

SYSTEM/MODEL: NEM

MODIFICATION: External amplifier for louder All Call volume

DIFFICULTY LEVEL: 2 - Easy/moderate - Component connection to external points.

COMPONENTS REQUIRED: 1. Transformer: OT-32A-18V (Aiphone part #280190)

2. Amplifier: Requires auxiliary (10K ohm) input and 25V output. 15W for every 10 stations within system.

3. NB-U: BGM adapter. (Used if background music is required)

INSTR/OPERATIONS: Connect components as shown in the following diagram.

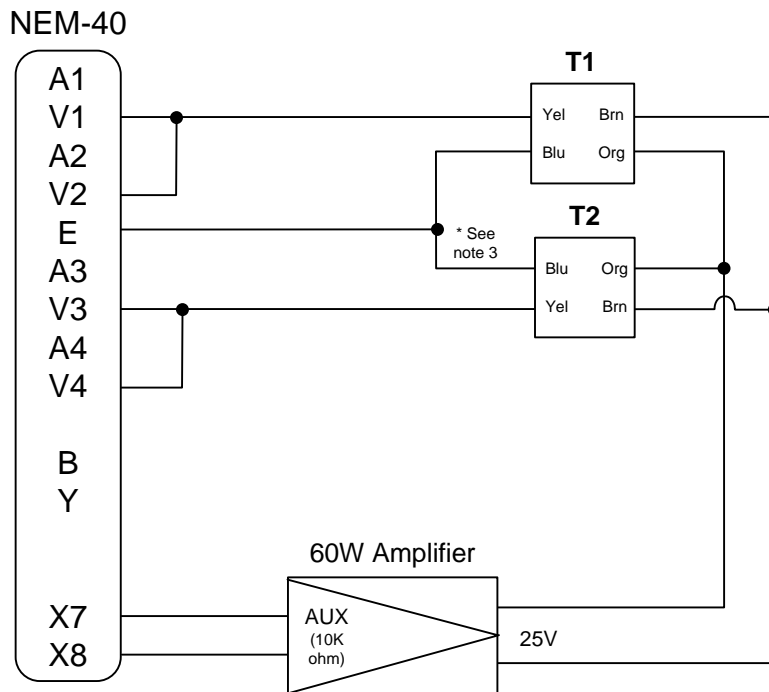
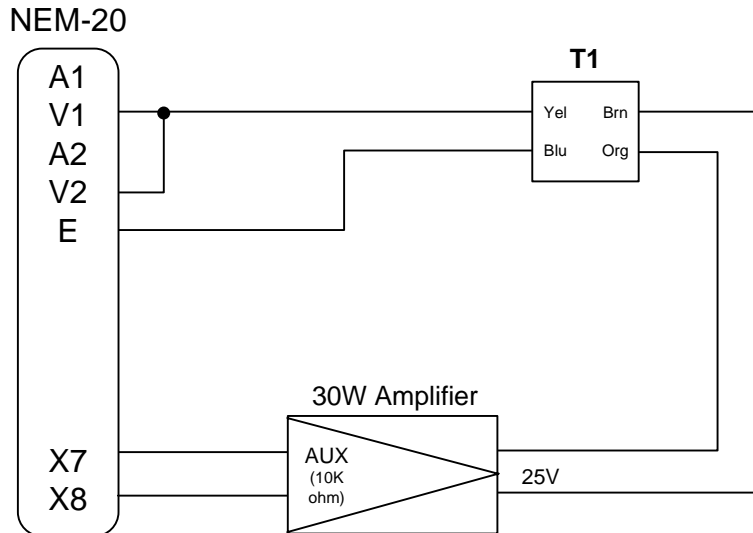


REFERENCE DRAWING #: 0998-628A, 0998-628B

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

NEM SYSTEM WITH EXTERNAL ALL CALL AMPLIFIER

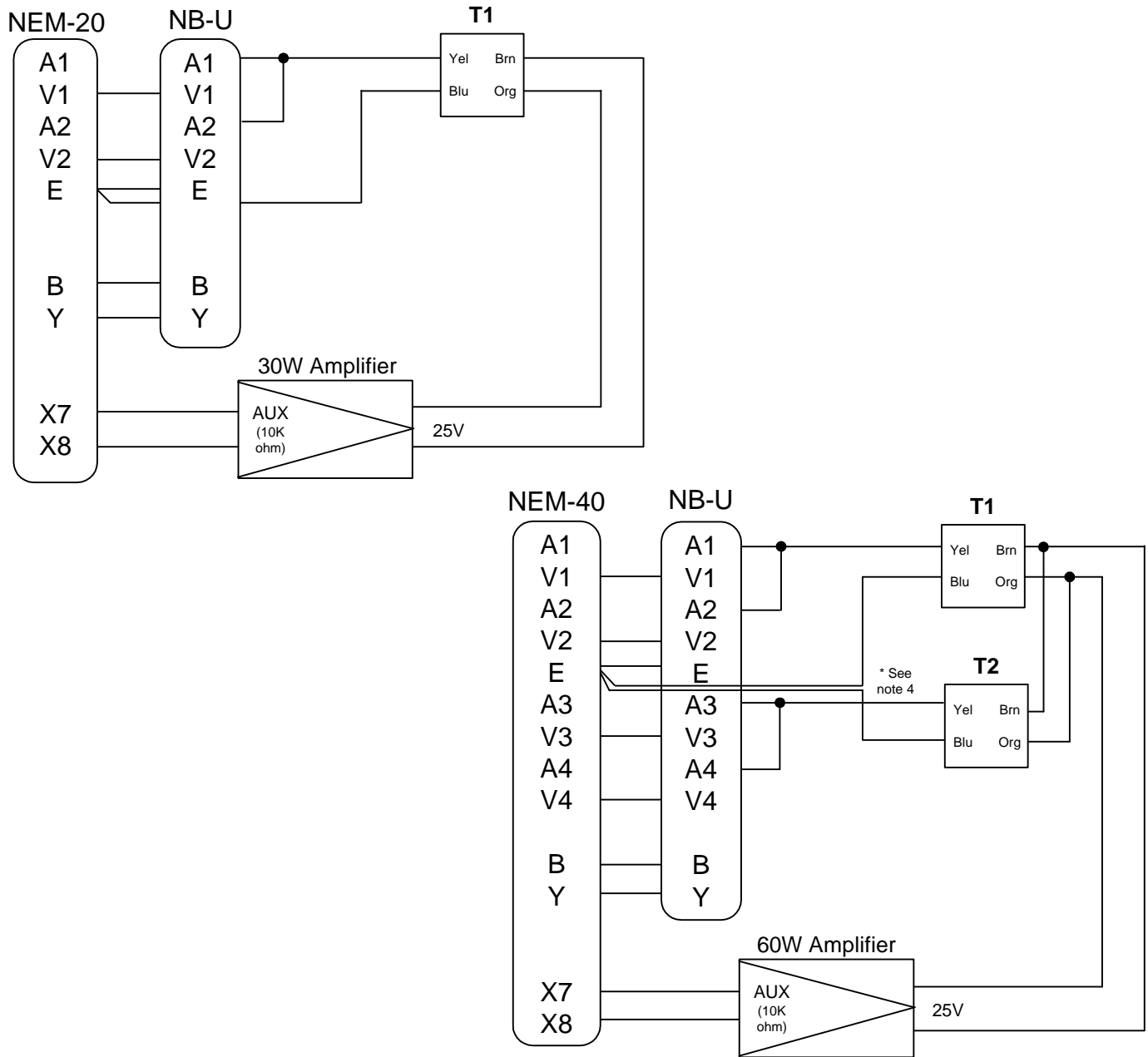


NOTES:

1. Transformer T1: Aiphone #280190, OT-32A-18V.
2. Use 18AWG wire from amplifier output to transformers.
3. If using an NEM-10/10A, A2 and V2 connections do not apply.
4. Only wiring concerning the external All Call amplifier is shown here.
For complete wiring instructions, see the NEM system Installation Manual.

MODIFICATION DIAGRAM

NEM SYSTEM WITH EXTERNAL ALL CALL AMPLIFIER AND NB-U (for Background Music)



NOTES:

1. Transformer T1 and T2: Aiphone #280190, OT-32A-18V.
 2. Do not connect A1, A2, A3, A4 from NEM Master to NB-U.
 3. Use 18AWG wire from amplifier output to transformers.
 4. * Connect BLUE wires of transformers directly to E terminal of NEM first, then run wire from E of NEM to E of NB-U.
 5. If using an NEM-30/30A, A4 and V4 connections do not apply.
 6. Only wiring concerning the external All Call amplifier is shown here.
- For complete wiring instructions, see the NEM system Installation Manual.