



EKONICS

Digital Alarm and Voice Evacuation System

Description

The Ekonics is DSP based voice alarm and Public Address System. The System comprising router [Ekonics], Digital Amplifier and Power supply. This unit provides audio routing, full system control and fault reporting functions.

The Ekonics, router provides digital storage Max 12 Messages, 120 Second DVA messages, eight audio outputs and four MIC / line inputs. The router has a front panel display control interface for commissioning the system, fault monitoring and diagnostics.

Features

- 4 audio inputs to any combination of 8 or multiple of 8 outputs.
- Full system control and fault reporting functions.
- 19" Rack mountable.
- All-call or zone paging.
- Built-in 12 Programmable DVA/Alarm messages.
- 40x4 LCD Display.
- USB 2.0 Interface for PC connectivity.
- PC based Router configuration.
- 3 Levels of Password protection.
- 'Allcall' failsafe emergency evacuate alarm in the event of DSP failure.
- RS485 communication facility.
- Event log with RTC.
- User selectable Volume level & 3 Band Equalizer for audio inputs.
- Zone wise input priority level, permanent input, scheduled digital voice announcer.
- All field circuits are supervised.



EKONICS Digital Alarm and Voice Evacuation System

Specification

Primary Power

230VAC + 10% -15%, 50 Hz.

Standby Power

24V DC (Lead acid battery)

Operating Condition

Operating Temperature 0 - 49° C / 32-120° F.

Relative Humidity 93 ± 2% RH (non-condensing) at 32 ±2° C / 90 ±3° F.

Charging Circuit

Charging Voltage 28 V, ±0.5V Nominal

Charging Current 1.2A (Max.).

Ekonics

Audio Inputs : 4

Audio outputs : 8 Zone Expandable upto 64

Build in DVA / Alarm storage : Max 12 Messages,120 seconds

Analogue input interfaces : 8 Contacts (Normally Open)

Dimensions(3U) : 482.6 mm W X 134 mm H.

Amplifier

Maximum DC Current : 10Amps

Maximum Watts : 250Watt

Block Diagram

