

**SYSTEM/MODEL:** NEM

**MODIFICATION:** External signaling of an NA-T/A handset sub station

**DIFFICULTY LEVEL:** 4 - Moderate/hard - Internal connection or component addition.

**COMPONENTS REQUIRED:**

1. RY-AC: External signaling relay
2. External signaling device and its own power supply.  
(Not supplied by Aiphone)
3. 12V DC power source

**INSTR/OPERATIONS:**

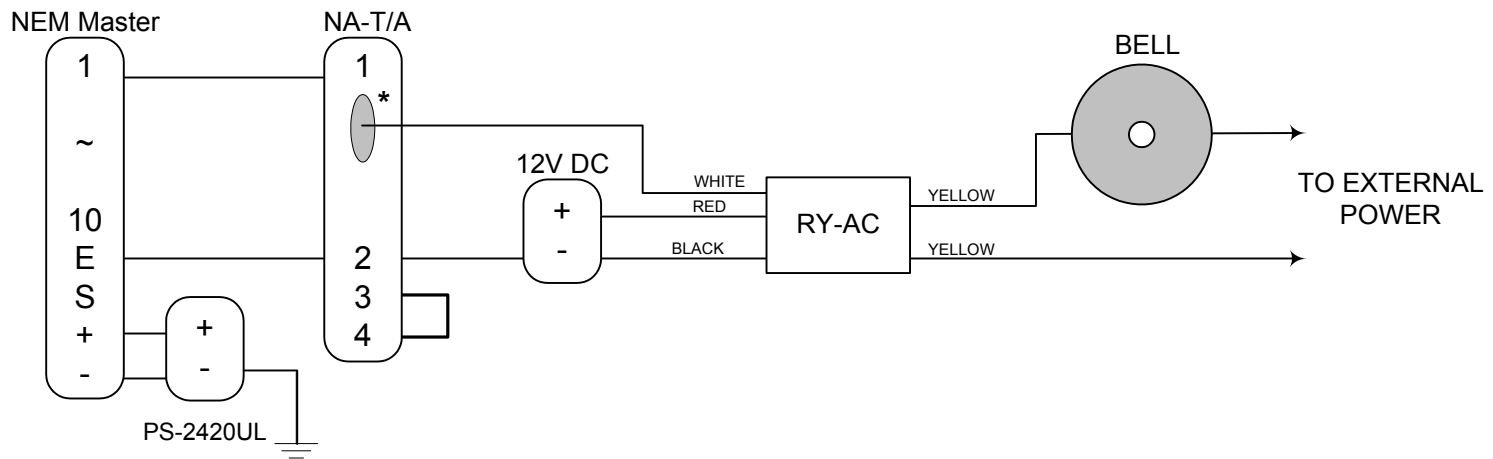
1. Cut trace and re-solder wires as indicated on the following drawing.
2. Solder WHITE wire or RY-AC to internal point as indicated.
3. Install RY-AC as shown.

**REFERENCE DRAWING #:** 0699-623A, 623B

**Aiphone's product warranty applies to products properly modified using these instructions.  
However, if a unit is damaged as a result of improper modification, the warranty does not apply.**

## MODIFICATION DIAGRAM

### EXTERNAL SIGNALING ACTIVATION AT THE NA-T/A WHEN CALLED BY AN NEM MASTER STATION



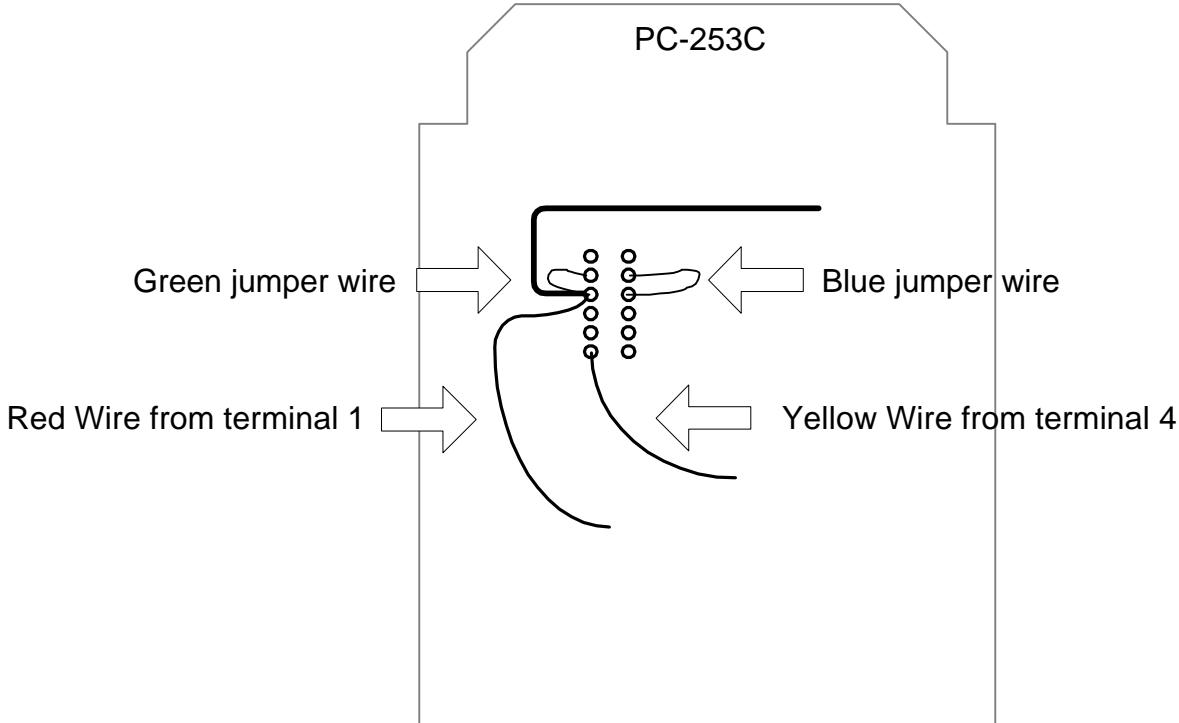
#### NOTES:

1. \*The WHITE wire of the RY-AC connects to an internal point on the NA-T/A PC board. See following diagram.
2. The "-" of the 12V DC power supply must be tied to both the "2" terminal of the NA-T/A and the "E" terminal of the NEM series master.
3. PS-2410A: Use with NEM-10/20. Connect GREEN wire to earth ground.
4. PS-24E: Use with NEM-30/40. Ground "-" terminal to earth ground, not "Gnd" terminal.

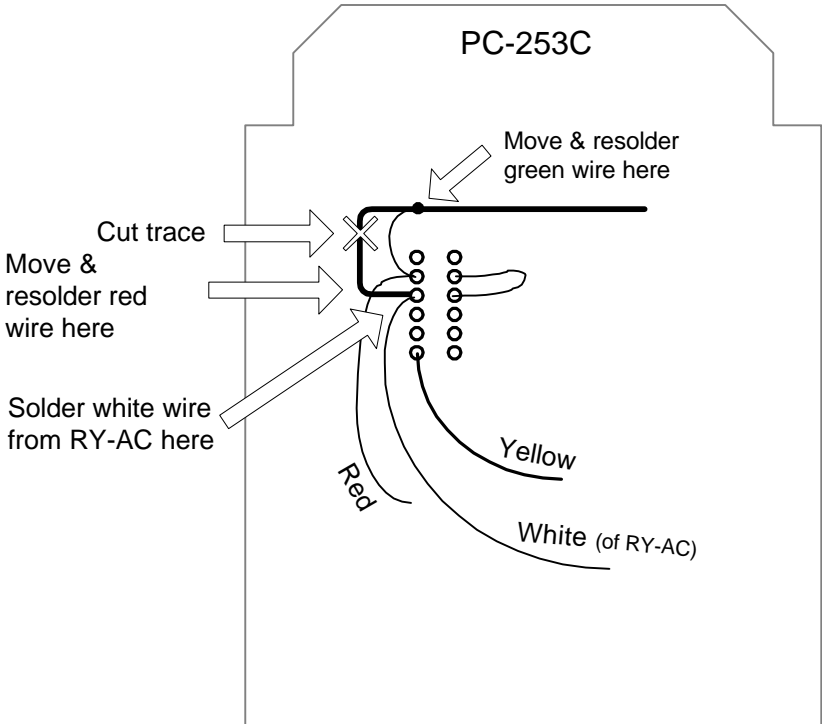
**MODIFICATION DIAGRAM**

**NA-T/A Modified to activate external device when called  
(with RY-AC relay)**

**Stock NA-T/A PC-253C**



**Modified NA-T/A PC-253C  
(Solder side view)**



**NOTES:**

1. Cut trace and resolder wires as indicated.
2. If RY-AC relay cannot be installed close to the NA-T/A handset, solder a lead wire onto the point indicated (where WHITE wire connects), then run wires to the relay.