

# INTEVIO Amplifier

HAM-2000

## About The INTEVIO Public Address And Voice Alarm Range

Honeywell's INTEVIO Public Address and Voice Alarm system is the ideal solution for single buildings. It is an integrated solution that can provide better stability, cost-savings, and higher user experience and performance:

### Features :

- Class-D technology, high efficiency and low power consumption
- Maximum 500W rated output power
- Supports 70V/100V audio outputs
- Supports balanced or unbalanced audio inputs
- Supports 100V audio input
- Forced air cooling
- Automatically limits the output voltage
- Supports automatic protection and fault detection

## Functions

### Input/output

HAM-2000 supports balanced/unbalanced audio inputs and 100V/70V speaker outputs. It also has a 100V audio input port to connect with the output from other amplifier so that the output power can be increased easily. A contact output is provided to send out the fault status to 3rd system when a fault is detected. Through the RJ45 port, HAM-2000 receives the audio signal and control signal from the controller HCU-2000 or the zone expander HEX-8/HEX-24 and sends back the fault status.



HAM-2000

## Description

HAM-2000 high efficiency power amplifier provides audio signal amplification for the INTEVIO voice alarm and public address system. It is reliable, efficient and light in weight.

### Automatic fault detection and self-protection

HAM-2000 can self-protect from overheat, overcurrent, overvoltage, undervoltage, overload and short circuit. For example, when the internal temperature reaches its critical limit, the overheat protection circuit will shut down the power amplification module and activate the protection indicator light on the front panel. HAM-2000 can detect power supply errors automatically during operation. The built-in fuse will provide overcurrent protection to the main power supply. When a short circuit is detected in the main power circuit, the power will be automatically shut down and the backup power will then be enabled to replace the main one.

## FEATURES & BENEFITS

- 500W high efficiency Class-D amplifier
- High flexibility: with 100V/70V output & 100V audio input
- Enhanced reliability: automatic fault detection, self-protection & forced air cooling fan

# HAM-2000 Technical Specifications

PARAMETERS	VALUES
MAIN POWER SUPPLY VOLTAGE	~ 220V-240V 50/60Hz
BACKUP POWER SUPPLY VOLTAGE	~ 220V-240V 50/60Hz
POWER CONSUMPTION	<720W
MAIN POWER SUPPLY FUSE	T10AH 250V
AMPLIFIER OUTPUT	70V / 100V
RATED OUTPUT POWER	500W
FREQUENCY RESPONSE	80Hz~18KHz (+1dB ~ - 3dB)
INPUT IMPEDANCE	20KΩ
INPUT SENSITIVITY(RJ-45)	1.4V
AUX. INPUT 1	1.4V
AUX. INPUT 2	100V
AUDIO CASCADE OUTPUT	1.4V
SNR	100 dB ±5%, A weighted
NON-LINEAR DISTORTION	<0.1% (at 1/3 rated power, 1kHz)
INDICATOR LIGHTS	Power, main power fault, backup power fault, protection and signal level indicator.
COOLING METHOD	Air cooling
HUMIDITY	< 95%, without condensing
OPERATING TEMPERATURE	-10°C~+55°C(14°F to +131°F)
STORAGE TEMPERATURE	-40°C~+70°C(-40°F to +158°F)
PRODUCT DIMENSION (W*H*D)	482 mm×88 mm ×407 mm
PACKAGE DIMENSION (W*H*D)	580 mm×235 mm ×552mm
NET WEIGHT	10.6Kg
GROSS WEIGHT	13.2Kg

*Note: Honeywell reserves the right, without notification, to make changes in product design and/or specifications.*

## Certifications and Approvals

CATEGORY	REGION	CERTIFICATION
SAFETY	Europe	CE Certified
SAFETY	Global	CB Certified

## Ordering Information

DESCRIPTION	MODEL#
AMPLIFIER	HAM-2000

