Signal Communications Corporation
Woburn, MA USA 781.933.0998 www.sigcom.com

Application Note
AU-340P / DVS-PS Installation Guide

AU-340P

For use with the AU-360 Series Amplifier,
Remove or Ignore the Blue and White wires and follow the connections on the other side of this paper.

DVS-PS

For use with the DVS-25/50,
Remove or Ignore the Yellow wire and follow the connections below.

1)

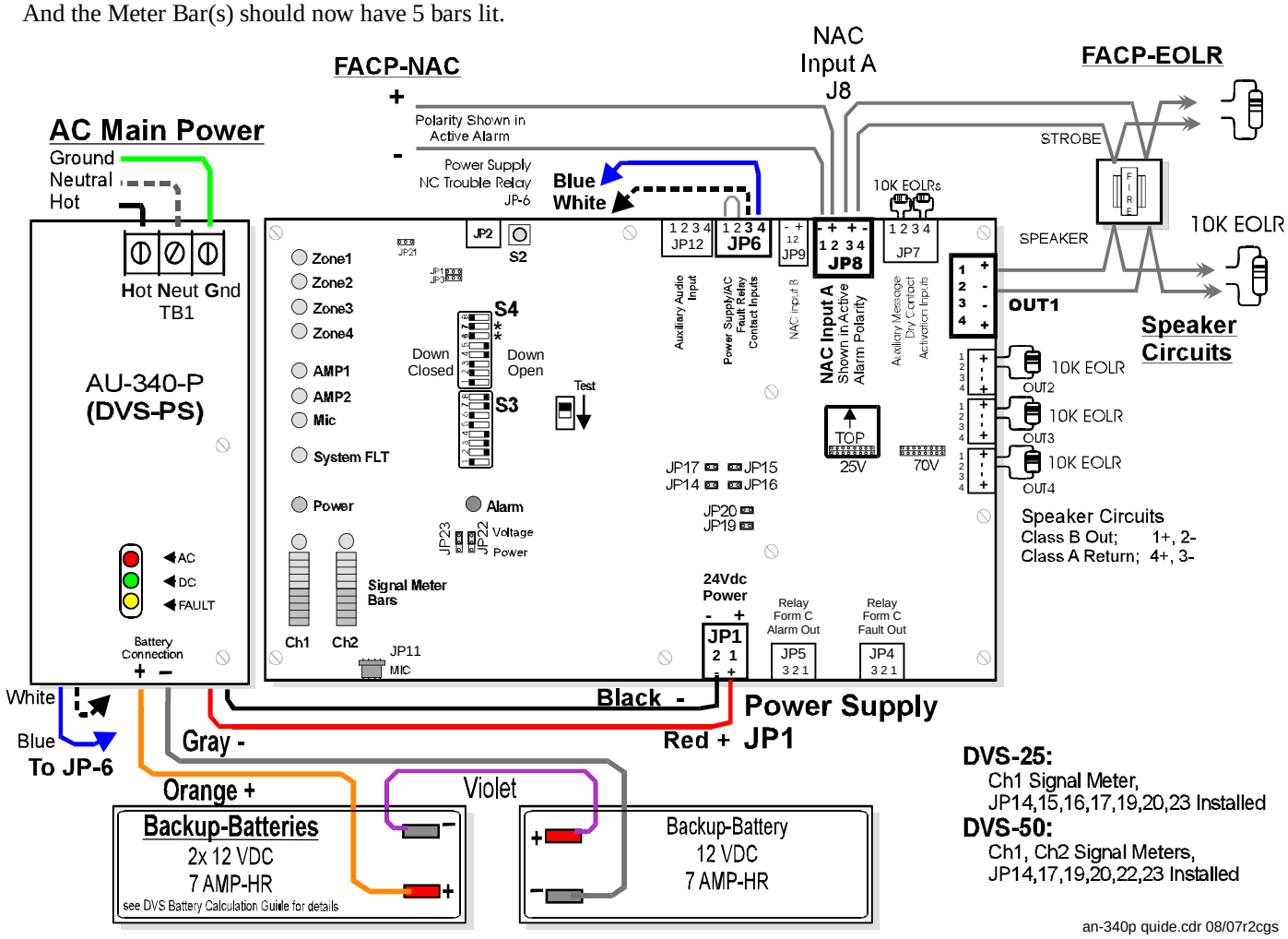
Attach the 120VAC to the TB1 Terminal Strip on the DVS-PS.
Connect the Red (+24V) wire to JP1 pin 1.
Connect the Black (Neg) wire to JP1 pin 2.
Connect the Blue and White wires to JP6 pins 3 and 4.
Verify there is a jumper on JP6 pins 1 & 2.

2)

Apply 120VAC Power,
The Red and Green Power and the Yellow Fault LEDs on the power supply should light,
and the Green Power and Yellow System Fault LED on the DVS pcb should light.

3)

Connect 2, 12VDC 7AH batteries in series, using the supplied Violet jumper,
Connect the Orange wire to the positive battery lead and the Gray wire to the negative lead.
The Yellow LEDs on the Power Supply and the DVS should go out.
And the Meter Bar(s) should now have 5 bars lit.



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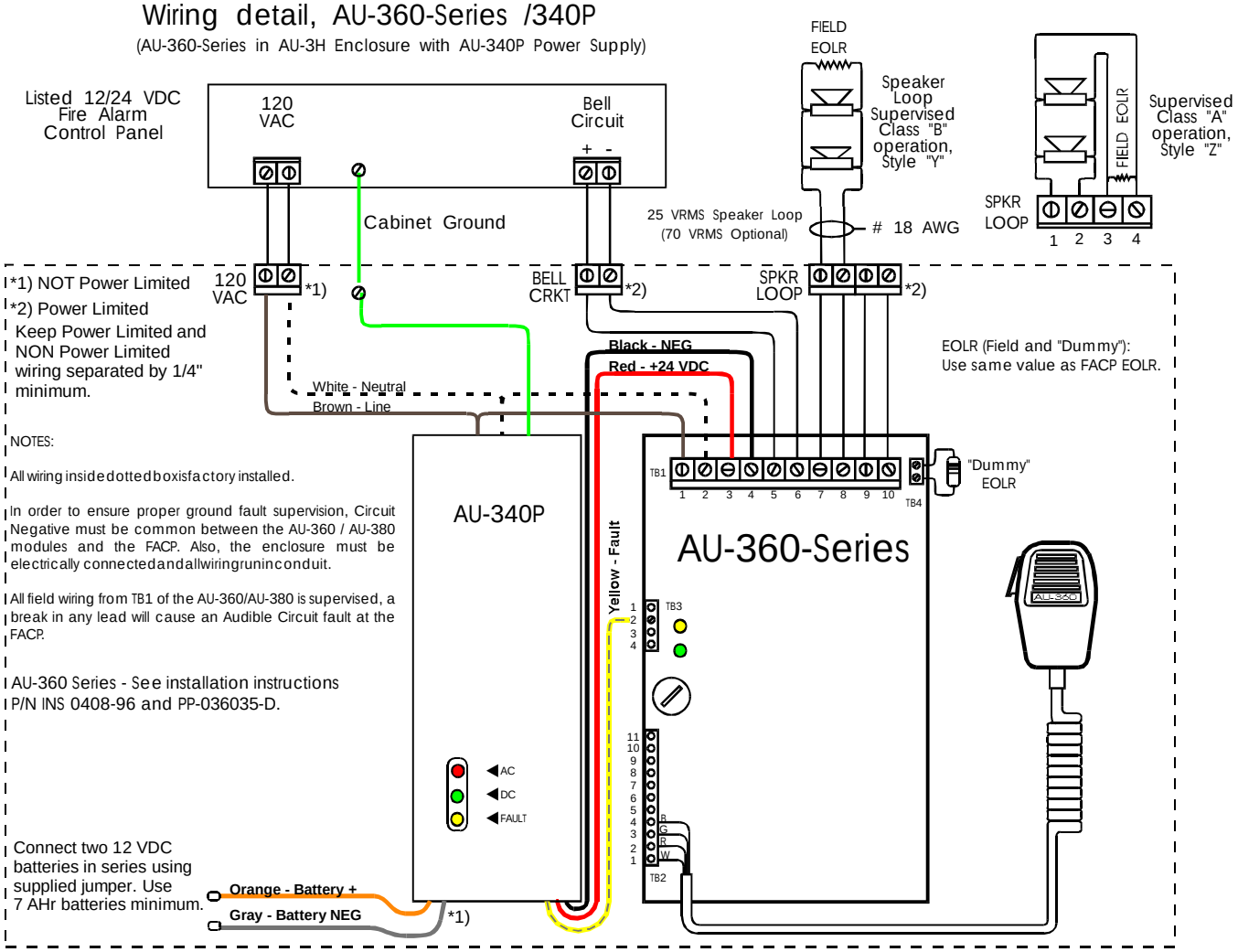
Wiring detail, AU-360-Series /340P

(AU-360-Series in AU-3H Enclosure with AU-340P Power Supply)



When operating from batteries, the AU-340P and the AU-360/AU-380 enter a battery saver mode. In this mode, the AU-340P draws 10 mA and the AU-360/AU-380 will draw either 6 mA or 18 mA, respectively. This adds up to a maximum of 28 mA for standby on batteries. The AU-380 draws 3.0 A when in alarm with a full 40 Watts of load on the Speaker Loops. This is full power operation.

UL-864 requirements for battery operation are 24 Hours of standby and 15 minutes of full power operation. Check local codes as these requirements may vary in your locale.

By multiplying the standby current by 24 and adding this to the full power current multiplied by 0.25 (15 minutes), the battery Amp Hours can be calculated. For the standard case (24/0.25), .672 Ahr for standby and 0.75 AHr for full power operation adds up to 1.42 Ampere Hours. Use the next larger standard size batteries (7 AHr).

The AC LED (Red) will be on if voltage is available from the AC line.
The DC LED (Green) will be on if DC power is available from either the supply or the batteries.
The Fault LED (Yellow) will be on only if both AC power and a fault are both present.
The Fault contact will be in the fault state if the batteries are shorted, open, below minimum voltage or if the AC power has dropped below brownout voltage.

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