



# 100 Watt Voice Evacuation System



This highly efficient, modular, state of the art emergency communications system designed to be the voice evacuation extension of an existing fire alarm system.

The main control panel (ZT-MNS-100BAS) accommodates virtually any host fire alarm system, integrating quickly and easily from a single primary connection to an alarm / NAC output from the FACP.

The main control panel is setup as a Class D, 100 watt digital audio power amplifier. It drives x4 separate and selectable power-limited speakers circuits in its standard configuration. Each speaker circuit is continuously supervised, even whilst activated.

**Need More Power?** Just simply connect a 100 watt booster panel (ZT-MNS-APB) in series, if you still need more, just add another one as many times as you like.

## Simple Connection from FACP

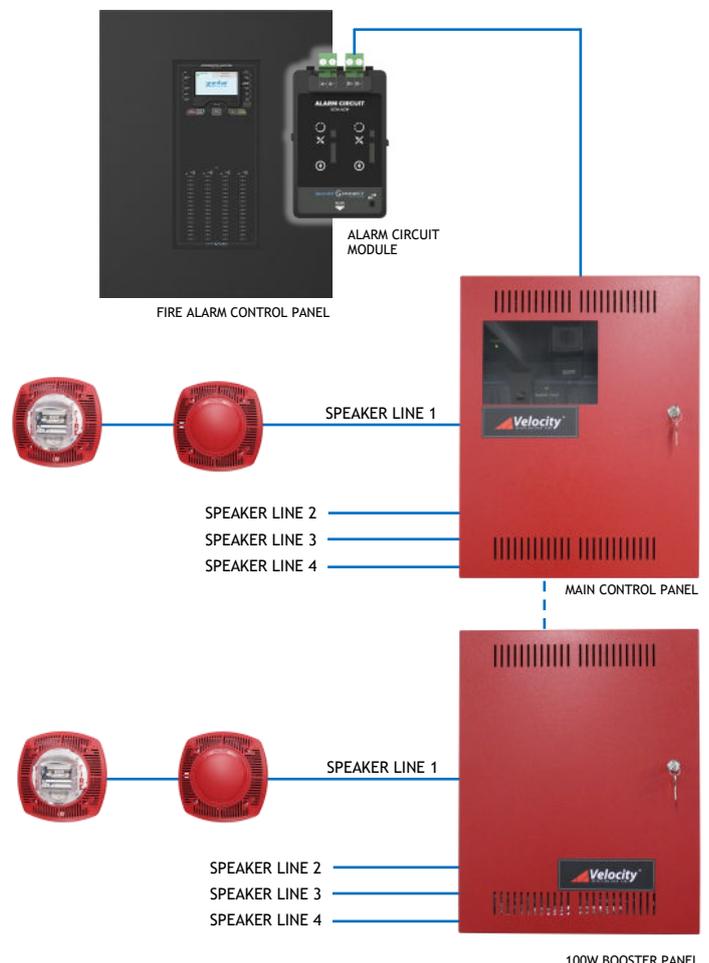
### Features

#### 100 Watt Control Panel Features (ZT-MNS-100BAS)

- ◆ Highly efficient Class D digital audio amplifier
- ◆ Audio 100W; 25 Vrms (70 Vrms optional - see overleaf)
- ◆ 4 speaker circuits (4 Zones) - Class A or B wiring
- ◆ Reverse polarity supervised FACP-NAC primary input
- ◆ Supervised dry contact primary activation input
- ◆ 2 standard messages preloaded, ready to go
- ◆ Prioritized contact closure activation inputs
- ◆ Remote microphone input
- ◆ Aux audio inputs for paging, background music, and remote system control
- ◆ 120/240V 50/60 Hz Input
- ◆ Power Supply, Charger and Battery Backup included

#### 100 Watt Power Booster Panel (ZT-MNS-100APB)

- ◆ Highly efficient Class D digital audio amplifier
- ◆ Audio 100W; 25 Vrms (70 Vrms optional - see overleaf)
- ◆ 4 Speaker Circuits (Class A or B wiring)
- ◆ Supervised dry contact closure primary activation input



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## Speakers & Strobes

The range of audio and visual devices come equipped with a high quality speaker and xenon flash strobe generating a high intensity light visible from all sides. ANSI/UL Listed for fire protective signalling systems.

**Indoor** Input Watts 1/8W, 1/4W 1/2W 1W, 2W, & 4W Candela Output 15, 30, 75, 95 & 115

**ZT-SSPKCLP** Universal Mount Speakers -25 OR 70.7 VRMS

**ZT-SSPK24 CLP** Ceiling Mount Speaker/Strobe -25 OR 70.7 VRMS, Selectable Candela

**ZT-SSPK24 WLP** Wall Mount Speaker/Strobe - 25 OR 70.7 VRMS, Selectable Candela



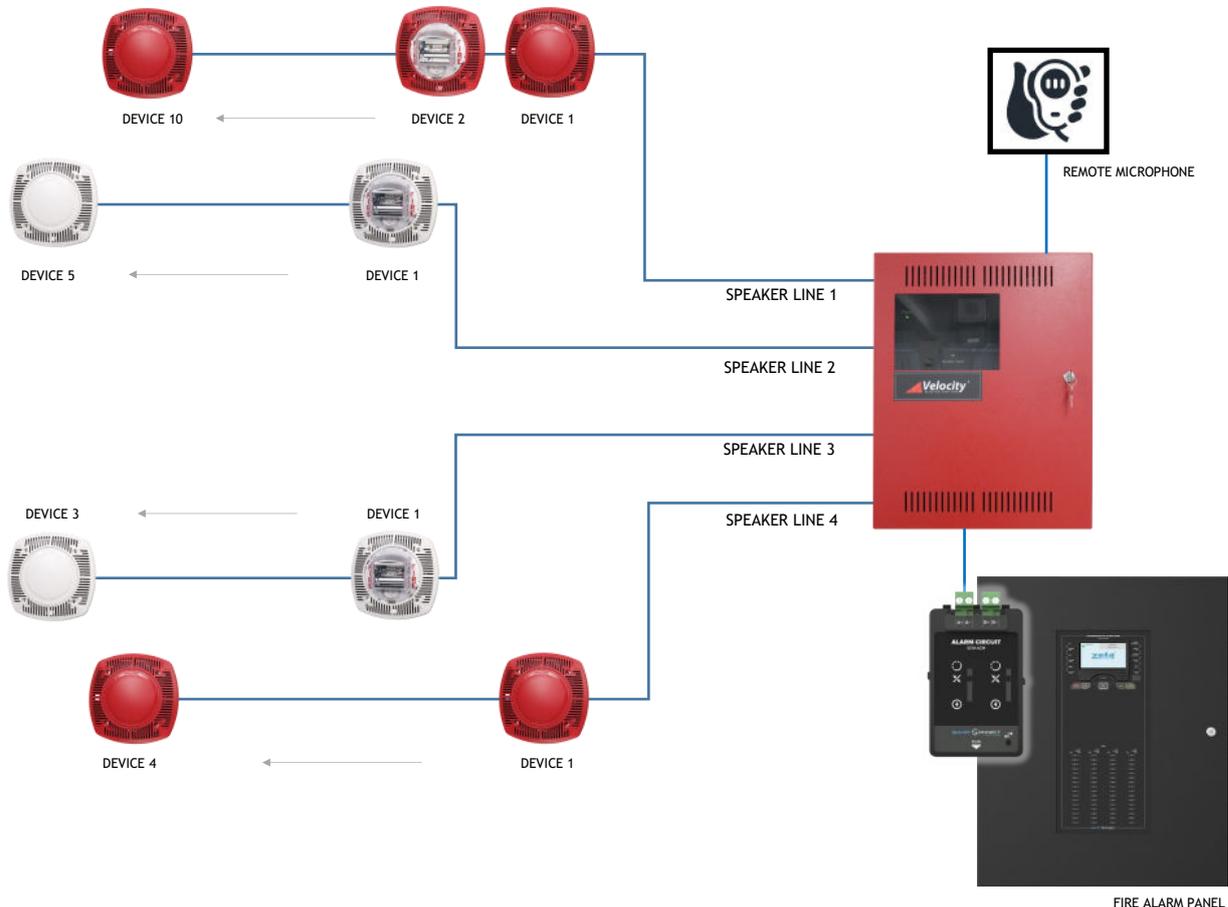
**Outdoor** Input Watts 1/8W, 1/4W 1/2W 1W, 2W, & 4W Candela Output Fixed 15/75

**ZT-WSSPK24-15/75WLP** Wall Mount Speakers/strobe - 25 OR 70.7 VRMS, Fixed 15/75 Candela

**High Output** Input Watts 1/2W 1W, 2W, 7.5W & 15W

**ZT-SSP-15** Speaker Only 25 W Indoor / Outdoor - 25 OR 70.7 VRMS

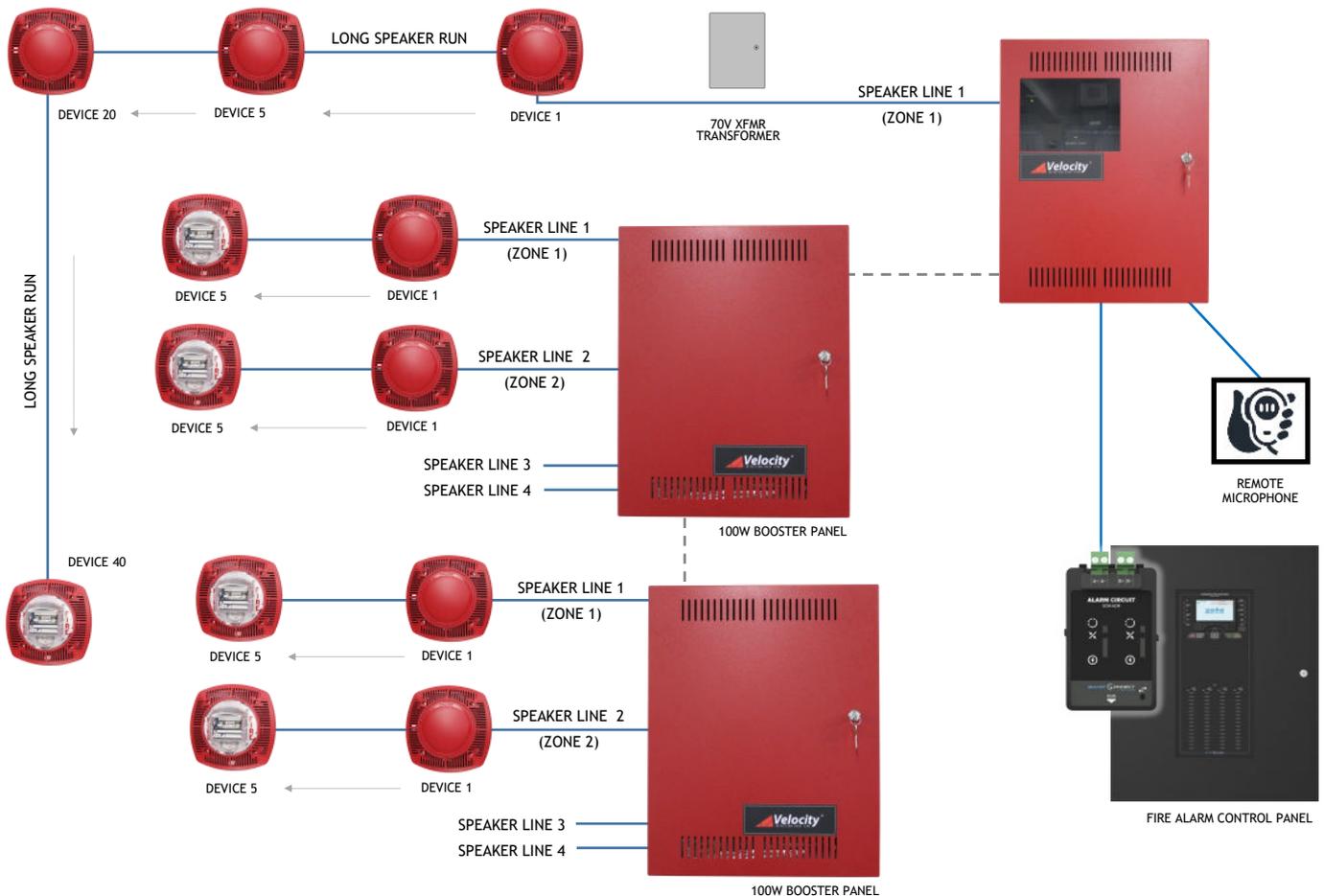
## Layout Drawing - Single control panel with additional remote microphone



# 100 Watt Voice Evacuation System



Layout Drawing - Single panel with Long Speaker Run, with an additional 2 x Booster Panels and Remote Microphone



## Optional Extras

### 70 Volt Transformer (ZT-MNS-70V-XFMR)

Provides a simple means to significantly increase the distance between the control panel (ZT-MNS-100BAS) and various speakers can be located connected to it. Converts the 25 VRMS speaker output to 70 VRMS, reducing power losses in long wire runs thereby reducing power losses in long wire runs.



### Remote Microphone (ZT-DVS-RW/B)

For use with the ZT-MNS-100BAS Panel. Only one remote microphone can be used with each audio panel. The microphone can be located up to 100ft from the main panel and to provide paging and live 'override' of the pre-recorded message and alert tones.



### Relay Card (ZT-MNS-3-REL)

Provides 3 Form-C Relay outputs to the ZT-MNS-100BAS control panel & allows connection to the ZT-MNS-APB booster panel. The three outputs are typically used as Active, Trouble, and a spare, but can be configured for any application required.

The Form-C contacts provide Normally Open (N.O.) and Normally Closed (N.C.) operation. Each is rated for 30Vdc and 3Amps.

