

# Intevio 8-Zone Expander

HEX-8

## 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

HEX-8 is the zone expansion device controlled by HCU-2000, which adds 8 speaker zones, 8 monitored contact inputs and 8 contact outputs to the INTEVIO system. HEX-8 can connect with up to 4 external power amplifiers and 1 backup amplifier. Up to 15 nos. of HEX-8 can be used together in the system.

## Functions

### Input/output

HEX-8 has 8 monitored 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-8

HEX-8 also has 8 contact outputs that can be used to activate external devices. It has 8 pairs of 100V speaker outputs where each one allows multiple loudspeakers to be connected in parallel. Two audio output ports for audio channel 1 and audio channel 2 can be used to connect with 3rd party power amplifiers or devices. One 24VDC output is provided to power external device.

### Automatic fault diagnosis

HEX-8 has power automatic fault diagnosis function to supervise various types of faults such as main power, backup power, CPU, power amplifier, speaker circuits, dry contact inputs, communication line, etc. All the fault information will be shown on the LED indicators on the front panel.

### Allow broadcast even the controller CPU malfunctions

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 8 Zones for INTEVIO system
- Supports single audio channel mode & dual audio channel mode
- Supports one-for-all amplifier backup
- Automatic fault diagnosis
- With 1 line input, 8 monitored contact inputs and 8 contact outputs

# HEX-8 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	35W
<b>LINE INPUT</b>	
INPUT SIGNAL	1V(0dBV)
INPUT IMPEDANCE	20 K $\Omega$
FREQUENCY RESPONSE	80Hz-18KHz
SNR	>85dB, A weighted
<b>AUDIO OUTPUT</b>	
OUTPUT CHANNELS	CH1, CH2
OUTPUT SIGNAL	1V(0dBV)
THD	<0.1%
<b>POWER AMPLIFIER CONTROL INTERFACE</b>	
CHANNEL NO.	3 (CH1, CH2 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.	8 (with group A and group B)
MAXIMUM LOUDSPEAKER LOAD	500W
<b>CONTACT INPUT / OUTPUT</b>	
CONTACT INPUTS	8 monitored contact input ports
CONTACT OUTPUTS	8 contact output ports (NO $\boxtimes$ NC and COM)
MAX. WORKING VOLTAGE FOR OUTPUTS	AC 250V/DC 30V
MAX. WORKING CURRENT FOR OUTPUTS	2.5A
<b>OTHERS</b>	
DC POWER OUTPUT	24V/1A
<b>OPERATING CONDITIONS</b>	
HUMIDITY	< 95%, without condensing
OPERATING TEMPERATURE	-10 $^{\circ}$ C~+55 $^{\circ}$ C(14 $^{\circ}$ F to +131 $^{\circ}$ F)
STORAGE TEMPERATURE	-40 $^{\circ}$ C~+70 $^{\circ}$ C(-40 $^{\circ}$ F to +158 $^{\circ}$ F)
<b>WEIGHTS AND DIMENSIONS</b>	
PRODUCT DIMENSION (W*H*D)	482 mm $\times$ 88 mm $\times$ 407 mm
PACKAGE DIMENSION (W*H*D)	580mm $\times$ 235mm $\times$ 552mm
NET WEIGHT	7.5Kg
GROSS WEIGHT	10.3Kg

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

# HEX-8 Technical Specifications



## Certifications and Approvals

CATEGORY	REGION	CERTIFICATION
SAFETY	Europe	CE Certified
SAFETY	Global	CB Certified

## Ordering Information

DESCRIPTION	MODEL#
8-ZONE EXPANDER	HEX-8

### Partner Connect

[www.partnerconnect.honeywell.com](http://www.partnerconnect.honeywell.com)

### Honeywell Security and Fire (APAC and ASEAN)

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