

## OPERATING INSTRUCTIONS

### MODEL 1000VA6

### RECEIVER / SPEAKER

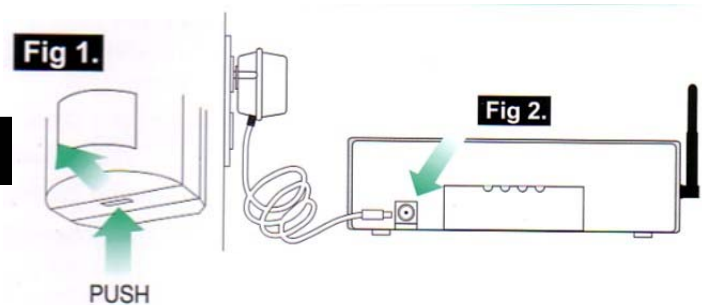
### SENSOR / TRANSMITTER

Thank you for your purchase of our 1000VA6 Zone Monitoring System. We hope it will bring you satisfaction knowing you can monitor your garage, pool, side yard, play area, front door area, side door and/or back door ALL at the same time.

Your Zone Monitoring System uses pyroelectric infrared (PIR) motion technology (senses heat) to trigger a battery operated Sensor/Transmitter. This Sensor/Transmitter has a wireless range of up to 1000 feet. Your Receiver/Speaker unit consists of a receiver, voice recording/playback system and speaker. Controls allow for power input, recording of up to six voice messages (in your voice), and programming of each Sensor/Transmitter to activate your voice message. Any number of Sensor/Transmitters can use the same code to activate the same message. Your Receiver/Speaker also includes, 4 connection to activate other devices.

#### Section 1 \* INSTALL THE SENSOR/TRANSMITTER 9 VOLT BATTERIES

Remove the front cover of the Zone Monitoring Sensor/Transmitter by pressing down on the release tab at the bottom of the unit (See Figure 1). Connect a 9-volt alkaline battery to the connector.

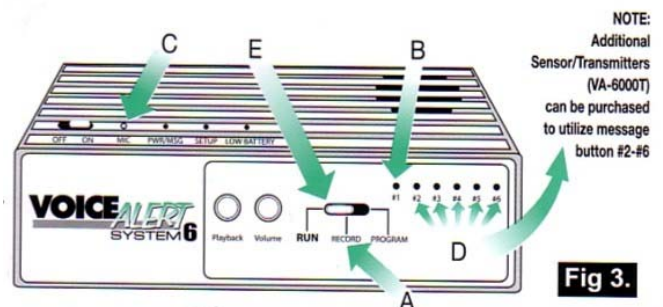


#### Section 2 \* CONNECT THE POWER TO THE SPEAKER

Use the power supply included with your Zone Monitoring system (See Figure 2). Connect it to a suitable 117 VAC, 60 Hertz power outlet (standard wall receptacle). Plug the 9 VDC end into the power jack on the Zone Monitoring Receiver/Speaker rear panel.

#### Section 3 \* TO RECORD VOICE MESSAGES

1. Turn ON the Receiver/Speaker with the "POWER" switch on the top of the unit. "POWER" LED light will glow.
2. The Receiver/Speaker has one slide switch and six message buttons. To record a voice message, select the middle position of the slide switch marked "RECORD" [A]
3. Push and hold message button #1 [B] and talk into the "MIC" hole [C]. The "SETUP" LED will glow as long as the message button is held down to record a message of up to 6 seconds.
4. To record a message on buttons #2 - #6, repeat steps 2-3 using each message button [D]
5. To change a message, repeat steps 2-3
6. Return the slide switch to the "RUN" position [E].
7. In the "RUN" mode, push a message button to playback the voice message just recorded. You may test each of the message buttons this way.
8. Set the desired volume with the volume control knob on the front of the Receiver/Speaker.



#### Section 4 \* RECORDING YOUR LOW BATTERY MESSAGE

To record your Low Battery Message, move the slide switch to "RECORD". While holding down the "PLAYBACK" button, say "low battery" into the "MIC". Return the slide switch to the "RUN" position. To test the "low battery message", press button #1 for 2 seconds. When any of the Sensors/Transmitters experience a low battery condition, the "LOW BATTERY" LED will flash on the top of the Receiver/Speaker. It will also sound your "Low Battery Message". By pressing the "PLAYBACK" button, your Low Battery Message will play, as well as the recorded message identifying the Sensor/Transmitter, that needs battery replacement. After a new battery is installed, trigger the sensor to turn off the flashing LED.

**OPERATING INSTRUCTIONS : MODEL 1000VA6****Section 5 \* PLAYBACK BUTTON & MESSAGE ("MSG") LED**

When a message is triggered by one or more Sensor/Transmitters the "MSG" LED will flash, notifying you that a trigger has occurred. By pressing the "PLAYBACK" button each message that was triggered will play. The system will then clear the triggered messages and the "MSG" LED will stop flashing.

**Section 6 \* PROGRAM ONE OR MORE SENSOR/TRANSMITTERS TO ACTIVATE ADDITIONAL MESSAGES**

Note: The Sensor/Transmitter included in the 1000VA6 is pre-programmed from the factory and will function without modification. If you decide to change the code or add more Sensor/Transmitter. Follow these steps.

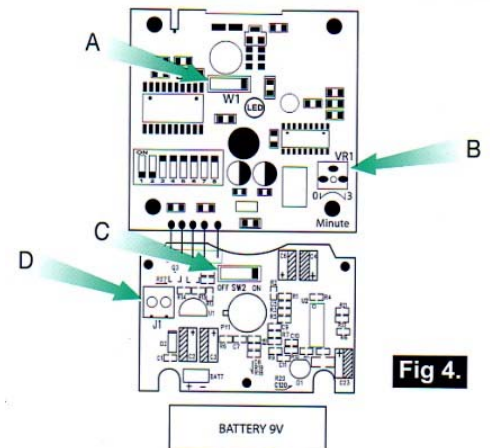
1. Connect the 1000VA6 Receiver/Speaker to a suitable power source and turn the unit ON with the "POWER" switch.
2. The Receiver/Speaker has a three position slide switch. Move the switch to the "PROGRAM" position.
3. Set the 8 dipswitches DIFFERENT from your other Sensor/Transmitter settings (**See Figure 8**).
4. Activate the Sensor/Transmitter by moving your hand in front of the lens and observing the LED flashing on the front. (The Receiver/Speaker "SET UP" LED will glow, indicating that the transmission has been received).
5. While the "SET UP" LED is glowing, press the button for the message that you want activated by that Sensor/Transmitter, #2 - #6. The "SETUP" LED light will stop glowing, indicating that the Sensor/Transmitter is now programmed into the selected voice message.
6. Repeat step 2 through 4 to program additional Sensor/Transmitters to each voice message.
7. Return the slide switch to the "RUN" position.

NOTE: Any number of Sensor/Transmitters can be set to the same message by setting it to the same dipswitch code. (See Section 11 \* CHANGING THE SENSOR/TRANSMITTER CODE)

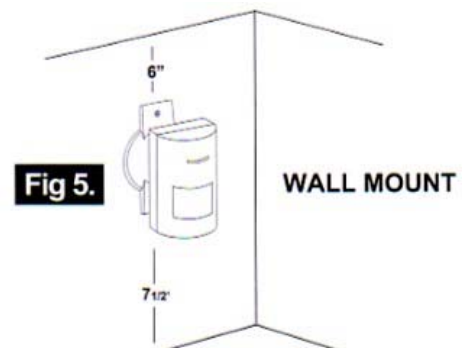
**Section 7 \* SET UP THE SENSOR/TRANSMITTER (BATTERY SAVERS)**

The battery saving switch W1 [A] (See Figure 4) is used to disable the red LED that glows through the front of the Sensor/Transmitter. To disable the red LED, move the switch to the "OFF" position. The VR1 [B] dial is used to set sensor delay. Setup mode causes a signal to transmit each time the Sensor/Transmitter is triggered by movement. The operation mode transmits once and waits for the time you set on the dial delay, checks the protected zone and transmits again if movement is still detected. Therefore, always allow time for the Sensor/Transmitter to reset if you are testing the unit in operational mode. Turn the time delay adjusting screw clockwise for longer delays, up to three minutes, using a small screwdriver.

Battery life is extended when the Sensor/Transmitter is set on Operation mode.

**Fig 4.****Section 8 \* SENSOR/TRANSMITTER INSTALLATION**

Installation indoors, on a smooth surface, can be accomplished with the double sided tape included with each 1000VA6 Sensor/Transmitter. Simply peel off one side of the tape and apply it to the back of the Sensor/Transmitter mounting bracket. Peel off the second side of the tape and press the mounting bracket tape to the smooth surface. Screws (included) are recommended for installing the Sensor/Transmitters outdoors, on rough surfaces, or where there is the possibility of high winds. To install the Sensor using screws: mark holes using the paper template enclosed. Securely install the mounting bracket at the desired location. The sensor should be placed approximately 7 1/2' above the floor for maximum range of detection (**See Figure 5**).

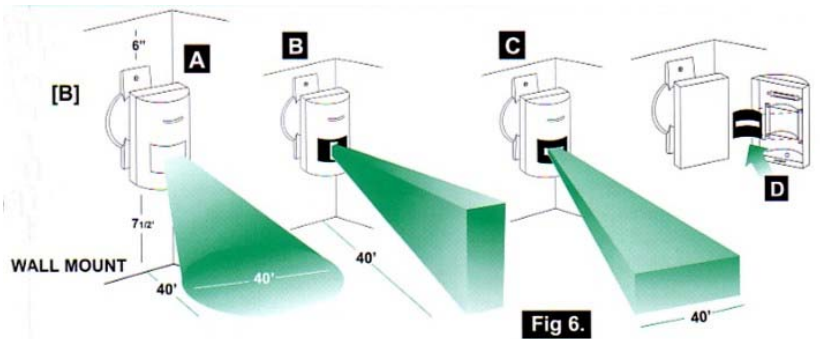
**Fig 5.**

**OPERATING INSTRUCTIONS : MODEL 1000VA6****Section 9 \* SENSOR ZONE PATTERN ADJUSTMENT**

Choose the sensor pattern for your 1000VA6 to meet the needs of each monitored zone. The Sensor comes set from the factory with a downward fan pattern **[A]** that covers a 40' x 40' area, when mounted at 7 1/2' above the ground. By using one of the flexible pattern adjusting inserts **[D]** choose the pattern for either a vertical fan pattern **[B]** or a horizontal fan pattern **[C]** (**SEE FIGURE 6**).

To install a pattern adjuster:

1. Remove the sensor cover.
2. Insert one edge of the plastic pattern adjuster into the frame behind the lens.
3. Gently press the pattern adjuster until the other edge snaps into the opposite side of the lens frame.



Always test the installation to assure proper covers. For best performance of the sensor, the following precautions should be observed:

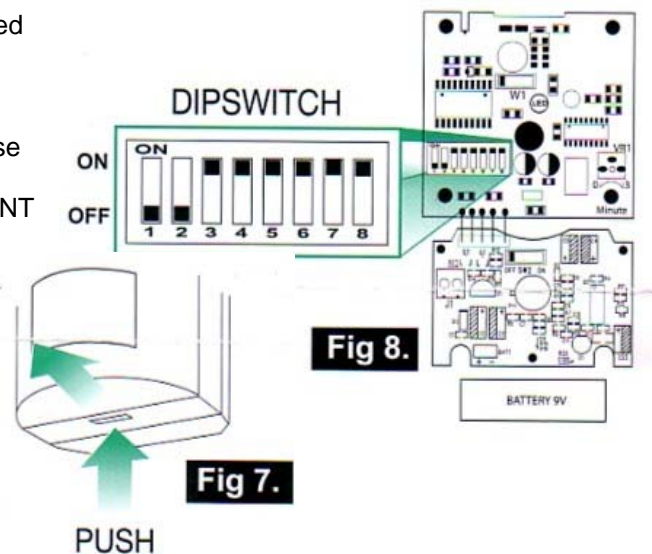
1. **Avoid direct sunlight** - The unit should not be placed where sunlight will strike directly on the face of the Sensor, (indirect light shining through windows will not trigger the sensor).
2. **Avoid hot and cold air currents** - Install the unit at least 3 feet from strong forced air heaters, air conditioners or sources of drafts, such as doors.
3. **Choose a location at right angles to the path of movement** - The sensor functions best when placed so that movement is across the detection beams, rather than toward the sensor.
4. **Avoid large objects** - Place the unit so that no large objects obstruct the detection pattern. Trees and other moving objects (flags, whirly gigs, etc.) can cause false triggers.
5. **Avoid installing the sensor on metal surfaces** - Metal surfaces such as aluminum siding will reduce the transmission range of the sensor, unless, it is installed near the edge of a window.
6. **Weather resistance** - Make certain to reposition the rubber gasket around the edge of the sensor when reconnecting the sensor cover.
7. **Battery saver** - In order to conserve battery life, it is essential that after set up is completed, the sets in section 6 be followed.

**Section 10 \* CHANGING THE SENSOR/TRANSMITTER CODE**

Note: The Sensor/Transmitter included in the 1000VA6 is pre-programmed from the factory and will function without modification. If you decide to change the code or isolate a sensor to one receiver, follow these steps.

1. Remove the front cover of the sensor by pressing down on the release tab at the bottom of the unit (**See Figure 7**).
2. To change the code, set the 8-key dipswitch to any setting DIFFERENT from your other sensor settings (**See Figure 8**).
3. The new code settings must be programmed into the receiver (**See Section 6**).

If activating the same message is desired for any number of additional sensors, set the dipswitches of each sensor to the SAME code positions. Programming of the 1000VA6 receiver is not necessary for these additional sensors, if the original codes have already been programmed.

**Section 11 \* TRANSMIT WITHOUT PIR**

The 1000VA6 sensor can function as a "Transmitter" only, by disabling the PIR sensor, using the On/Off switch **[C]** (**See Figure 4**) and attaching an external triggering device to the wire connectors **[D]** (**see Figure 4**).

**OPERATING INSTRUCTIONS : MODEL 1000VA6****Section 12 \* ADJUSTING TERMINAL OUTPUT DURATION**

Up to four devices that have zero voltage input terminals can be activated by the 1000VA6. Connections NO 1 - NO 4 (on the rear of the 1000VA6 receiver are activated by corresponding channels #1 - #4. **(See Figure 9)** contacts are rated to carry 24 VDC or 117 VAC at 1 AMP.

To set the output duration of each connection;

1. Move the slide switch to the "RUN" position.
2. Press and hold the "PLAYBACK" button for 2 seconds to activate SETTING MODE.
3. In SETTING MODE, toggle through the setting sequence for each message button #1 - #4 to set the output duration for each terminal output connection. The three LED will indicate the time duration setting (see chart).
4. Press "PLAYBACK" to lock in each chosen setting and return to working mode.
5. Repeat steps 1, 2, 3 and 4 to set time duration for each connection.

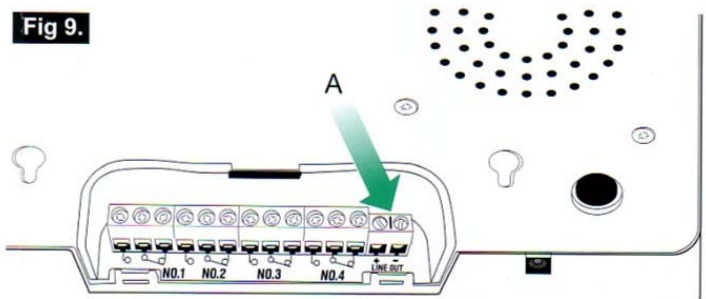
#1	#2	#3	Option
Power LED	Set Up LED	Low Battery LED	No Output
○	○	○	No Output
○	○	☀	1 Second Output
○	☀	○	5 Second Output
○	☀	☀	30 Second Output
☀	○	☀	60 Second Output
☀	☀	☀	Continuous*

\*NOTE: - To disarm the 1000VA6 when the "CONTINUOUS" setting is triggered, turn OFF the receiver with the "POWER" switch. When "POWER" is turned back ON, the system will return to working mode.

**Section 13 \* BROADCAST AUDIO MESSAGE**

Recorded messages can be broadcast from an intercom or P/A (Public Address) system by connecting the broadcast amplifier to the terminal outputs [A] located in the compartment under the receiver (See Figure 9).

The volume of the broadcast will be controlled by the volume control of the amplifier, NOT the "VOLUME" knob on the receiver.

**Section 14 \* TROUBLESHOOTING****1. NO SOUND**

- Check the "POWER" switch on the Receiver/Speaker. **RIGHT** is ON and **LEFT** is OFF.
- Receiver/Speaker, the slide switch must be in "RUN" position.
- Check and turn up the volume control knob of the Receiver/Speaker.
- Check the AC adapter. It must be properly connected to the Receiver/Speaker and an active wall receptacle.
- A message must have been recorded.
- Test the message by pushing the appropriate message button located on the Receiver/Speaker.
- A Sensor/Transmitter must have been programmed to activate the voice message. If the program of the Receiver/Speaker gets deleted, you must follow the instructions in Section VI • PROGRAM ONE OR MORE SENSOR/TRANSMITTERS.

**2. THE SENSOR/TRANSMITTER WILL NOT OPERATE Voice Alert™**

- Check the Sensor/Transmitter 9 volt battery.
- Check the power connection to the Receiver/Speaker.
- Follow the steps in Section VIII • SENSOR /TRANSMITTER INSTALLATION.
- Make sure the steps in Section VI • PROGRAM ONE OR MORE SENSOR/TRANSMITTERS, have been followed. Step 3 is very important. If the Receiver/Speaker "SET UP" LED does not glow, the Sensor/Transmitter did not get programmed and the procedure will have to be repeated.

**3. POOR DISTANCE**

- Check the Sensor/Transmitter battery.
- Check the Receiver/Speaker DC power source.
- Check the Receiver/Speaker with a different Sensor/Transmitter.
- Check that the Sensor/Transmitter is not fastened to metal.
- Move the Receiver/Speaker about 1 foot in any direction.

**4. CANNOT RECORD A MESSAGE**

- Turn on Receiver/Speaker power.
- Turn the Volume Control up.
- Make sure the slide switch of the Receiver/Speaker is in "RECORD" position.
- Check the connection to the Receiver/Speaker power.

**5. CANNOT PLAYBACK A MESSAGE**

- Turn the Volume Control up.
- Make sure the slide switch on the Receiver/Speaker is in "RUN" position.
- Press the desired message button (#1- #6).
- Check the connection to the Receiver/Speaker power.

**6. POOR VOLUME**

- Turn the Volume Control up.
- Check the connection to the Receiver/Speaker power.
- Re-record the message with your mouth a little closer to the microphone, (speak loud and clear).

**7. DISTORTION IN THE PLAYBACK**

- Reduce the Volume Control.
- Re-record the message with your mouth a little further away from the microphone.
- Check the connection to the Receiver/Speaker power.

**8. MESSAGE BUTTON (#1-#6) WON'T PLAYBACK MESSAGE**

- Make sure the slide switch is in "Run" position.
- Check the connection to the Receiver/Speaker power.

**9. SENSOR/TRANSMITTER BATTERY GOES DEAD IN A SHORT TIME**

- Check that the power saver W1 and VR1 (Section VII • SET UP THE SENSOR/TRANSMITTER [ BATTERY SAVERS ]) have been reset. Adjust these if necessary, and replace the battery with a new one.