

SYSTEM/MODEL: NEM

MODIFICATION: LED monitoring indicator on a sub station

DIFFICULTY LEVEL: 5 - Hard - Circuit creation and internal addition.

COMPONENTS REQUIRED:

1. LED: General purpose, one per sub station
2. Resistor: 1K ohm, 1/4 Watt, one per sub station
3. NEM Master: with model number ending in "/A" or "/C" (Type A or Type C)

INSTR/OPERATIONS:

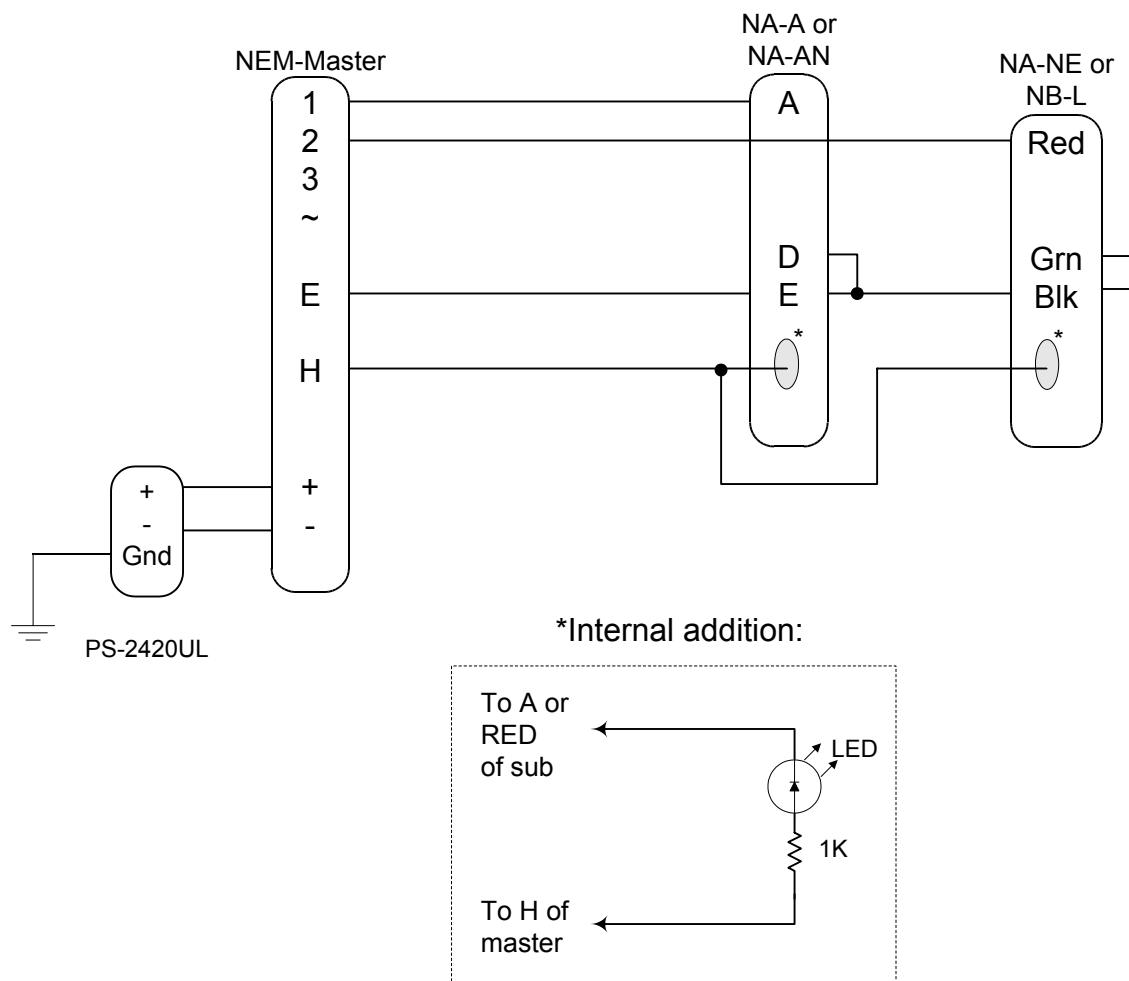
1. Wiring to each sub station requires 3 conductors, or 2 common plus 1 individual wire per sub, looped.
2. New common wire is connected to "H" terminal on master.
3. Install components as shown on diagram.
4. If a new LED cannot be added, the existing LED's function can be changed to operate as a monitoring indicator. See schematic for modification.

REFERENCE DRAWING #: 0998-604, 359-604

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

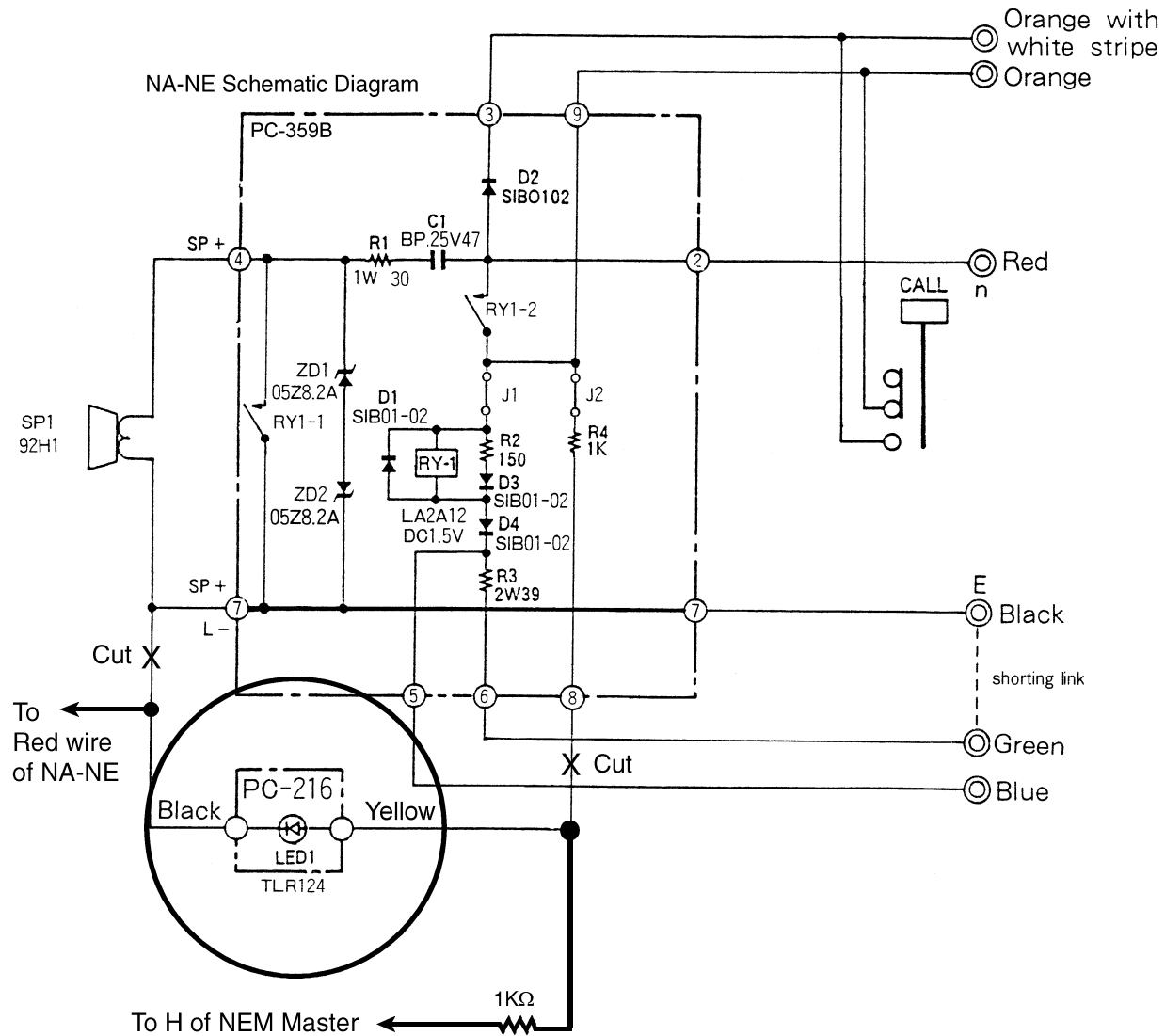
LED MONITORING INDICATOR ON AN NEM SERIES SUB STATION



NOTES:

1. Inside the sub station, install the general purpose LED and 1K resistor as shown above. As there is no designated location for placement of the LED, either modify the chassis of the sub station or mount the LED externally.
2. The NA-A, NA-AN, NB-L, NA-NE, NE-NVP, and NE-NVP-W can all be modified with a monitoring LED.
3. If a separate LED cannot be installed, the existing LED can be changed and used for monitoring instead of a "call placed" indicator. (On all models except NE-NVP(-W)). See following schematic for modification.

LED MONITORING INDICATOR ON SUB STATION (using existing LED for Monitoring instead of Call Placed Indicator)



Reconnect LED for monitoring indicator:
Cut BLACK wire between LED and PC-359B, and connect to Red wire.
Cut YELLOW wire between LED and PC-359B.
Connect YELLOW wire from LED to 1KΩ resistor, then to wire going to H terminal of NEM master.