X-DCS2000 Honeywell Digital Integrated System Manager

Product ID: X-DCS2000

Short Description

Supports manual selection source
Supports emergency mic input
4 AUX input, 8 zone output

Description

X-DCS2000 Digital Integrated System Manager (abbr. DCS) is the basic unit of X-618 Public Address and Voice Alarm System. DCS integrates plentiful functions such as zone expansion, multiple audio sources support, audio file storage, net audio, broadcasting, zone control, monitoring, fault diagnosis etc. The supplied X-SMART management software allows users to easily and efficiently manage and control the system.

? Supports the manual selection of sound source files, zone buttons, and can be directly operated.
? Supports emergency microphone input for emergency broadcasting in the event of, for example, a fire evacuation.
? Includes different indicator lights that identify system running states.
? Performs remote paging and broadcasting operation through the NPM (Configurable

Network Paging Console).

? Includes 8 zone outputs. The number of zones can be configured through the software.

? 4 auxiliary inputs that can connect to external sound source equipment such as a CD player or tuner

? 4 noise detector input ports that can set the phantom power supply and gain of each input.

? Automatically detects loudspeaker circuit short circuits and open circuits.

? A fuse protects the main power supply. In the case of a power supply short circuit within the DCS, the system automatically disconnects the main power supply.

? Built-in loudspeaker that can monitor the zones and sound sources, as well as monitor the network audio through the NPM.

? Contains 1GB of built-in flash memory that can store recorded voice files so as to fulfill functions such as voice information broadcasting and voice synthesis.

? Can simultaneously broadcast four types of sound sources, such as voice audio sources and external input or network audio sources.

? Can automatically record operation and fault logs, and can store up to 10,000 logs of each log type (operation and fault log types).

? Supports switching between the main and backup power amplifiers, and is capable of configuring the standby mode.

? Contains a self-test function.

? Supports automatic fault diagnosis.

? Supports adjusting the broadcasting volume.

? Can define the zone and sound source names. Button function description labels are also easy to install.

? An audio matrix enables broadcasting any audio source in any zone.

? Supports setting the fire emergency broadcasting mode as required so as to improve personnel evacuation efficiency in case of an emergency.

? Supports broadcasting designated recorded voice audio at a designated time so as to allow for unattended broadcasting.

? Capable of system expansion through an Ethernet network.

Specification

Parameter	Value
Power Supply	
Main power supply	~100 - 240 V,50/60 Hz
Backup power supply	DC 21.5 V - 28.5 V
DC power output	DC24V/1A
Max. input power	120W
Rated power	50W
Audio Input	

Auxiliary input	1V(0dBV)
Input impedance	20 k?
Frequency response	60 Hz - 16 kHz
SNR	> 85 dB
Audio Output	
Audio output channels	4
Output signal	1.2V(1.6dBV)
Record output	1V(0dBV)
AVC Input	
Channels	4
Input signal	14mV(-37dBV) or 330mV (-9.6dBV), configured by switch
Input impedance	20 k?
Phantom power	DC 24V, configured by switch
Frequency response	60 Hz - 16 kHz
SNR	> 65 dB
Loudspeaker Circuit	
Output channels	8, with circuit fault detection function
Max. output load	500 W (If the line supervision is used, the load shall be less than 250W)
Trigger Input / Output	
Trigger input ports	8
Trigger output ports	8 (NO, NC and COM)
Max. working voltage	AC 250 V / DC 30 V
Max. working current	2.5 A
Others	
Monitoring loudspeaker	10W / 8?
Ethernet speed	10M / 100M
Ethernet interface number	4
Storage space	1G
Work Condition	
Humidity	
Operating temperature	-10°C ~ +55°C
Storage temperature	-40°C ~ +70°C
Specification	
Dimension (W×H×D)	482 × 88× 420 mm
Mount dimension (W×H×D)	580 × 235 × 552 mm

Net weight	9.3Kg
Gross weight	12.5Kg

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