

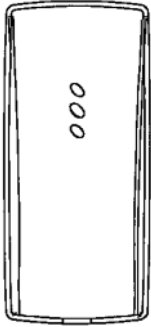
# EA-P3 Proximity Reader

## Operating Instructions

### Package Contents

- EA-P3-01x Proximity Reader
- Wire Harness
- Mounting Screws (x2)
- User Instructions

### EA-P3-101 Proximity Reader



### Features

- LED and buzzer indicators
- 26-bit Weigand output
- For indoor use only

### Specifications

Power:	12VDC $\pm$ 10%
	60mA maximum (no attached devices)
Transmit Frequency:	125kHz FSK
Card Reading Range:	up to 10 cm (depending on installation)
Operating Temperature:	0-50 °C
Operating Humidity:	20-90% RH, No condensation
Dimensions:	94 mm x 43 mm x 15 mm

### Reader Mounting and Installation

Please refer to Southco trade drawing J-EA-P3-01 for mounting and installation details.

### Status LED

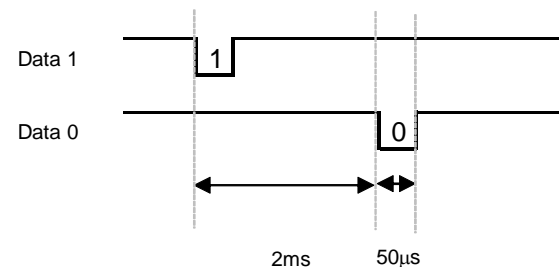
The EA-P3-101 has on bi-color (red/green) LED to indicate status.

When power is first applied to the reader, the LED will turn red, blink green three times, then stay red.

When a compatible prox card is presented to the reader, the LED will blink green once.

### Weigand Output Signals

The EA-P3-101 reader is capable of reading 26-bit 125kHz FSK proximity cards. When a card is presented to the reader, the reader will convert the user card ID to Weigand format. The timing of the Weigand outputs is shown in the figure below:



**NOTE:** The Weigand signals must be pulled high to a voltage level compatible with the controller connected to the EA-P3-101.

### Wire Harness Pinout

pin #	wire color	function
1	Red	VCC (12VDC)
2	Black	GND
3	White	Data 1
4	Green	Data 0
5	Yellow	GND
6	Brown	no function
7	Orange	no function
8	Blue	no function

**CAUTION:** Product can be damaged if wired incorrectly. Follow wiring diagram above.

For technical support of this product contact: [info@southco.com](mailto:info@southco.com) or visit: [www.southco.com](http://www.southco.com)

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the installation, may cause harmful interference to radio communication. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio / TV technician for help

You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:

- 1) This device may not cause harmful interference and
- 2) This device must accept any interference received, including interference that may cause undesired operation.