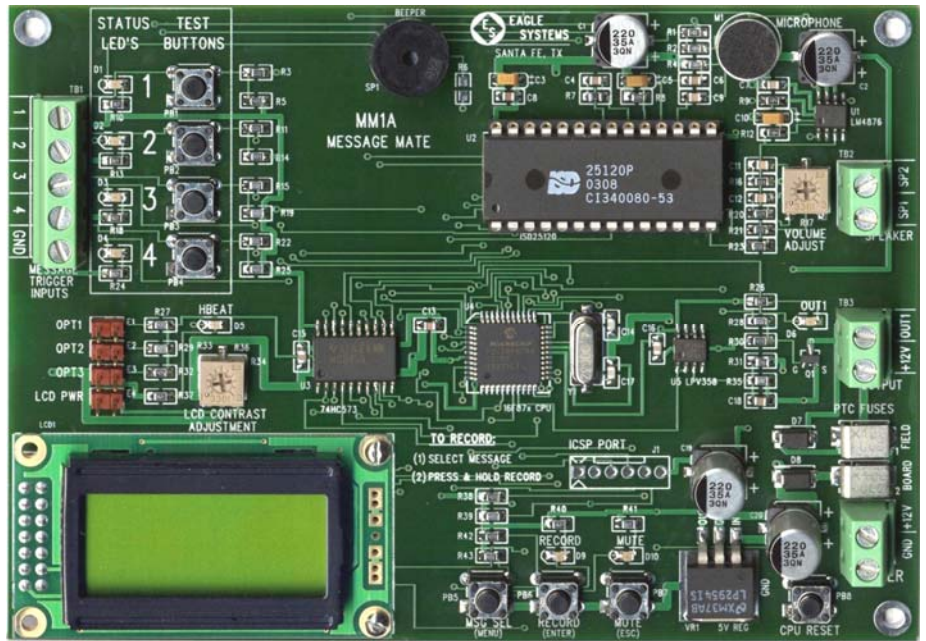


MM1a Message Mate

Four Input Event Triggered Voice Message System



Eagle Systems 10908 33rd Street, Santa Fe, Texas 77510 Phone: (409) 925-2753 www.e-sys.us

The MM1a Message Mate is a four input, event triggered message playback system, using all solid state components. All features and functions of the MM1a are microprocessor controlled using a Microchip PIC series microcontroller. The voice/playback design is based on the Information Storage Devices' ISD2500 ChipCorder series single-chip voice record/playback devices. The MM1a's 100% CMOS design includes a built-in microphone, microphone preamplifier, automatic gain control, speaker amplifier, power supply, and an external speaker jack (8 ohm speaker). The ISD components use EEPROM, and will provide up to 100 years of power-off message retention.

Each of the four message trigger inputs can be individually tested with an on-board pushbutton. For example, a nuance trigger input can be disabled without affecting the other three inputs. The MUTE push button will mute all messages when pressed (the MUTE button has a toggle action – press once to mute, press again to remove the mute).

Features

- ❑ Open Drain Output (250 mA) for “message active” indication.
- ❑ Screw lug terminal block for all field signals.
- ❑ Individual test buttons and status LED's for all four message trigger inputs.
- ❑ On-Board 8x2 LCD status display.
- ❑ Individual test buttons for all four message trigger inputs.
- ❑ On-board microphone for message recording.
- ❑ Speaker volume control.
- ❑ Mute button to silence all playback messages.
- ❑ Record inhibit jumper to prevent message recording changes.

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Applications

- ❑ Security and warning systems.
- ❑ Electronic test and measurement systems.
- ❑ Aids for the orally or visually disabled.
- ❑ Connected to PLC based system for status or alarm announcements (with dry contact relay output cards, or open collector output cards).
- ❑ Connected to proximity or motion detectors to issue warning message.
- ❑ Enhancement to existing “bell and whistle” alarm system. For example, LOW, MEDIUM, HIGH and CRITICAL alarms can be indicated with the MM1.



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