

HM-ICSC-2200 & 2200-EPIC SERIES

INTEGRATED PUBLIC ADDRESS / TALKBACK / GENERAL ALARM SYSTEM

FEATURES:

- Unlimited Watts of power (rms) for public address, talkback and loudhailer functions
- AllCall/zone-paging interface from dial telephone system (optional)
- Modular solid-state architecture
- Standby amplifier with automatic switch-in
- Continuous system and speaker line supervision with "Auto-Fault" diagnostics
- In-cabinet field termination
- Fog and alarm signal support (optional)
- "Swing-Frame" access to all main components for simplified installation and servicing
- Auxiliary input for shipwide music distribution equipment (HM-SRE), AVAD, closed circuit television, television distribution, video information
- Shock mounts
- Fully expandable upon customer application
- ABS Approved

**DESCRIPTION:**

The HM-ICSC-2200 & 2200-EPIC Series communication systems provide the first ABS Type Approved integrated public address / talkback / general alarm system in one main equipment cabinet specifically designed for marine applications. The equipment compliment provides public address amplifiers to support up to 6 addressable PA zones plus AllCall, up to 18 talkback zones/locations plus AllCall and 4 distinct alarm tone applications, "hot" standby redundant amplifier, power supply, monitor panel, cooling fan, and control card circuitry. All main modules in the HM-2200 Series systems are readily accessible via in-cabinet "swing-rack" for easy maintenance. Redundant features and continuous supervision allow the HM-2200 Series to eliminate the need for stand-alone general alarm systems.

The HM-2200 Series can be customized to shipyard / owner specifications with additional options available such as digital message delay, which greatly reduces the echo found in cavernous spaces.

SYSTEM SPECIFICATIONS for Single Cabinet Configuration

Max. PA Zones / Groups	6 plus AllCall	Max. Speaker Lines / Runs	4 per PA zone (60W max. per run)
Simultaneous Channels	4 typical (load/zone dependent)	Distortion	< 5% (overall)
PA Speaker Line Feed	70.7V Line balanced	Compression	Variable 0 - 20dB
Frequency Response	500-5KHz± 6dB		

SUPERVISION**TALKBACK**

Speaker Line Supervision	Continuous DC Loop, open/short/either side GND detect	Max. TB Stations	18 (inc. Masters)
Amplifier Supervision	Continuous 32KHz detect	Max. TB Zones/Groups	2 (may be overlapping)
Automatic Amplifier Substitution Time	Max. 1.0 sec. After failure	Simultaneous TB Channels	2 (load dependent)
Internal Test Tone Level	1KHz (pulsed or continuous), -15dBrc		

INPUTS**PRIMARY INPUTS****SECONDARY INPUTS**

Master	One (600 Ohm/Mic equipped)	PBX Page Input	Two (-15Bm, 600 Ohm)
Remote	Up to 3 (600 Ohm/Mic equipped)	Aux/SRE Input	One (1V rms, -15dBm)
		External Contactors	8 max., Dry contact, make on close or open

POWER**PHYSICAL**

Power Required	115 VAC/60Hz Standard 220 VAC and 24 VDC Optional	Ordering Options	Enclosure Dimensions		
Input Limiting/Transient Protection	Yes	HM-ICSC-2225	45.93"	23.62"	22.65"
		HM-ICSC-2216	30.18"	23.62"	22.65"
		HM-ICSC-2213	24.93"	23.62"	22.65"