INSTALLATION INSTRUCTIONS
Item 4701 (A5DS)

Description

The SVM-40 speech module allows recording and playback of two messages, with optional playback through an external speaker (not included). SVM-40 message duration is 40 seconds.

The SVM is a high technology device that electronically stores messages with or without power.

The SVM is used as a digital message source in Av-Gad Alarm Control Panels, telephone dialers or in other applications. The SVM audio signal is capable to drive audio amplifier, message center, automatic dialer or other device. **In the pack:** SVM board, wire with plug (WSVM), manual.
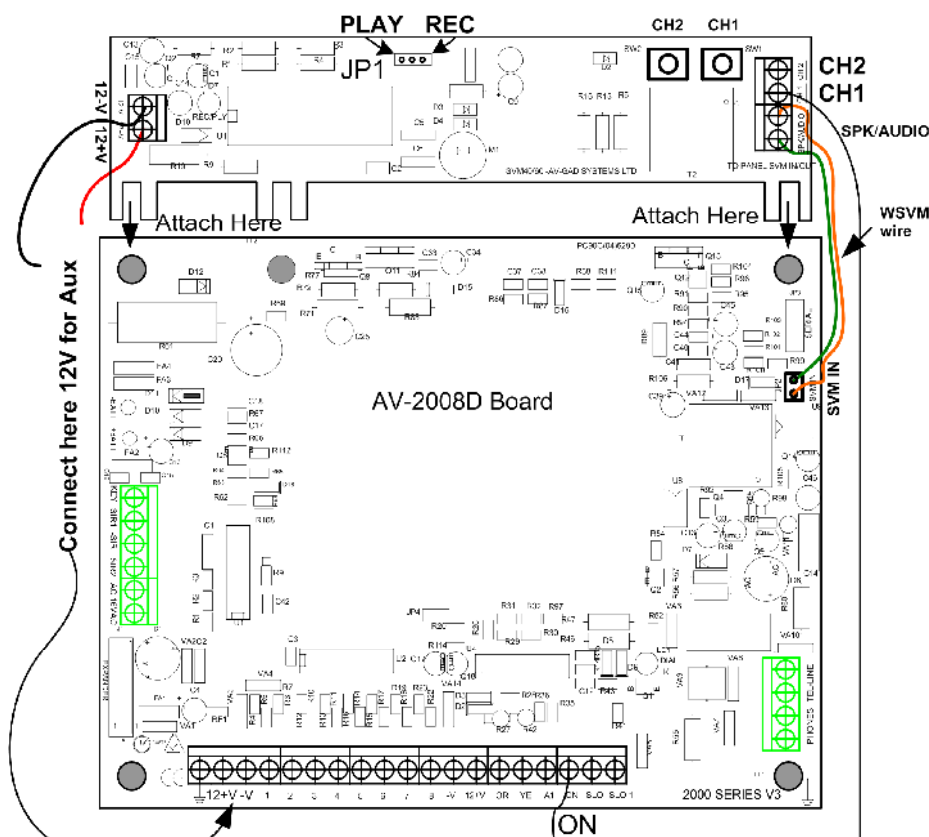

Figure 1: SVM-40 connected to AV-2008 Alarm Panel

Connection and Wiring

1. Connect the SVM +12V and -12V terminals to a 12V DC power source or to the control panel's AUX. POWER. Use the alarm panel or a filtered 12V DC, 100 mA power source.

2. Connect a trig wire for channel # 1. In the 2000 series, connect the CH1 to "ON" or "SLO" (starting version 2.09) output. The ON or SLO output supplies (-) to the SVM unit upon dialing is over. This feature requires programming; refer to panel's programming table. For two different messages according to event (fire, burglary, etc) contact Av-Gad.

3. Speaker terminal (no polarity) is the audio source. Connect supplied two wires from SP/AUDIO terminals to SVM IN in the alarm panel (refer to fig.1).

4. For monitoring purpose: Connect a speaker to SPEAKER terminals. Use a small speaker (1-4 inches), 8 to 16 Ohms, 0.2 to 1 watt rated power. It's also possible to listen to the message after panel dialing by connecting a telephone in parallel to the telephone line.

Control panel types: All series 3000, AV-2004D, AV-2048D, AV-2055/8 and AV-2016 contains the required hardware and software for interfacing with the SVM modules.

5. Programming to activate the SVM: In AV-2004/48D refer to address 072-7, in AV-2005/8D refer to address 072-7 and 074-1, in AV-2016 see address 072-7, 076-1.

Recording

1. Power up the SVM, make sure polarity is correct.
2. Set the selector's (JP1) Jumper to REC mode.

3. Hold (press) Channel 1 switch, verify that the LED is on. Record your message by speaking to MIC (microphone) on the SVM board. The Microphone is located in the SVM center, silvered case with black cover.

4. To record your message on channel 2 Hold Channel 2 switch and follow the instruction as described for CH1.

Total time message for both channels is 40 or 60 seconds (according to the purchased item) that can be divided between the two channels as required.

5. To erase a message: Record a new one, or during REC mode, a short press on the CH button will erase the message.

Playback

1. Set the REC/PLAY selector to PLAY mode; verify that the REC/Play LED is off.

2. Power up the unit. Connect the monitor speaker.

3. Hold-down Channel "1" or "2" switch (for one message use channel 1), LED will light. Hold switch as long as you want the message to be played back. The volume level of the PLAYBACK message is low.

4. Follow the same procedure for the other channel.

Messages will continue to be recorded as long as CH1 or CH2 terminals are connected to common Negative source.

5. If audio amplifier is connected, connect the SPEAKER terminal, to AUDIO IN terminal at the amplifier.

6. The message is stored with or without power. You may disconnect the *SVM* power if required.

7. In Series 2000, 3000 Alarm Control Panels program the SVM option (refer to programming table), simulate alarm, the panel will dial first the Communicator telephone number (telephone number 2 and 3), then to other programmed numbers. After dialing the panel will trig the SVM to send a message. To hear the message, pick up the phone connected in parallel to the telephone line (just for testing purpose), the message should be heard.

Note: The system dialer dials each number few times (programmable at "Dial & Modem Parameters"), if the call was answered or not it doesn't sensed by the dialer. SVM message is not active when communicator enabled.

Technical Specifications SVM-40 and SVM-60

Operating Temperature	-10°C to 60°C
Maximum relative Humidity	80% @ 20°C
DC Power	Filtered 12V DC, +/− 10% Polarity protection
Dynamic Inner Memory	Non-Volatile Message stored with and without power
Signal Input (Recording)	On board Dynamic Microphone
Signal Outputs	2 dB, via isolation audio transformer Drives small 0.2W speaker or other audio device: Amplifier, Telephone, etc. Output Impedance: 600 Ohms @ 1 kHz
Triggering	Applying −V, Latch or Momentary 2 separate channels
Monitoring	On-Board 2 Micro Switches, one for each channel
Play and Record select	On-Board 2 positions Header with tiny jumper
Indications	LED indicates Play and Record
Message Duration	SVM-40: 40 seconds Total duration message can be recorded on one channel, or to be split into two channels
Standby Power Consumption	5 mA, +/− 10 %
Operating Power Consumption	Maximum 50 mA @ 12V, +/ 10%
Dimensions (printed board)	158 x 32 mm
Housing	Supplied as Printed Board
Packing	Colored carton box, contains PCB and interface cable for the 860/2000 Series of Control Panels
Gross Shipping Weight	0.2 kg. 30 PC's per master box

This product is subject to continuous enhancements and therefore specifications may be changed or altered without prior notice