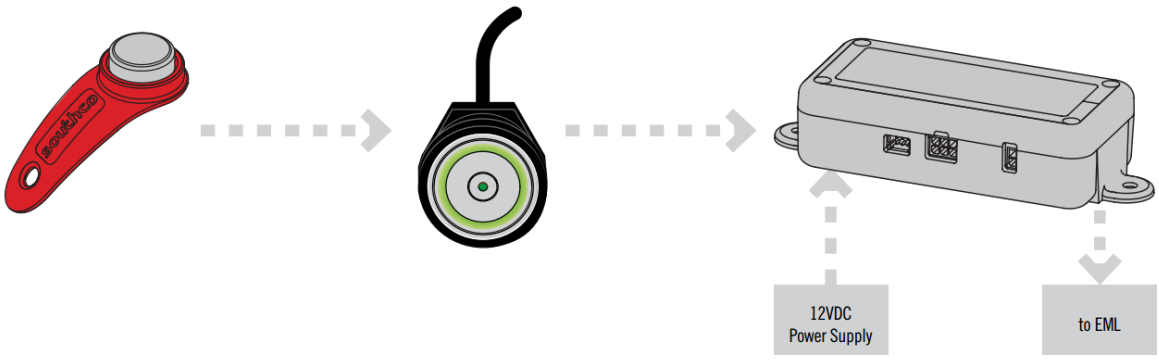
- 64 bit unique, unalterable user ID
- IC enclosed in sealed, stainless steel housing
- encapsulated in customizable fob

... an electronic key reader

- receptacle to transmit the user ID to the controller
- integrated LEDs for programming and read status

... a controller

- validates user ID against enrolled codes
- provides output to electronic lock based on ID validation



Key management...

During initial setup, the first electronic key enrolled becomes the programming key.

Touch the programming key to the reader to enter programming mode to add or delete keys.

- The reader will indicate the controller is in programming mode
- An unprogrammed key presented to the probe while in program mode is added to the system (up to 15 keys per system)
- A programmed key presented to the probe while in program mode will be deleted from the system

Touch the programming key to the reader again to exit programming mode.

Normal operation...

An electronic key is momentarily touched to the reader.

The reader includes a bi-color LED indicator to provide feedback status to the user.

The controller authenticates the electronic key and either grants or denies access.

If access is granted, the controller produces an output signal to operate the electronic lock.

Reader LED turns amber (programming mode)

Reader LED turns green (enrolled key)

Reader LED flashes green/red (unenrolled key)

iButton® is a registered trademark of Maxim Integrated Products, Inc.