



*Shown with optional equipment*

## INTEGRATED MARINE PUBLIC ADDRESS / COMMUNICATIONS & LOUD HAILING SYSTEMS

- Stand-alone, hot standby or duplicated systems with network options
- Digital Signaling Processing (DSP)
- Safety and security options
- Field configurable zones, I/O and access panels
- UKOOA, PFEER, IMO, ABS, SOLAS
- PBX interface & feedback eliminator (options)
- Full touchscreen control options
- Redundant access panels
- High power speaker and amplifiers up to 3000 watts
- Unlimited zone capability
- Remote I/O for integration into fire & gas, automation or safety systems
- Digital message storage, up to 128 messages standard
- Portable media player input

# Marine Public Address General Alarm System

Model M-PAS

Federal Signal's Marine Public Address System (M-PAS) meets the stringent requirements of the marine market, specifically ships, and mobile and fixed offshore units. This system conforms to worldwide regulations to provide a Public Address and General Alarm system that fully operates in marine rated environments.

The M-PAS can be integrated across a multitude of platforms and networks, making it an ideal solution for small and large systems. Its flexibility ranges from being wired for a small single loop configuration to a large redundant duplicated system.

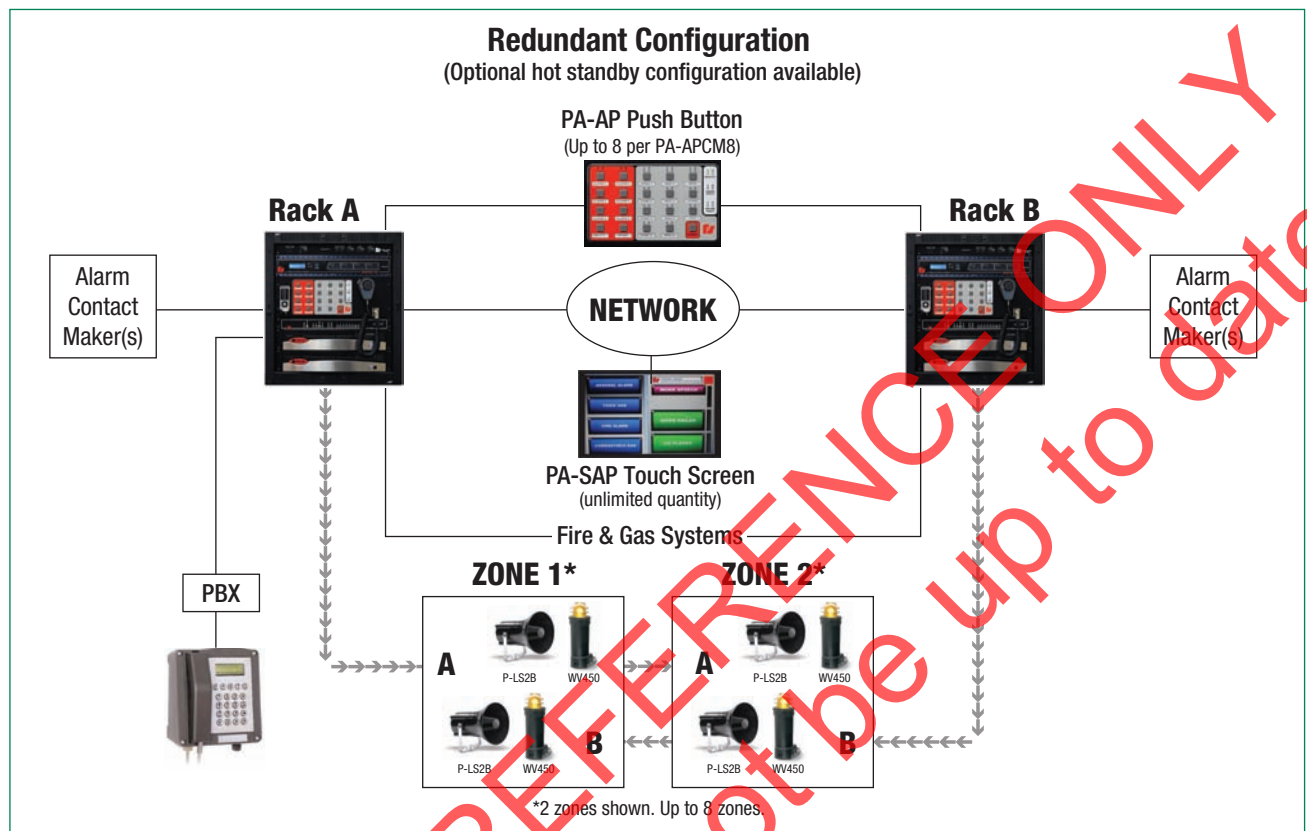
On-board digital signal processors (DSP) provide tone generation and pre-recorded voice messages. Analog audio inputs permit seamless integration of external tone generators and intercom systems. Scalable I/O allows you to integrate third party alarm systems and auxiliary signals, such as fire & gas detection controls and beacons, for a completely integrated emergency notification system.

A programmable control multiplexer allows for up to eight redundant field access panels per PCM-8. Touchscreen access panels with custom graphical user interface (GUIs) are a common option. Options such as the PBX Interface & Feedback Eliminator offer unsurpassed audio quality. Multiple zones with different audio programs or signals are standard.

User controls and fault reporting are easily accessed on the optional touchscreen PC or remotely via a laptop computer or Windows™ – based user interface.



## MARINE PUBLIC ADDRESS SYSTEM (M-PAS)



### HOW TO ORDER

#### M-PAS SYSTEM RACK:

- PA-M-W** PA-System, Wall Mount 18U, up to 8 Zones. Includes 1 x PA-IPAC Controller, 1 x PA-APCM8 Hard Access Panel Module. Amps and access panels ordered separately.
- PA-M-F** PA-System, Floor Mount 42U, bottom entry, up to 8 x Zones. Includes PA-IPAC Controller, PA-APCM8 Hard Access Panel Module. Amps and access panels ordered separately.

#### AMPLIFIER SELECTIONS:

Up to 4 per rack cabinet of the same type.

- CTS2000-120** Two Zone, 2 x 500W zones, 120VAC operation
- CTS2000-240** Two Zone, 2 x 500W zones, 240VAC operation
- CTS2000-120-S** Two Zone, 2 x 500W zones, 120VAC operation, Supervision (Amp / Speaker Line)
- CTS2000-240 -S** Two Zone, 2 x 500W zones, 240VAC operation, Supervision (Amp / Speaker Line)

#### ACCESS PANEL SELECTIONS: Max of 8 per PA-APCM8 module

- PA-AP** Hard Access Panel Desk Mount
- PA-AP-19** Hard Access Panel 19" Rack Mount
- PA-SAP\*** Soft Access Panel (Touchscreen GUI) unlimited quantity  
*\*Requires PA-NS network switch option*

- PA-SAP-19** Soft access panel mounted on plate for use in 19" racks or control consoles

- PA-RMS** Remote Mic Station

#### M-PAS RACK OPTIONS:

- PA-TZM8** Telephone Zone Management Module, 8 Zones, Store and Forward (Feedback Control)
- PA-NS** Network Switch (1 per node/rack), required for IP connectivity and soft access panel operation
- PA-HSM** Hot Standby Module
- PA-BPC** Beacon Power Circuit, for control and initiation of field beacons (single color)

#### REPLACEMENT / SPARE PARTS:

- PA-MPAC** Digital Processing Controller
- PA-APCM8** Access Panel Controller, 8 Channels