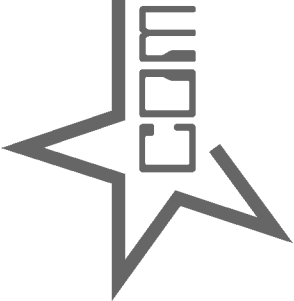


Starcom Incorporated



VAS8

VOICE ALERTING SYSTEM



Description

The VAS8 monitors 8 inputs and delivers a unique voice message for each input when an alarm is active. The VAS8 can contact up to 5 different locations when an alarm occurs.

The VAS8 is equipped with eight inputs and two outputs. The input circuits are optically isolated and require a short for activation. The outputs are optically isolated and provide a 30 ohm short when active. Outputs are used for audible or visual alarm circuitry. The output on P1 pins 48 and 50 is normally closed (shorted). The output on P1 pins 38 and 40 is normally open.

The telephone line interface is used to receive and initiate calls. An alert is initiated by a short on any or all of the 8 inputs. The VAS8 will dial the pre-stored telephone numbers and output a pre-recorded voice message. There is a separate message for each alarm.

Voice messages are stored in a digital format along with passwords and telephone numbers. Voice messages and telephone numbers can be changed at will. Any stored variables remain during a power outage.

Setup

The VAS8 fits a standard type 10 shelf equipped with a 56-pin card edge connector (.156" pin spacing). The VAS8 requires 24vdc power.

Connections

Connections are made to the 56-pin card edge connector. A wiring chart is shown on the next page. Pair 1 of the modular jack on the front panel is common to pins 55 and 56. The PBX station line can connect to the card edge or the modular jack.

Indicators

There are 10 indicators on the front panel; **ACTIVE**, **VOX**, and **INPUTS 1 – 8**.

The input led's light when an input is shorted.

The VOX led indicates voice level when recording a message.

The ACTIVE led indicates the VAS8 is operating:

winking – normal operation, idle state.

solid – alarm condition, or command mode.

VAS8 PINOUT			
POWER		STATION LINE	
PIN	DESCRIPTION	PIN	DESCRIPTION
1	common (gnd)	55	PBX line – ring *
2	+24vdc power	56	PBX line – tip *
* common to pair 1 of the modular line jack.			
OUTPUTS			
NORMALLY OPEN		NORMALLY CLOSED	
PIN	DESCRIPTION	PIN	DESCRIPTION
38	normally open contact	48	normally closed contact
40	n.o. common	50	n.c. common
INPUTS			
PIN	DESCRIPTION	PIN	DESCRIPTION
6	ground 1	20	ground 5
7	circuit 1	21	circuit 5
8	ground 2	22	ground 6
9	circuit 2	23	circuit 6
13	ground 3	27	ground 7
14	circuit 3	28	circuit 7
15	ground 4	29	ground 8
16	circuit 4	30	circuit 8

Operation

A short on any of the 8 alarm inputs is considered an alert. The VAS8 will store this alarm in its archive. It will dial the first telephone number. When the call is answered, it will output the voice message associated with the particular alarm input. It will dial any other stored telephone number and output the voice message. The VAS8 will disconnect after 8 rings if a number dialed is not answered. After dialing all the telephone numbers it will compare current alarm inputs with previously archived alarms. If there are additional alarms it will repeat the previous scenario.

The unit will not report the alarm again until the input opens and a new short appears.

Programming

Connect the VAS8 to a PBX station telephone line. Make a station to station call from a telephone to the line connected to the VAS8. The VAS8 will answer and output 3 short tones. Touch tone in the factory password, 12345#. You have 16 seconds to enter all digits. If a digit is incorrectly entered, the unit ignores further inputs and disconnects on the 16th second. After the password is correctly entered, the unit replies with 3 short tones. It is now ready to receive new entries. Enter the command digit followed by any selection variables and end with a #. Entering a * with a telephone number causes a 1 second delay. Several asterisks can be input for longer delays. Remember to end any input string with a #. The maximum number of digits each file can store is 20.

Commands are defined as follows:

VAS8 COMMANDS		
COMMAND	NUMBERS TO DIAL	RESPONSE
COMMAND MODE	password + #	3 short tones
SET PASSWORD password = 1 to 20 digits	0 + password + # example: 012345# sets password to 12345.	3 short tones
TELEPHONE NUMBER call number = 1 thru 5 phone number = number to dial, up to 20 digits.	call number + phone number + # example: 1 3927001 # sets first phone number to 3927001.	3 short tones
REPORT CURRENT ALARMS	7 + #	3 short tones
PLAYBACK ALARM MESSAGE circuit number = 1 thru 8	8 + circuit number + # example: 85# plays message for circuit 5.	3 short tones
RECORD ALARM MESSAGE circuit number = 1 thru 8 14 second = max length for each message.	9 + circuit number + # + then say your message example: 93# records message for ckt 3.	3 short tones
DISCONNECT	#, or hang up	none

Command mode

PASSWORD + #

Place a station to station call to the VAS8. When the VAS8 answers, it will generate 3 short tones. Enter the password followed by a #. The VAS8 responds with 3 more tones if the password is correct.

Set the password

0 + PASSWORD + #.

Enter the command mode. Enter 0 and a new password followed by a #. The password may be 1 to 20 digits long.

Enter a phone number

1,2,3,4, OR 5 + PHONE NUMBER + #.

Enter the command mode. To set the first number dialed, enter 1 followed by a phone number followed by a #. Phone numbers may be up to 20 digits long. Entering a * with a telephone number causes a 1 second delay. Several asterisks can be input for longer delays. Enter 2,3,4 or 5 to add additional phone numbers. The VAS8 will dial the numbers in sequence.

To change a number, select 1-5 and enter the new number, followed by a #.

To delete a number, select 1-5 and end with a #.

Reporting

7 + #.

Enter the command mode. Enter 7 followed by a #. Any current alarms are reported, followed by a 3 tone reply. If you only receive a 3 tone reply, there are no alarms present.

Playback an alarm message

8 + CIRCUIT NUMBER + #.

Enter the command mode. Enter 8 followed by the circuit number (1-8) followed by a #. Listen to the message. Wait for the 3 short tones before entering the next command.

Record an alarm message

9 + CIRCUIT NUMBER + #.

Enter the command mode. Enter 9 followed by a circuit number (1-8) followed by a #. The VAS8 begins recording when it hears audio. The recording stops after 14 seconds or when there is no audio for 2 seconds. To continue recording another message, enter 9 followed by a circuit number followed by a #.

Disconnecting

To disconnect from the VAS8, hang up or enter a #.

Specifications

GENERAL

Size:5.5" x 6" x 1 3/8"
Input power:24vdc at 100mA

Ren:3 b

TOUCH TONES

Touch tone receive level:0db to -30db
Touch tone send level:-7db
Touch tone digit length:70ms
Max digits per file (inc. password):20

Vox operation:0db to -40db

OUTPUTS

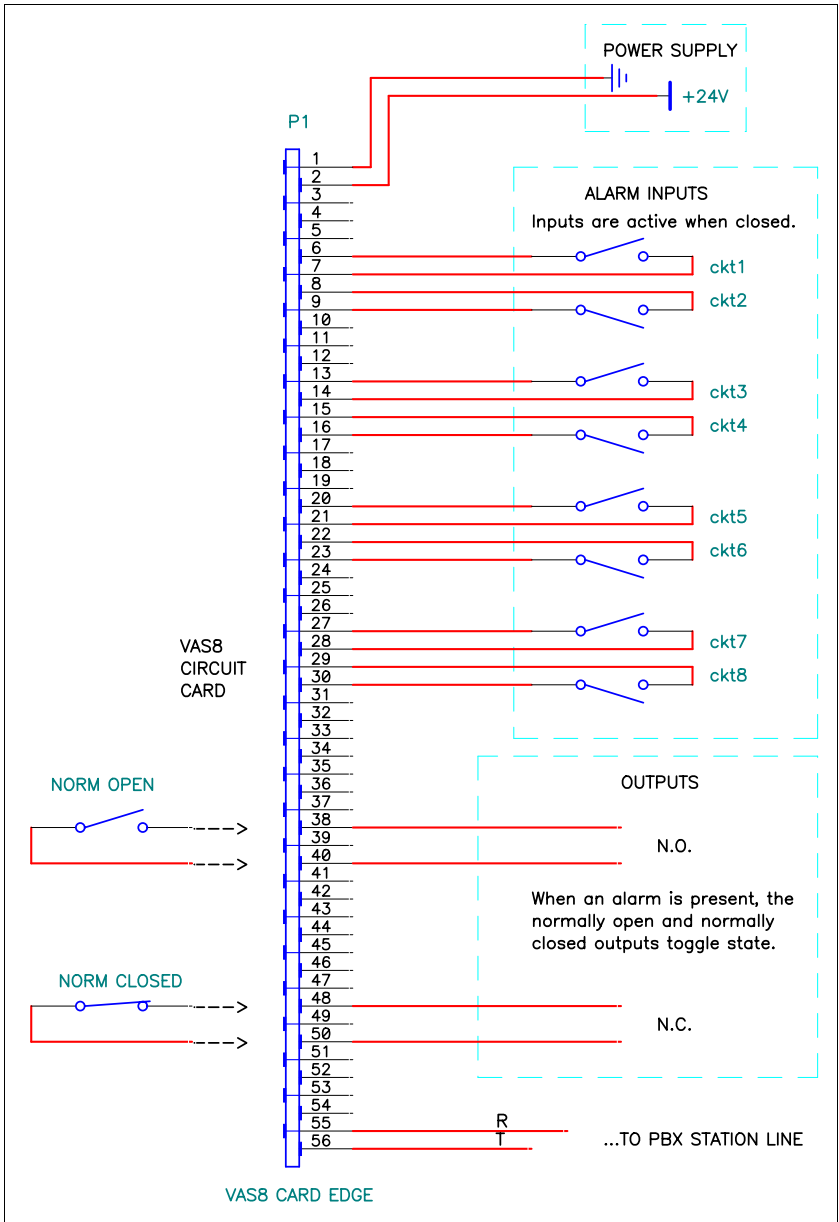
Output resistance:30 ohms
Output current:100mA
Output voltage tolerance:300 volt peak

alert short input current:5mA

FACTORY DEFAULTS

Password12345
Voice message 1-8 "Alarm one - eight"
Phone number 1-5none stored

Connection diagram





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