

FireFinder® XLS

Zone-Amplifier Module (180-Watt)

Model ZAM-180

ARCHITECT AND ENGINEER SPECIFICATIONS

- 180-Watt audio amplifier
- Selectable audio levels
 - 25VRMS 150 Watts
 - 70VRMS 180 Watts
- Local audio input
- Speaker lines supervised when active or inactive
- Style `Y` or `Z` wirings
 - Split-zone (A / B) wiring on Style `Y`
- Takes one (1) module space, mounting directly on back box or optional Model CAB-MP mounting plate
- Supports and switches up to eight (8) digital audio channels
- Internal amplifier supervision
- Backup amplification available
-  UL 864 9th Edition Listed and  ULC Listed; FM, CSFM & NYC Fire Department Approved



Product Overview

Model ZAM-180 is a combination 180-watt, amplifier / speaker zone for use with FireFinder XLS. Style `Y` or `Z` speaker-zone wiring is supported — as well as split-zone, (A / B) speaker-zone wiring configurations on Style “Y”. Model ZAM-180 can be configured to provide 150 watts of audio at 25VRMS or 180 watts of audio at 70VRMS.

Model ZAM-180 takes one (1) module space, and mounts directly on back box or optional Model CAB-MP mounting plate. Model ZAM-180 is capable of amplifying any of the eight (8) digital audio channels that are transmitted from Model DAC-NET; via the digital audio bus audio serial Interface (Model ASI).

Model ZAM-180 is supervised for functionality.

Model ZAM-180 can be used as a single, 180-Watt speaker zone for (1) one-to-eight (8) channel applications, or as a bulk amplifier for (1) one-or-two (2) channel applications feeding high-level audio to Model ZIC-4A or Model ZIC-8B. The speaker lines are supervised for open, short-circuit and ground-fault applications, and are supervised in both the active and inactive states.

To provide amplifier backup, additional Model ZAM-180 modules can be used to achieve the desired amplifier backup ratio of 1-to-1 or 1-to-many.

Model ZAM-180 takes one (1) sub-address of Model DAC-NET, and receives control and communication data from Model DAC-NET, via the CAN Bus on the DAC-NET.

Model ZAM-180 contains an inherent degrade-mode backup tone (Slow Whoop), which serves as a secondary backup to the primary backup tone or digital message provided by Model DAC-NET. Additionally, local audio input is provided to connect an external audio source. The local audio input is activated, via an external contact. The local-audio input has the lowest priority of all signals.

Application Note

Model ZAM-180 meets the  UL464 requirement for 520 Hz low-frequency signal tone, as described in the section for **Determination of Low Frequency Signal Format** in the **Standard for Audible Signal Appliances** — when used with Models ‘SEH’ and ‘SEFH’ series of Siemens high-fidelity notification appliances.

Typical Applications

Emergency

- * Fire Evacuation
- * Tornado Alert
- * Terror Alert
- * Building Emergency

Non-Emergency

- * Convenience Paging
- * Background Music

Temperature and Humidity Range

Model ZAM-180 is @UL 864 9th Edition Listed for indoor dry locations within a temperature range of 120 +/- 3°F (49 +/- 2°C) to 32 +/- 3°F (0 +/- 2°C) and a relative humidity of 93 +/- 2% at a temperature of 90 +/- 3°F (32 +/- 2°C).

Electrical Ratings

Input Power		
24V Back Plane Current		0mA
24V Current (Screw Terminal)	@ 190W	9.5A
	@ 90W	4.9A
	@ 45W	2.7A
	@ 0W	0.3A
6.2V Back Plane Dry Contact		0mA
24V Current (Standby)		300mA

Maximum Output Power	
@ 190W	150W
@ 90W	190W
@ 45W	165W
6.2V Back Plane Current	24V @ 10A power limited

Details for Ordering

Model	Part Number	Description
ZAM-180	500-035600	180-Watt Zone Amp.

Notice: This marketing data sheet is not intended to be used for system design or installation purposes. For the most up-to-date information, refer to each product's installation instructions.