

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:

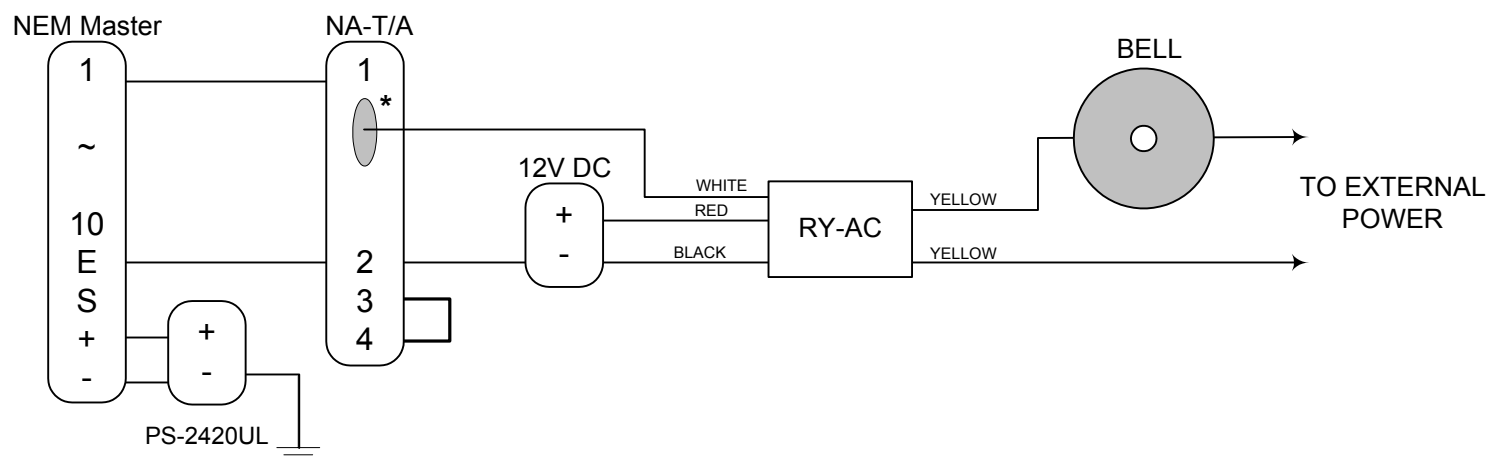
1. Cut trace and re-solder wires as indicated on the following drawing.
2. Solder WHITE wire or RY-AC to internal point as indicated.
3. Install RY-AC as shown.

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



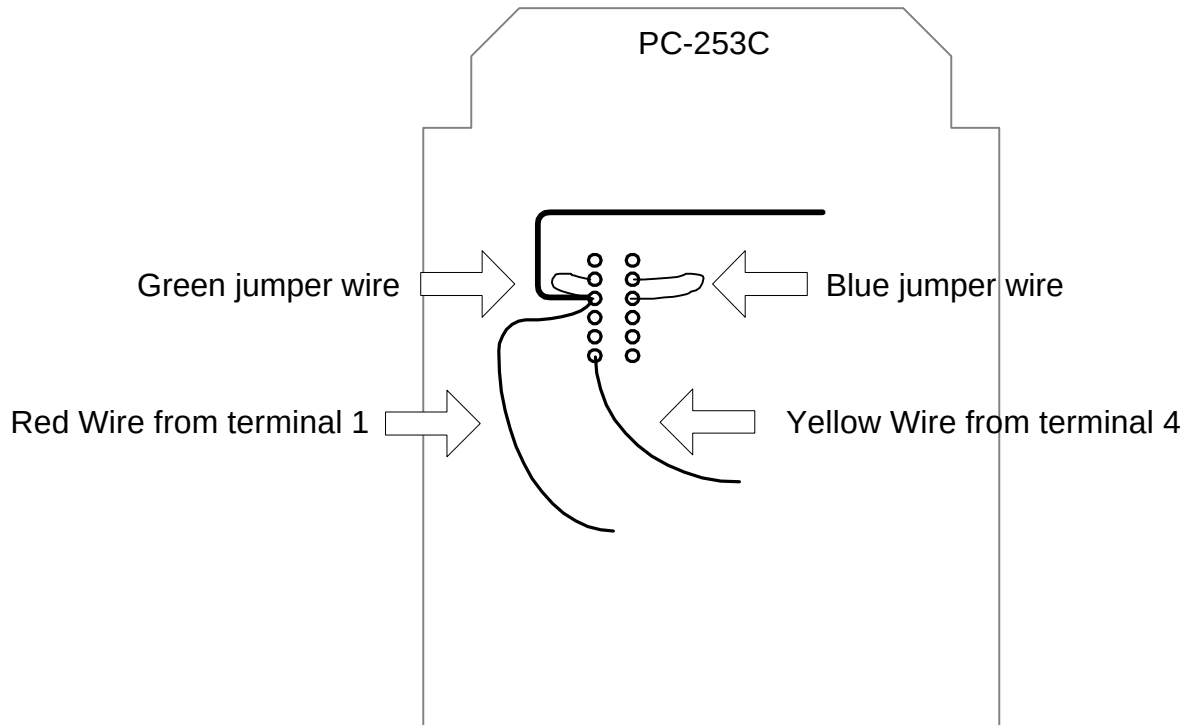
NOTES:

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.

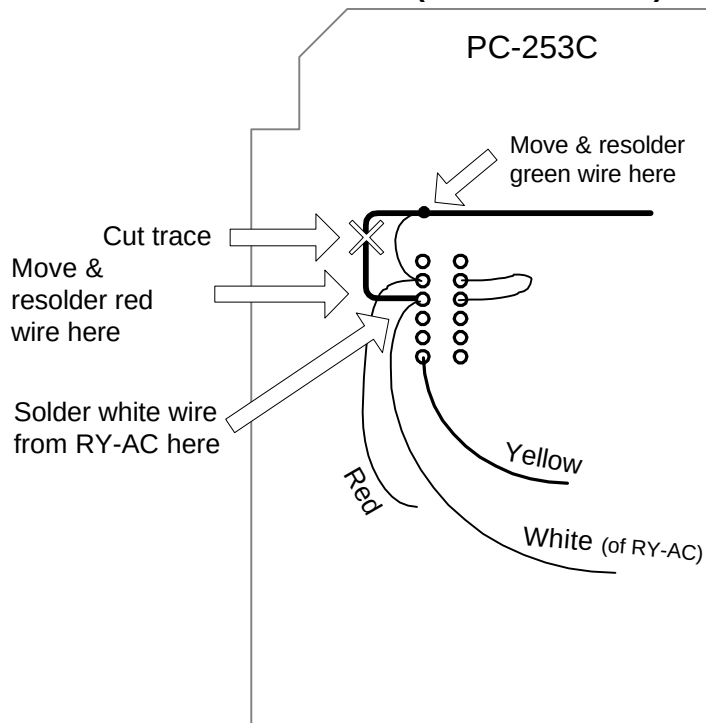
MODIFICATION DIAGRAM

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.