Self-Talker POP-3000A/POP-3000AP User's Guide

Available Models

POP-3000A: motion activation

POP-3000AP: push button activation

Input/Output Descriptions

9VDC JACK: Use a 9V/200mA DC adaptor with a 2.1mm center-positive coaxial jack.

BATTERY COMP.: Use four 1.5V "AA" batteries.

EXT PUSH: External push button connector.

VOL ADJ: Speaker volume adjustment. Turn the pot clockwise to increase volume.

MOTION SENSOR: CdS sensor (POP-3000A only)

Operation Guide

1. The unit can be powered by either four 1.5V AA batteries (do not use NiCad), or a 9V DC adaptor. Note that there is no power ON/OFF switch and the unit is always turned on.
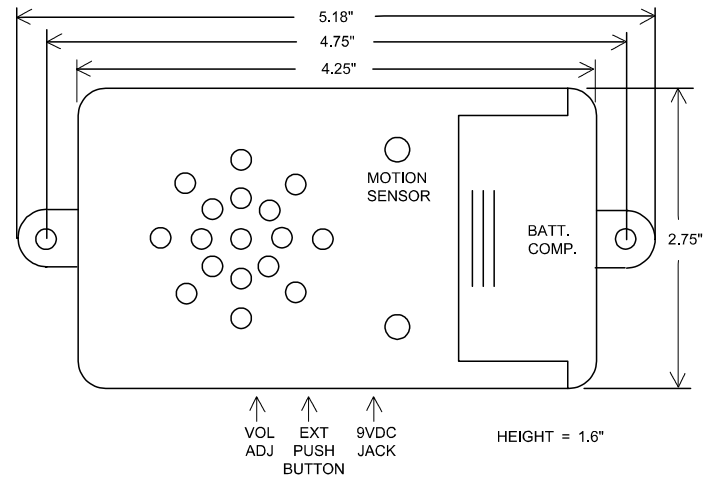
2. The unit can be programmed with one or more messages. If the unit is programmed with multiple messages, then the messages will be played sequentially, one per activation.

3. After each activation, the unit can be disabled for 20 seconds by setting jumper W5. This feature is usually used in motion activated applications to avoid constant playing in high traffic area. For push button activated applications, this feature may be disabled by setting jumper W6. The 20-second disable period can be customized per special request.

Notes on the Motion Sensor

1. The detection range is about 2 to 10 feet, depending on the lighting condition. The sensor must "look out" through a hole at least the same size as the sensor hole on the enclosure. If the unit is installed behind a thick layer of material, the hole should be larger or the detection angle will be narrower.

2. The sensor is most sensitive when someone walks between the sensor and the lighting source, casting a shadow on the sensor. Therefore the unit should be installed to allow this to happen whenever possible. If the lighting condition is too poor, the sensor may not work properly. Try putting the unit in another location.

3. To minimize false triggering, avoid pointing the sensor to flickering light such as TV screens, flashing neon lights and etc.

4. On power up, it takes about 2 minutes for the sensor to warm up and stablize.

Internal Jumper Settings

The following jumpers are usually set at the factory already.

EPROM Size:
256K/512K = W1, W3
1M = W2, W3
2M/4M/8M = W2, W4

Disable After Activation:
W5 = enable (default setting for POP-3000A)
W6 = disable (default setting for POP-3000AP)

Technical Specifications

EPROM Memory Chip:
   Quantity: 1
   Type: 27C256 ~ 27C080 (256K ~ 8M bits)

Sound File Format:
   Windows WAV, uncompressed monaural 8-bit PCM
   Sample rates supported: 8K, 11.025K, 16K, 22.05K
   Must use QuikWave32.exe for file assembling.