

# Enrolling a Transmitter with EA-R02-202 RF Receiver Application Note

## Introduction

This application note explains how to enroll a new transmitter with the EA-R02-202 RF receiver. The EA-R02-202 receiver can support two transmitters. Depending on your system, the receiver is shipped with either one or two transmitters pre-enrolled:

- EA-R02 kit – Shipped with two EA-R02-102 keyfob transmitters pre-enrolled.
- EA-R03 kit – Shipped with one EA-R03-103 keypad transmitter pre-enrolled.

If two transmitters are already enrolled with the receiver unit, then the older of the two will be deleted if an additional transmitter is enrolled.

## Related Documents

- J-EA-R02-M – User instructions for EA-R02 kit (keyfob transmitter)
- J-EA-R03-M – User instructions for EA-R03 kit (keypad transmitter)

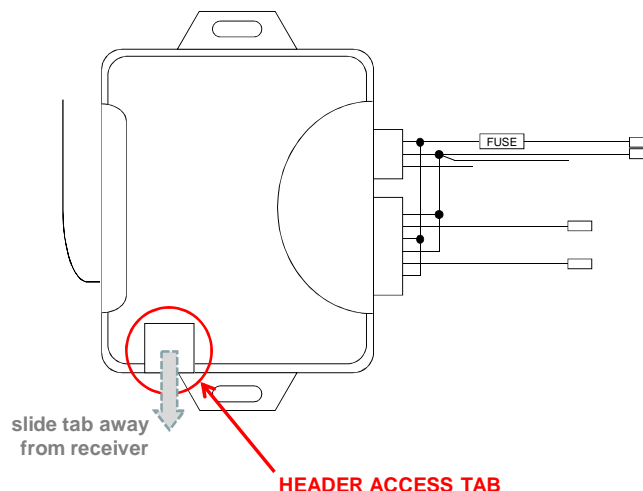
## Process

**CAUTION:** Potentially hazardous voltages are present. Use caution when accessing the printed circuit board.

**CAUTION:** The receiver unit's circuit board is an ESD-sensitive device. Observe ESD best practices when accessing the circuit board to avoid damage to the circuit board.

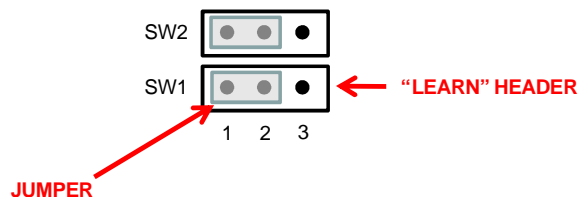
**CAUTION:** Do not remove the jumper across the SW2 “LOCK TIME” header.

1. Remove the header access tab by sliding the tab away from the receiver unit as shown below. Do not disconnect the wire harness from the receiver.



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- Through the header access tab window, locate the black jumper on the SW1 "LEARN" header on the circuit board. The "LEARN" header is closest to the edge of the receiver enclosure. The jumper should be positioned as shown below.



- Using a pair of long-nose pliers (aka needle-nose pliers), remove the SW1 jumper and re-install across the "1" and "2" pins. These are the same pins the jumper is currently installed on. When the jumper is re-installed, the auxiliary output will turn 'on', and the relay will click.

to enroll a keyfob transmitter...

Within six seconds of re-installing the jumper, press either the LOCK or UNLOCK button on the keyfob.

to enroll a keypad transmitter...

Within six seconds of re-installing the jumper, enter the current user code of the new keypad (e.g. 1 2 3 4), then press the 1-2 button.

The auxiliary output will pulse four times to verify successful enrollment. **NOTE:** Enrollment must be completed within 6 seconds of re-installing the jumper, or you will have to remove and re-install the jumper and try again.

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