INTEVIO Zone Expander
RK-ZONE8

Honeywell INTEVIO Public Address and Voice Alarm range

Honeywell's INTEVIO Public Address and Voice Alarm system is the ideal solution for operators of small and mid-sized buildings. It offers a cost effective, integrated system providing a stable, flexible and easy to use PA/VA solution.

DESCRIPTION

RK-ZONE8 is a zone extension device to expand the number of loudspeaker lines and interfaces on an INTEVIO system. The RK-ZONE8 provides interfaces for 16 loudspeaker lines (corresponding to 8 zones), 8 dry contact inputs and 8 dry contact outputs. External power amplifiers must be connected to drive all the loudspeakers.

FUNCTIONS

RK-ZONE8 has 8 monitored contact inputs that can be linked with a fire alarm system to trigger alert and evacuation messages if a fire occurs. 1 line input is provided to connect with an internal audio source.

RK-ZONE8 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 devices.

Automatic fault diagnosis

RK-ZONE8 has an automatic fault diagnosis function to monitor various types of fault such as main power, backup power, CPU, power amplifier, speaker circuits, dry contact inputs and communication line. All fault information is shown on the LED indicators on the front panel.

RK-ZONE8

All calls possible even if the Controller CPU fails

In the event of a controller CPU malfunction, audio can still be delivered to all the local zones from an external source connected to the line input. This function can reduce potential system downtime and ensures operation in the event of emergency.

FEATURES

- Expands up to 8 zones for the INTEVIO system
- Up to 15 RK-ZONE8 devices can be connected on a system
- Connects up to 4 main power amplifiers and 1 standby power amplifier

- Supports one-for-all amplifier backup
- Automatic fault diagnosis
- 24DC output, to power external devices such as volume controller
- Supports 3-wire and 4-wire volume controllers

- Single line input, 8 monitored contact inputs and 8 contact outputs
- Independent volume control for each audio channel
- Supports single & dual audio channel mode

- Automatic fault detection: main power, backup power, CPU, amplifiers, speaker lines, speaker line grounding, dry contact inputs and network.
- 500W output capacity for each zone

- Standalone operation (for PA announcements if the master control unit is unavailable) or in network mode along with the RK-MCU

RK-ZONE8 Technical Specifications

PARAMETERS	VALUES
Main power supply	AC 100-240V, 50/60Hz
Backup power supply	21.5V DC - 28.5V DC
Fuse	T2AL 250V
Power consumption	35W
LINE INPUT	
Input signal	1V(0dBV)
Input impedance	10 KO
Frequency response	80Hz-18KHz, ±3dB
SNR	>80dB, A-weighted
AUDIO OUTPUT	
Output channels	CH1, CH2
Output signal	1V (0dBV)
THD	<0.1%
POWER AMPLIFIER INTERFACE	
Number	3 (CH1, CH2 and spare amplifier)
Output signal	1.4V
THD	<0.1%
Control signal	Self-testing, amplifier fault and energy-saving signal

LOUDSPEAKER INTERFACE	
Zone number	8, each zone has 2 speaker line (A and B).
Max. load power	500W
CONTACT INPUT / OUTPUT	
Dry contact input	8 dry contact inputs with supervision
Contact output	8 dry contact output (NO, NC and COM)
Maximum voltage of the outputs	AC 250V/DC 30V
Maximum current of the outputs	2.5A
OTHERS	
DC Power output	24V/1A
WORKING CONDITIONS	
Relative humidity	< 95%, without condensing
Operating temperature	
Storage temperature	
SPECIFICATION	
Dimension (W*H*D)	482 mm×88 mm ×407 mm
Packing dimension (W*H*D)	580mm×235mm ×552mm
Net weight	7.9Kg
Gross weight	10.7Kg

CERTIFICATIONS AND APPROVALS

CATEGORY	REGION	CERTIFICATION
Voice Alarm	Europe	EN54-16 Certified
Safety	Europe	CE/CB Certified

ORDERING INFORMATION

DESCRIPTION	MODEL#
Zone Expander	RK-ZONE8

Honeywell