

Intevio Controller

HCU-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:

Better safety and stability

- Complies with international standards
- A highly compact and integrated system
- Simple and easy to use with an innovative design
- Provides easy access to status updates, amplifier backup, logging and direct paging capabilities

Highly efficient solution

- Plug-and-play with default settings
- Intuitive set-up with step-by-step guided interaction between buttons and screens
- Can achieve all calls by configurable keys
- Auto configures when components are physically connected

Description

HCU-2000 controller is the core unit of INTEVIO VA/PA system which performs the audio storage, signal processing, routing, control and supervision functions for the whole system. With the built-in 500W Class-D amplifier, the single controller can work as an 8-zone VA/PA system. When more power and speaker zones are needed, it can be expanded by using external power amplifier HAM-2000 and zone expander HEX-8/HEX-24.

Functions

The controller integrates multiple functions such as audio storage, playback, zone control, audio monitoring, scheduled broadcast and fault diagnosis, etc.

Intuitive interaction design between buttons and screen

After pressing a button on the front panel, clear instructions will pop up on the LCD screen to guide the user what to do next. This can prevent mistaken operations and increase operation efficiency.



HAM-2000

Automatic fault diagnosis

HCU-2000 has power automatic fault diagnosis function to supervise various types of faults such as main power, backup power, CPU, microphone, power amplifier, speaker circuits, dry contact inputs, etc. All the fault information will be displayed on the LED indicators and LCD screen and the fault logs will be kept in the internal memory.

Allow all call even the CPU malfunctions

Even if the CPU of the controller malfunctions, INTEVIO system still allows user to deliver paging to all the zones with the PTT microphone or the call station. This function can increase the safety level during emergency.

Scheduled broadcast with built-in timer

HCU-2000 has a built-in timer and supports configurable scheduled broadcast without extra timing device.

Record and play

HCU-2000 allows user to record the temporary messages to its built-in 1GB memory with the PTT microphone or the call station and broadcast it without configuration. It's a function for operation efficiency improvement, especially for the application such as shopping mall/supermarket where the promotion message needs to be frequently updated.

Cost saving amplifier backup solution

HCU-2000 has built-in amplifier automatic switch-over function and allows different amplifier backup configurations to address the needs of different applications. To back up all the amplifiers in the system, a minimum of one standby amplifier is sufficient, which greatly reduces the ownership cost on standby amplifiers.

FEATURES & BENEFITS

- Integrated voice alarm and public address system controller with built-in 500W amplifier
- Numerous user friendly design to increase operation efficiency: plug and play, record and play, mobile APP control, interaction between LCD and buttons, etc
- Save total ownership cost by implanting recorder, timer, audio monitor and one-for-all backup amplifier solution

HCU-2000 Technical Specifications

PARAMETERS	VALUES
MAIN POWER SUPPLY VOLTAGE	AC 220-240V, 50/60Hz
BACKUP POWER SUPPLY VOLTAGE	AC 220-240V, 50/60Hz
MAIN POWER SUPPLY FUSE	T10AH 250V
RATED POWER	750W
MICROPHONE INPUT	
INPUT SENSITIVITY	-65±3dBV
INPUT IMPEDANCE	250Ω
FREQUENCY RESPONSE	90 Hz -13KHz
SNR	>50dB (with A-Weight)
AUXILIARY INPUT	
CHANNELS	2
INPUT SENSITIVITY	1V (0dBV)
INPUT IMPEDANCE	10 KΩ
FREQUENCY RESPONSE	85Hz-18KHz
SNR	>77dB (with A-Weight)
MIC/LINE INPUT	
INPUT SENSITIVITY	-50dBV/0dBV, selectable
INPUT IMPEDANCE	10 KΩ
FREQUENCY RESPONSE	85Hz-18KHz
SNR	>77dB (with A-Weight)
PHANTOM POWER	DC 24V, switchable
CALL STATION INTERFACE	
INPUT SIGNAL	2V
INPUT IMPEDANCE	20 KΩ
OUTPUT SIGNAL	2V
OUTPUT IMPEDANCE	20 KΩ
FREQUENCY RESPONSE	85Hz-18KHz
AUDIO OUTPUT	
OUTPUT CHANNELS	Channel 1, channel 2 and recording output
OUTPUT SIGNAL	1V (0dBV)
THD	<0.5%
AMPLIFIER CONTROL INTERFACE	
CHANNELS	3 (channel 1, channel 2 and backup amplifier)
OUTPUT SIGNAL	1.4V
THD	<0.5%
CONTROL SIGNAL	Self-test signal, amplifier fault signal and power saving control signal
LOUDSPEAKER CIRCUITS	
OUTPUT CHANNELS	8 (with group A and group B)
MAXIMUM LOUDSPEAKER LOAD	500W

PARAMETERS	VALUES
CONTACT INPUT /OUTPUT	
CONTACT INPUTS	10 (monitored)
CONTACT OUTPUTS	8 (NO, NC & COM), "fault" output, "emergency" output
MAX. WORKING VOLTAGE FOR OUTPUTS	AC 250V/DC 30V
MAX. WORKING CURRENT FOR OUTPUTS	2.5A
OTHERS	
DC POWER OUTPUT	24V/1A
MONITORING LOUDSPEAKER	2W/8Ω
ETHERNET PORT	10M/100M
MEMORY CAPACITY	1GB
OPERATING CONDITIONS	
HUMIDITY	< 95%, without condensation
OPERATING TEMPERATURE	-10°C~+50°C (14°F~+122°F)
STORAGE TEMPERATURE	-40°C~+70°C (-40°F~+158°F)
WEIGHTS AND DIMENSIONS	
PRODUCT DIMENSION (W×H×D)	482 mm×133.5 mm ×420 mm
PACKAGE DIMENSION (W×H×D)	580 mm×279 mm ×552 mm
NET WEIGHT	14.3Kg
GROSS WEIGHT	17.4Kg

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

HCU-2000 Technical Specifications



Certifications and Approvals

CATEGORY	REGION	CERTIFICATION
SAFETY	Europe	CE Certified
SAFETY	Global	CB Certified

Ordering Information

DESCRIPTION	MODEL#
AMPLIFIER	HAM-2000

Partner Connect

www.partnerconnect.honeywell.com

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