

KAEDMU4E

DIGITAL MESSAGE UNIT



The KAE DMU4E is a fully digital play back and recording device which allows emergency and public information messages to be broadcast over a PA system.

The KAE DMU4E can record up to 4 messages, stored in a non-volatile Flash Eprom memory. The audio signal can be recorded in normal mode (16 bits linear) or double mode (8 bits with dynamic compression/expansion). In each case, the sampling frequency is 19.2 KHz, which gives a bandwidth of 9 KHz at -3 dB. The total record/play time is 3min 38sec in normal mode and 7 min. 16 sec. In double mode. The duration of each message is freely definable by the user.

The output level of each message can also be programmed. Furthermore 4 priority levels may be assigned, avoiding collisions between the several messages. The ASM4 has a built in siren (Standard NFS32001) that can be generated before each message.

Several broadcast and trigger modes can be programmed for each message, using the front panel keypad and display :

Broadcast modes :

- Continuous as long as the trigger is active.
- Infinity
- Repeat x time
- Repeat every x minutes.

Trigger modes :

- Input contacts : 1 contact per message, NO or NC, impulse or continuous.
- RS232 : the ASM4 can be completely controlled over an external equipment.
- Optocoupler : Message 1 could be triggered with a Tension level : (20-70VDC = active, 3-15VDC = non-active, 0VDC = line open). This allows a continuous control of the link between the KAE DMU4E and the fire detection system.

The KAE DMU4E is designed to be conform to the EN 60849 standards. It has a continuous self-test of its microprocessor, its memory integrity and it's A/D D/A converters. It will also centralize and record all failures and operations in the evacuation system. In case of failure, a relay output will report the default to a collection center. The unit is protected with a three level password protection system.

- 4 Messages (Total 3 min 38 sec)
- Flash Eprom Memory
- High Audio quality
- Output level control for each message
- Headset output
- 4 priority levels
- Built in Siren
- Several broadcast modes : Continuous, Repeat x time, Repeat every x minute...
- Compliant with EN 60849



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TECHNICAL SPECIFICATIONS

ELECTRICAL

Frequency Response	30 Hz to 9Khz -3dB
THD at 1KHz	Less than 0.1%
Signal to Noise Ratio	> 80dB
Audio Input	Balanced, -20dB to + 6 dB, 10Kohms
Audio Output	Balanced, -30dB to + 6db, 50 Ohms
Head Set output	50mW, Jack 6.35mm

POWER

Power Source	207VAC to 258 VAC/50Hz 20VDC to 28VDC
Power consumption	20VA/230V -0.3A/24VDC

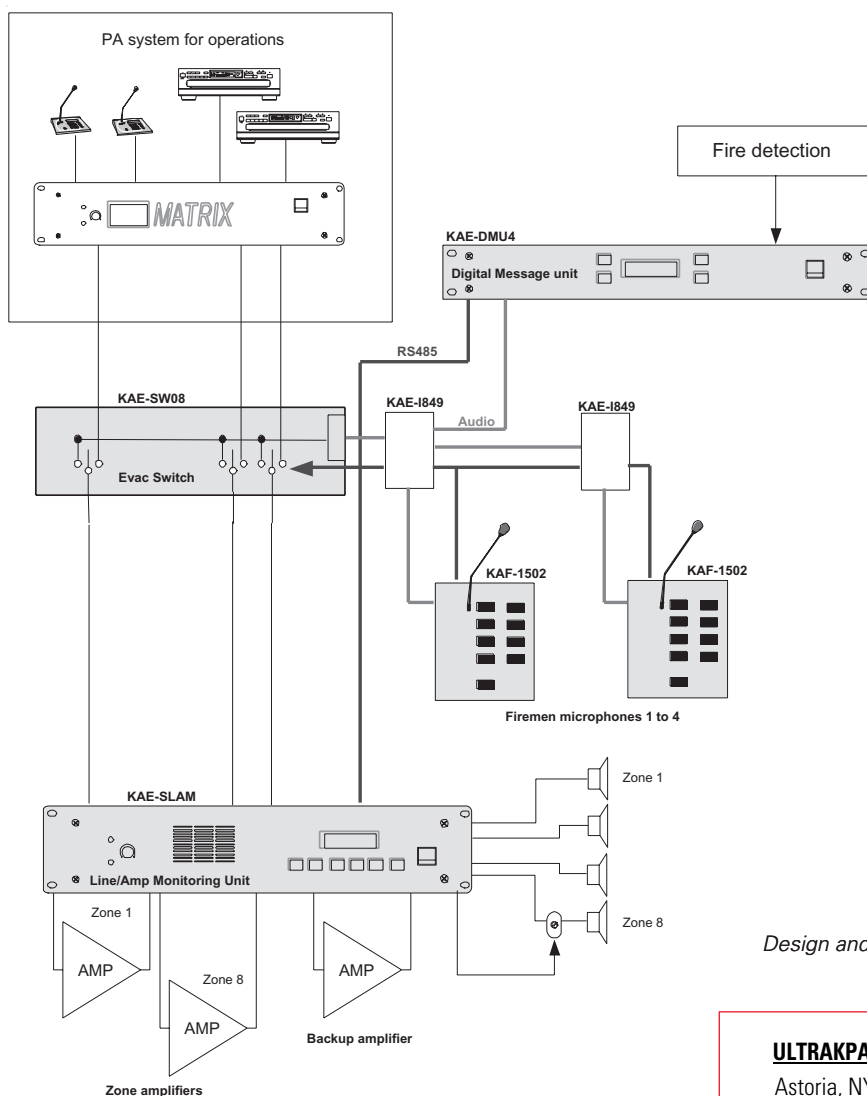
ENVIRONMENT AND MECHANICAL

Operation temperature	-10°C to + 50°C
Dimensions	L 483 x H 44 x P 200 mm
Weight	2KG

BLOCK SCHEMATIC



APPLICATION EXAMPLE



Design and specifications subject to change without notice.

Conversion: 1" = 25.4mm
Measurement conversions are approximate

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