

Self-Talker EP800A/EP800AP User's Guide

EP800A = with built-in motion sensor

EP800AP = with built-in push button

PANEL DESCRIPTIONS

ON/OFF & VOL: Power ON/OFF and volume control.

MUTE: For EP800A, pressing this button will disable the sensor for about 15 minutes, allowing store personnel to work nearby without being disturbed.

LED: Lights up when motion is detected (EP800A).

S: Motion sensor (EP800A) or push button (EP800AP)

ADJ: Adjusts the detection range (3 to 10 feet). Turning it clockwise decreases the detection range.

EPROM CARTRIDGE: Contains the EPROM chips.

BATTERIES: Use 4 "D" cell batteries.

SEC: Sets the sensor inhibit period after each playback. The number next to the jumper indicates the inhibit period in number of seconds.

DC: (on the back) Use a 9V/200mA DC adaptor with a 2.1mm center-positive coaxial plug.

SP: (on the back) 1/8" phone jack for external speakers.

CNT: (on the back) 1/8" phone jack for an external pulse counter to count the number of activations.

DIP SW: Sampling rate selection switch.

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|--|-----|-----|-----|-----|-----|-----|
| | 24K | 32K | 40K | 53K | 64K | 80K |
|--|-----|-----|-----|-----|-----|-----|

| | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|
| SW1 | ON | OFF | OFF | OFF | ON | OFF |
| SW2 | ON | ON | OFF | ON | ON | OFF |
| SW3 | OFF | ON | OFF | OFF | OFF | ON |
| SW4 | OFF | OFF | ON | ON | ON | ON |

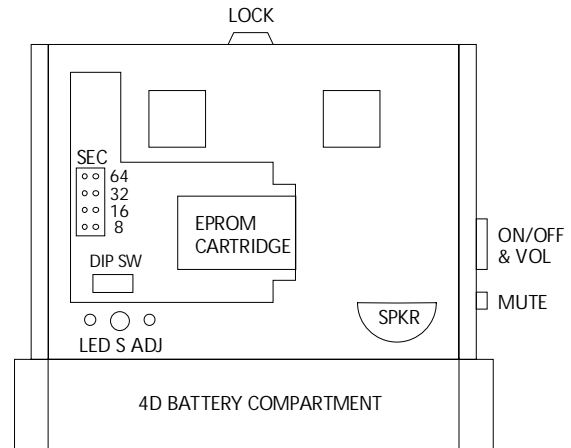
OPERATION GUIDE

ASSEMBLING THE CARTRIDGE

Install EPROM chips into the cartridge. Be carefully not to put the chips backwards. The notch on the EPROM chip should always face upward. If you are using 512K EPROMs, align the chip with the bottom of the socket. Put the first (or the only) EPROM in U1 and the second one in U2. Refer to the EPROM Cartridge Jumper Table and set the jumpers properly.

TESTING THE UNIT

Use either a 9V DC adaptor or 4 "D" cell batteries to power the unit. Pry off the protection cap on the ON/OFF switch and turn power on. Do the following to test the message: for the EP800A, wait about 3 minutes for the sensor to warm up; for the EP800AP, press the



button momentarily. Adjust the sampling rate if the message sounds too fast or too slow.

If the unit does not play, make sure the power is turned on and the volume is turned up. If the message does not play from the beginning, check the EPROM jumpers.

ABOUT THE MOTION SENSOR

The EP800A's motion sensor takes about 3 minutes to warm up. Its detection range is from 3 to 10 feet, 45 degrees from center. After each playback, there is a 15-second inhibit period for the sensor to avoid constant triggering in high traffic area.

Avoid pointing the motion sensor directly toward sunlight or a heat source. Do not block the sensor with any object or it may not work properly.

PHYSICAL DIMENSIONS

Approximately 10.25" (L) x 9.0" (W) x 1.75" (H).

EPROM CARTRIDGE JUMPER TABLE

| Message Length | EPROM Type | Number of EPROMs | Install Jumper on These Pins |
|----------------|------------|------------------|------------------------------|
| 512K | 27C512 | 1 (U1) | 1&2, 10&11 |
| 1M | 27C512 | 2 (U1&U2) | 2&3, 10&11 |
| 1M | 27C010 | 1 (U1) | 2&3, 11&12 |
| 2M | 27C010 | 2 (U1&U2) | 4&5, 11&12 |
| 2M | 27C020 | 1 (U1) | 4&5, 13&14, 2M |
| 4M | 27C020 | 2 (U1&U2) | 5&6, 13&14, 2M |
| 4M | 27C040 | 1 (U1) | 5&6, 14&15, 2M, 4M |
| 8M | 27C040 | 2 (U1&U2) | 7&8, 14&15, 2M, 4M |
| 8M | 27C080 | 1 (U1) | 7&8, 16&17, 2M, 4M, 8M |
| 16M | 27C080 | 2 (U1&U2) | 8&9, 16&17, 2M, 4M, 8M |