

HID Prox RFID Module Installation Instructions

Series 500 Reader Installation

Version 1.00

Purpose

This document describes the installation process of the HID Prox RFID Module in the Series 500 Reader. This module is an option that may be purchased by the customer.

NOTICE: Installation of this module may only be made by qualified API employees. This is not a field upgrade, and must be done at the API factory.

FCC Notice

FCC ID: W7N-PROXHI01

Compliance Statement (Part 15.19)

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.

Warning (Part 15.21)

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Interference Statement (Part 15.105 (b))

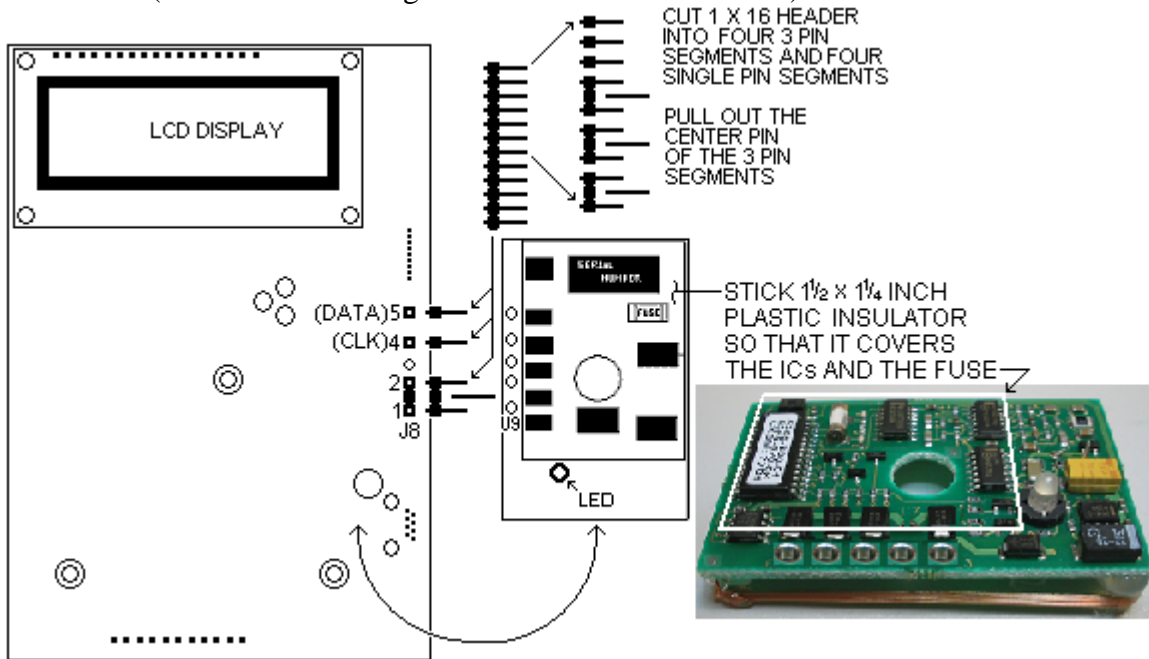
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. 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 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.

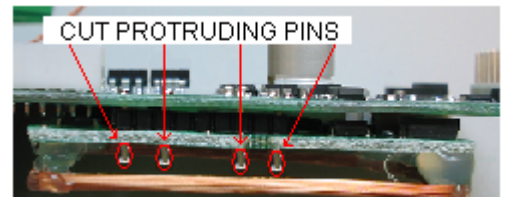
Installing the HID Prox RFID Module

- a. Cut four 3-pin segments from a 1 X 16 header and cut the rest of the header into individual pins.

- b. Pull out the center pin on each of the four 3-pin segments. This will leave only the 2 outer pins. (Save the unused segments for other Prox Boards.)



- c. Use a modified 3-pin segment and insert the short side of the pins into the bottom 2 holes of the J8 connector, numbers 1 and 2, on the 50 circuit board. Solder them in place.
- d. Insert the short side of a single pin segment, into each of the top 2 holes, numbers 4 (CLK) and 5 (DATA) of the 50 circuit board. Solder them into place.
- e. Cut a 1 1/2-inch by 1 1/4-inch rectangle from a sheet of plastic insulation. Stick this insulator onto the components side of the Prox Board per the diagram. Make sure it covers the ICs and the fuse but does not cover the LED or the pin holes.
- f. Insert the HID Prox Board pins into the J8 holes making sure the LED will fit into the hole in the TA-50 circuit board. Solder it in place so that it is parallel with the TA-50 circuit board and with the plastic insulator tight to the on the foil side of the circuit board. Cut the protruding pins without damaging the antenna.



Testing the HID Prox RFID Module

1. Apply power and wait for the unit to boot up.
2. Enter Diagnostic Mode:
 - a. Hold the F1 key until the display shows: DIAGNOSTIC PIN
 - b. Enter the PIN number by pressing the following keys: 415049<ENT>
 - c. Press 1 (BADGE)
 - d. Press 1 (RAW DATA)
3. Hold the test badge near the front plate of the reader until it displays: PROX SUCCESS.

4. Verify the number displayed matches the number printed on the test card.
5. This completes test of the module.