

**SYSTEM/MODEL:** AP-M

**MODIFICATION:** External signaling when a sub station calls in

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

**COMPONENTS REQUIRED:** 1. RY-AC: External signaling relay

2. DC 12V power supply

3. External signaling device and its own power  
(Not supplied by Aiphone)

**INSTR/OPERATIONS:** 1. Install White lead of RY-AC to a number terminal (for signaling from one station) or internal point (for signaling from all stations - Changes difficulty rating to a level 4, see schematic).

2. Connect 12V power supply to RED and BLACK leads RY-AC.

3. Connect "-" of DC 12V power to "E" of AP-M.

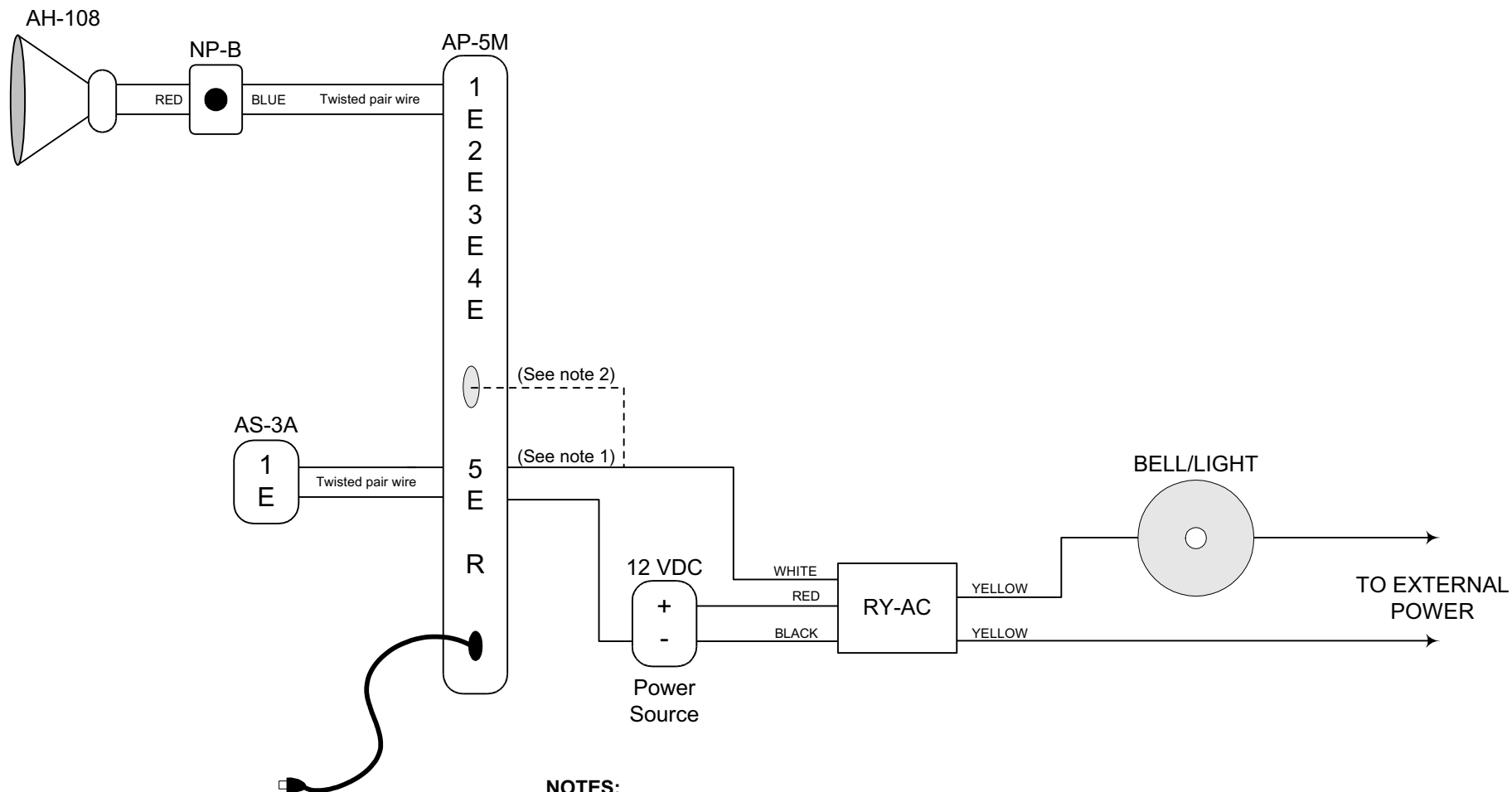
4. YELLOW leads of the RY-AC will provide a normally open dry contact whenever the door station calls in. Connect this contact in accordance with instructions provided with your external signaling device and power for the external device.

**REFERENCE DRAWING #:** 0698-003, 381-003

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 INSTRUCTIONS

# EXTERNAL SIGNALING WITH THE AP-M SYSTEM



### NOTES:

- (1) Diagram shows relay connected to channel 5. It can be connected to whichever channel requires external signaling. When a call is placed from that station, the relay will provide a closure for the duration of the call tone, activating the external device.
- (2) If the external device is to activate when any sub calls in, connect WHITE wire of RY-AC to point inside master. (Point 12 from PC-380). See following schematic.

Drawing Name: 003-APM Ext. Sig.  
 Drawing # 0698-003  
 Schematic # 381-003

# EXTERNAL SIGNALING FROM ALL REMOTES ON AP-M SYSTEM

AP-10M Schematic Diagram

