

SPECIFICATIONS:

- Operating Voltage: 11 to 14 Volts D.C.
- Adjustable current draw: 1/4 to 1.8 Amps.
- Low current triggers: 9 to 14 Volts DC @ 30 mA.
- Maximum sound level: 122 dB @ 1 meter.
- Maximum speaker loading: 4 Ohms.

FEATURES:

- Four Channels configurable as either:
 - Voice message or
 - Industrial alarm channels.
- Maximum record time is 8 minutes divided between the number of voice channels.
- Recordings stored in non-volatile memory.
- Voice channels accept momentary triggers.
- "One Shot" or Continuous voice playback settings.
- Adjustable speaker volume and current draw.
- Powerful 24 watt audio amplifier for Speakers.
- Line Level Output for Paging Systems and Amplifiers

ENVIRONMENTAL:

- 0° to 140°F, 0 to 95% RH non-condensing.



CRANE KEEPER CK-8 VOICE AND SIREN MODULE

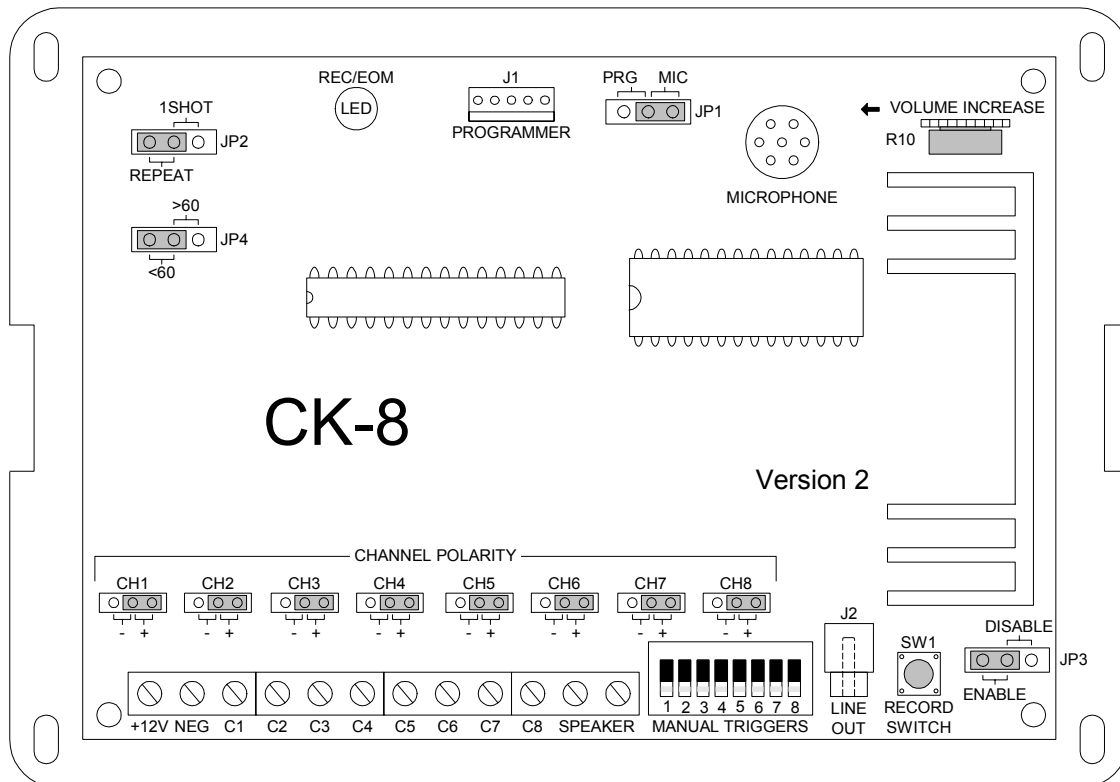


Figure 1

| Summary of Connection Terminals & Switches | |
|--|--|
| [+12V] | If using a constant 12 Volt DC power source, connect the positive side here. Nominal operating range of the CK-8 is 11 to 14 Volts DC. This input is only required if: A. Negative Triggering is used. B. Momentary activation of the channels is desired. C. The activating source equipment is current limited to 30 mA or less. |
| [NEG] | Connect to the negative side of the 12 Volt DC power source. Also connect the negative from external trigger inputs here if they are from another power source. |
| [C1] | Positive or Negative trigger input for Voice channel 1 |
| [C2] | Positive or Negative trigger input for Voice channel 2 |
| [C3] | Positive or Negative trigger input for Voice channel 3 |
| [C4] | Positive or Negative trigger input for Voice channel 4 |
| [C5] | Positive or Negative trigger input for Voice channel 5 |
| [C6] | Positive or Negative trigger input for Voice channel 6 |
| [C7] | Positive or Negative trigger input for Voice channel 7 |
| [C8] | Positive or Negative trigger input for Voice channel 8 |
| [SPEAKER] | Connect to 8 ohm speaker. (Max 4 Ohm load) |
| [Volume Control (R10)] | Adjusts volume of the speaker output. |
| [Manual Triggers] | Selects channel to be recorded. Power must be applied to the +12V and NEG terminals to use this switch. |
| [Record Switch (SW1)] | To record a message, set JP1 to MIC, activate desired channel, press SW1, then speak your message into the on-board microphone. |
| [Programmer(J1)] | Computer Sound Card Interface module connects to this 5 pin connector to allow computer WAV sound files to be downloaded into the CK-8. |

| Jumper Settings | | |
|----------------------|---------|---|
| JP1 | MIC | Record using the on-board microphone |
| | PRG | Record using the sound interface |
| JP2 | REPEAT | Continuously replays a channel while triggered |
| | 1SHOT | Plays a triggered channel only once. |
| JP3 | ENABLE | Enables the on-board record switch SW1 |
| | DISABLE | Disables record switch, prevents accidental recordings |
| JP4 | <60 | Message recordings cannot overflow into next channel |
| | >60 | Message recordings can overflow into next channel |
| CH1 thru CH8 Jumpers | | Selects either a positive or negative input trigger source for each channel |

| Message Lengths |
|---|
| Each message location is 1 minute in length. However, messages can be recorded over into adjacent locations to allow for longer than 1 minute messages. If message recordings exceed 1 minute they will overwrite the next adjacent message, thus adjacent message locations become unusable. Total message space is 8 minutes in length. |
| C1 = Up to 8 Minute Recordable Voice 1 Message |
| C2 = Up to 7 Minute Recordable Voice 2 Message |
| C3 = Up to 6 Minute Recordable Voice 3 Message |
| C4 = Up to 5 Minute Recordable Voice 4 Message |
| C5 = Up to 4 Minute Recordable Voice 5 Message |
| C6 = Up to 3 Minute Recordable Voice 6 Message |
| C7 = Up to 2 Minute Recordable Voice 7 Message |
| C8 = Up to 1 Minute Recordable Voice 8 Message |