

# INTEVIO 24-Zone Expander

HEX-24

## 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 :

- Supports up to 24 speaker zones
- Single channel operation
- Independent volume control for each audio channel
- 500W output capacity for each zone
- Can connect up to 6 main amplifiers and 1 backup amplifier
- Flexible amplifier backup mode, one backup amplifier can be used to back up all the amplifiers in the system
- 24 dry contact inputs (non-monitored)
- Automatic fault detection: main power, backup power, CPU, amplifier, speaker line, speaker line grounding, dry contact inputs and network.
- With one line input port, can be used in standalone mode or when the controller CPU fails
- Can work as stand alone (for PA announcements in case main Controller CPU fails) or in network mode along with HCU-2000
- Connect up to 5 units of HEX-24

## Description

HEX-24 is the zone expansion device controlled by HCU-2000, which adds 24 speaker zones and 24 contact inputs to the INTEVIO system. HEX-24 can connect with up to 6 external power amplifiers and 1 backup amplifier. The HEX-24 supports only single channel audio operation.

## Functions

### Input/output

HEX-24 has 24 contact inputs that can be linked with the fire alarm system to trigger the alert and evacuation messages when fire happens. 1 line input is provided to connect with external audio source.



HEX-24

HEX-24 has 24 nos. of 100V speaker outputs which can connect up to 24 speaker circuits. One 24VDC output is provided to power external device.

### Automatic fault diagnosis

HEX-24 has an automatic fault diagnosis function to supervise various types of faults such as main power, backup power, CPU, power amplifier, speaker circuits, communication line, etc. All the fault information will be shown on the LED indicators on the front panel.

### All calls possible even if the Controller CPU fails

The external audio source connected to the line input can still be delivered to all the local zones when the controller CPU malfunctions. This function can reduce the system downtime due CPU failure and increase the safety level during emergency.

## FEATURES & BENEFITS

- Expands up to 24 Zones for INTEVIO system
- Supports one-for-all amplifier backup
- With 1 line input and 24 contact inputs
- Automatic fault diagnosis

# HEX-24 Technical Specifications

PARAMETERS	VALUES
MAIN POWER SUPPLY VOLTAGE	AC 100-240V, 50/60Hz
BACKUP POWER SUPPLY VOLTAGE	AC 100-240V, 50/60Hz
MAIN POWER SUPPLY FUSE	T2AL 250V
RATED POWER	40W
<b>LINE INPUT</b>	
INPUT SIGNAL	1V(0dBV)
INPUT IMPEDANCE	10 K $\Omega$
FREQUENCY RESPONSE	80Hz-18KHz
SNR	>90dB, A weighted
<b>POWER AMPLIFIER CONTROL INTERFACE</b>	
CHANNEL NO.	2 (CH1 and spare amplifier)
OUTPUT SIGNAL	1.4V
THD	<0.1%
CONTROL SIGNAL	Self-testing, amplifier fault and power saving control signal
<b>LOUDSPEAKER CIRCUIT</b>	
OUTPUT CHANNEL NO.	24
MAXIMUM LOUDSPEAKER LOAD	500W
<b>CONTACT INTERFACE</b>	
CONTACT INPUT	24 contact inputs (not monitored)
<b>OPERATING CONDITIONS</b>	
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)
<b>WEIGHTS AND DIMENSIONS</b>	
PRODUCT DIMENSION (W*H*D)	482 mm×88 mm ×407 mm
PACKAGE DIMENSION (W*H*D)	580mm×235mm ×552mm
NET WEIGHT	7.8Kg
GROSS WEIGHT	10.5Kg

**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#
24-ZONE EXPANDER	HEX-24

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