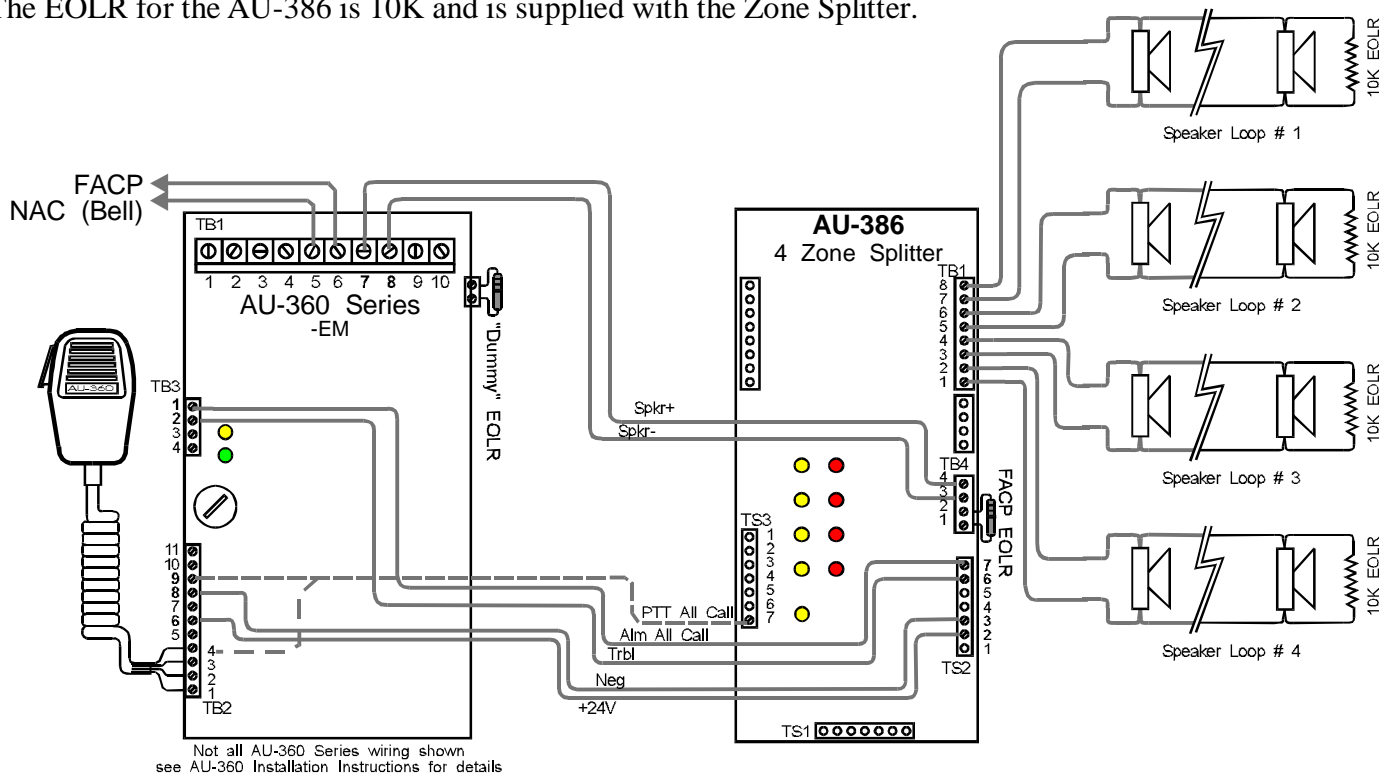




The AU-386 Zone Splitter module provides 4 supervised, power limited, speaker circuits from one audio input. When paired with an AU-360 Series amplifier, the Zone splitter can provide up to 75% of the amplifiers rated output on any of it's outputs. For example, if used with an AU-360, then 75% or 15-Watts is available at any output, with all outputs added up not exceeding the 20-Watts available from the amplifier.

In the supervisory mode, the Fire Alarm Control Panel's (FACP) Notification Appliance Circuit (NAC) or Bell Circuit is attached to the AU-360 Series input on TB1 pins 5 & 6. This goes through the amplifiers Normally Closed (NC) fault relay, out TB1 pins 7 & 8, and is routed to the AU-386 on TB4 pins 3 & 4. The FACP End of Line Resistor (EOLR) is attached to the AU-386 TB4 pins 1 & 2. Another FACP EOLR can be attached to the AU-360 TB4 as a 'Dummy' EOLR. The EOLR for the AU-386 is 10K and is supplied with the Zone Splitter.



Required Connections:

AU-360 Series		AU-386
TB2-6	+24V power	TS2-2
TB2-8	Neg power	TS2-3
TB3-2	Trouble	TS2-6
TB1-7	Speaker +	TB4-4
TB1-8	Speaker -	TB4-3

Typical optional Connections:

TB3-1	Alarm Input	TS2-7
TB2-9	PTT Input	TS3-7
or sometimes		
TB2-4	Mic Input	TS3-7

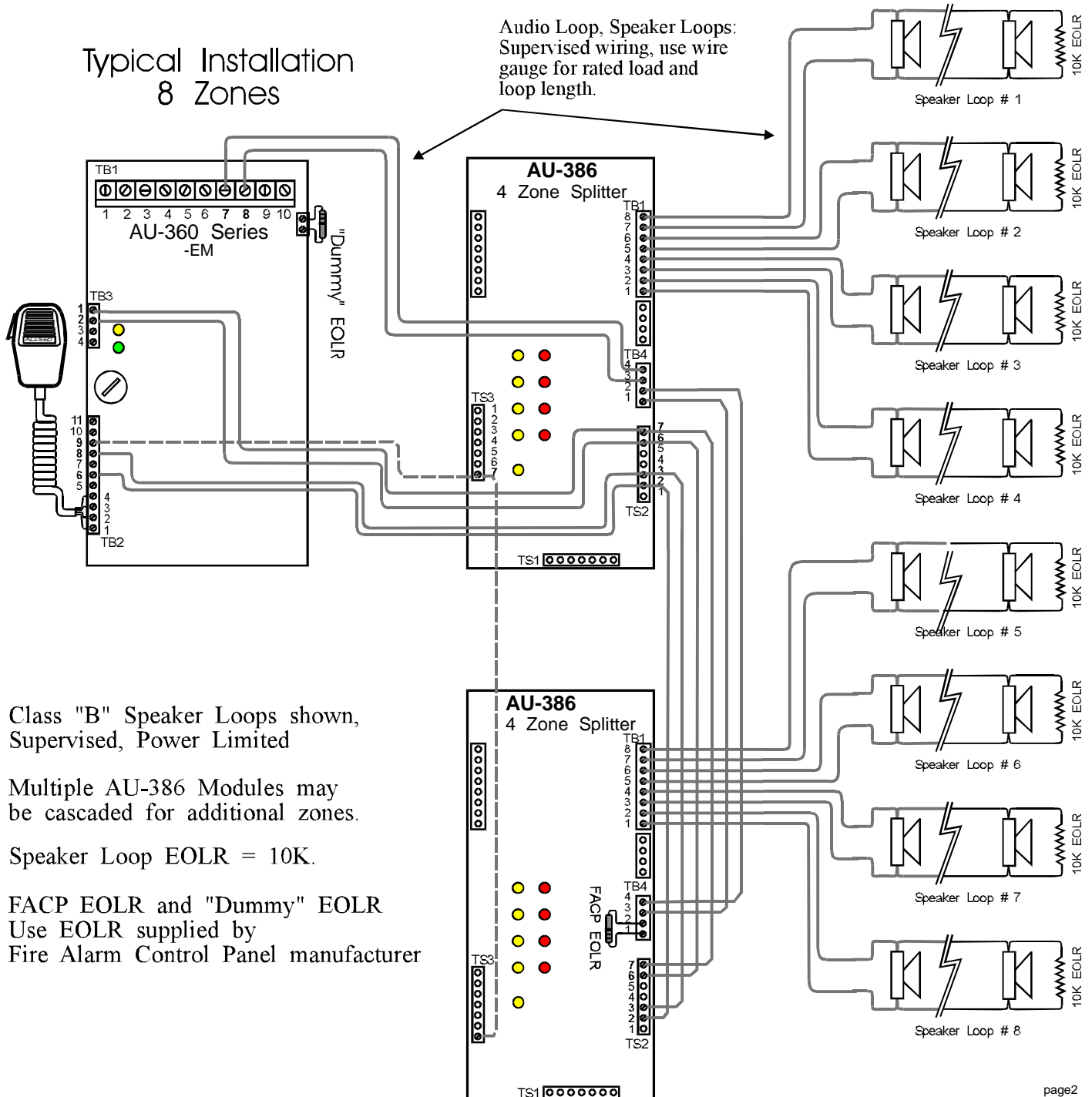
Multiple Splitters

AU-386 Zone Splitter Guide

Multiple AU-386 Zone Splitters can be added to an amplifier to increase the number of available circuits. Any practical number of Zone Splitters can be added to an amplifier, minding that the total power from all of the circuits cannot exceed the maximum power available from the amplifier. However, only one amplifier can be connected to the Zone Splitter(s), meaning that multiple amplifiers can NOT be paralleled into one Zone Splitter.

The power and control wires are paralleled from the first splitter to the second, and beyond. The Speaker wires from the amplifier are fed from the first Splitter on TB4 output, and connected to the second splitter TB4 input.

Typical Installation 8 Zones



The AU-386 Zone Splitter has control inputs that can be used to provide selection of outputs. This selection can be for the local microphone, zoned paging interface, or remotely selected by the FACP for Floor Above / Floor Below (FAB) for staged evacuation.

The inputs are pulled up to +24VDC (with respect to power supply Neg) via Normally Open (NO) dry contacts, typically manual switches, or relays controlled by the FACP.

Multiple Zone Splitters are handled the same way, using one common +24V to select the zone(s) required.

Remote 'All Call' is typically accomplished by the Selection Control doing a 'Select All'. Also, the PTT All Call input of the AU-386 (TS3 pin 7) could be used by other modules in the panel.

Since all zone select control lines are +24V and low current, simple diode gates, can be used to provide multiple zone selection using one control switch.

