

# 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:

### Features :

- Supports up to 8 speaker zones
- Dual channel operation to support two audio channels simultaneously.
- Independent volume control for each audio channel
- 500W output capacity for each zone
- Can connect up to 4 main amplifiers and 1 backup amplifier
- Flexible amplifier backup mode, one backup amplifier can be used to back up all amplifiers in the system
- 8 monitored dry contact inputs
- 8 dry contact outputs
- Supports 3-wire and 4-wire volume controllers
- Automatic fault detection: main power, backup power, CPU, amplifier, speaker line, speaker line grounding, dry contact inputs and network.
- Can be used with one line input port, in standalone mode or when the controller CPU fails
- 24DC output, to power external devices such as volume controller
- Can work as stand alone (for PA announcements in case main Controller CPU fails) or in network mode along with HCU-2000
- Connects up to 15 units of HEX-8

### 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. The HEX-8 is used primarily when dual channel audio is required for a project



HEX-8

### Functions

#### Input/output

HEX-8 has 8 monitored contact inputs that can be linked with the fire alarm system to trigger alert and evacuation messages when fire happens. 1 line input is provided to connect with an internal audio source.

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 an 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.

#### 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 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, 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°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	7.5Kg
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