VCALL SYSTEMS

FOR HOME, BUSINESS, AND ON THE GO

VC 1000
VCALL Monitored Wireless Vehicle Intrusion System
Instruction Manual

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VCALL
SYSTEMS

FOR HOME, BUSINESS, AND ON THE GO

VCALL MONITORED WIRELESS VEHICLE INTRUSION SYSTEM
Model VC 1000

SUMMARY

The VCALL MONITERED WIRELESS VEHICLE INTRUSION SYSTEM is comprised of a VEHICLE KIT, VC 2000 which detects the vehicle intrusion and transmit a digital signal of the intrusion; and a KEYPAD, Model VC 100 to announce the intrusion at a remote, preferably monitored, location.

The VEHICLE KIT consists of a DISABLER Model VC 200 and two TRANSMITTERS, Model VC 300.

Each KEYPAD can monitor up to four vehicles (cars). The vehicle must be within range of the KEYPAD. In cases where the Keypad is not within range of the vehicle, the disabling functions will be maintained.

Normal equipment installation for VCALL components are:

KEYPAD	VC100	near the home or commercial alarm system Keypad preferably near the parking area, may be stand-alone unit.
VEHICLE KIT		
DISABLER UNIT	VC 200	in vehicle cabin, usually under dash
TRANSMITTERS	VC 300	in vehicle cabin, usually at or near front and rear windows

The VCALL MONITORED WIRELESS VEHICLE INTRUSION SYSTEM is primarily designed for vehicle applications in conjunction with home or commercial monitored alarm systems. Other applications provide intrusion detection at campsites, cottages, motels, etc. Modified KEYPADS will provide coverage for automobile dealerships, or large parking areas.

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FEATURES

- the VCALL WIRELESS MONITORED INTRUSION SYSTEM detects unauthorized vehicle entry. The vehicle is disabled at this time, it will not move.
- the "zone" terminology has been adopted from the home and commercial monitored alarm industry.
- each zone on the KEYPAD is tuned to an encrypted digital RF transmitter signal, from a single vehicle. An intrusion is indicated by a flashing red LED on the appropriate zone, and an piezo. This intrusion warning can be sent via the KEYPAD to the home or commercial alarm panel to the monitoring station.
- the KEYPAD will indicate by the amber LED and the flashing red zone LED if the vehicle has been started by remote starter, in order to avoid hazardous indoor fumes or unknowingly running the vehicle for a long period of time. This information is not sent to the monitoring station.
- the KEYPAD may be used as an independent portable stand alone unit.
- the DISABLER detector transmits an encrypted digital RF signal to the KEYPAD indicating intrusion.
- the responses to the intrusion signal will be in accordance with arrangements made by the client and the monitoring company.
- in the vehicle the interior piezo sounds and the interior dash mounted LED flashes. There is no loud disturbing horn.
- the DISABLER is compatible with already installed vehicle alarm and remote starter systems.
- A selection of detection and disabling devices is available for installation
- power supplies: KEYPAD direct connection from the home or business alarm security panel, a 12v adapter, or a 9v battery; DISABLER is supplied from the vehicle's 12v DC electrical system.
- Range up to approximately 500 ft.

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INSTRUCTIONS

VCALL KEYPAD Model VC 100

OPERATION

The KEYPAD can monitor up to 4 vehicle (cars). Each zone has an LED, a push button, and an output relay. Each zone will monitor one vehicle.

1. The KEYPAD can be turned on and off by pressing the power button (light bulb icon). When powering up the KEYPAD all LEDs are illuminated. The green "power" and amber "car" LEDs lights momentarily. The red zone LEDs light for 3 seconds indicating zones programmed to a vehicle. Zones available for programming are not lit.

2. When an alarm signal is received the appropriate red zone LED will illuminate, the piezo will sound and the output relay will be activated. This is an alarm condition.

3. The alarm condition can be reset by pressing the appropriate zone push button. If the alarm condition is not reset the alarm condition will automatically reset after 5 minutes. The red zone LED will repeatedly blink, once fast followed by a long pause, to indicate a past alarm condition.

4. The KEYPAD can monitor a vehicle being started by remote starter. To indicate that the vehicle is running, the red LED associated with the vehicle's zone will flash, the car running (car icon) amber LED will be illuminated, and piezo will beep every 4 seconds. The KEYPAD will reset after 30 minutes or when the corresponding zone button is pressed.

5. The KEYPAD may be powered by a 12v adapter, from a home or business an alarm security panel, or a 9v battery. If the receiver is powered by the 9v battery, the output relays will not be activated.

PROGRAMMING THE KEYPAD VC 100

To program the receiver
1. Each KEYPAD zone must be programmed to the DISABLER.
2. Press and hold the zone button you wish to assign to the vehicle. 4 seconds later, the red zone LED will turn off.
3. Release the button. The red zone LED will flash quickly to indicate that you have entered programming mode.
4. Within 128 seconds, set DISABLER into alarm. The KEYPAD will beep to indicate that the KEYPAD has been programmed.

To erase all codes
1. Press and hold the KEYPAD power key for 8 seconds. The KEYPAD will beep to confirm that all codes have been erased.

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VCALL DISABLER

The DISABLER is an anti-theft system designed to prevent the vehicle from being stolen. It incorporates a built-in starter and auxiliary disabler to disable a fuel pump or similar device. The DISABLER will transmit alarm signals or vehicle starting information to the KEYPAD. The DISABLER incorporates the DISABLER UNIT VC 200 and two TRANSMITTERS, VC 300.

DISABLER UNIT MODEL VM 200

OPERATION

The DISABLER UNIT Model VC 200 detects (door, hoods, glass break, etc.) the vehicle intrusion disables the vehicle (starter fuel pump, etc) initiates in vehicle responses (piezo, flashing dash mounted LED, parking lights, etc.), and provides the signal for the TRANSMITTER, Model VC 300.

1   The dash mounted LED will flash slowly to indicate that the system is armed. If the door or auxiliary inputs are activated an alarm condition will occur. In alarm the LED will become illuminated, the piezo will sound, the horn output will be activated, and parking light outputs will be activated. The DISABLER will transmit a digital RF signal to the KEYPAD.

2   If the door opens while the system is armed, the piezo will sound to indicate that the system will go into alarm after the programmed delay.

3   The alarm conditions will reset if the instant disarm input is activated. The system can also be deactivated by turning the ignition on and disarming the system.

4   If the system is not disarmed, the parking light output will flash for 30 minutes and the horn output will sound for 128 seconds. The dash mounted LED will flash twice quickly followed by a pause to indicate that there has been an alarm. Alarm memory will reset when the ignition is turned on.

5   The disabler will flash the dash mounted LED quickly to indicate that the arming countdown is in progress. The countdown can be stopped by inserting in the ignition key. The countdown is 30 seconds long.

6   When activated, the alarm input will instantly arm the DISABLER.

7   If the DISABLER arms with an open or broken device, the disabler module will flash the parking light output 6 times. The device will be by passed until it is closed or fixed.

8   The "car running" negative (-) input can be connected to the negative (-) output of the vehicle's remote starter. The DISABLER will send a digital RF signal to the KEYPAD each time the car is started by remote.

9   Power is drawn from the vehicles 12v DC electrical system.

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VCALL DISABLER

SERVICE MODE

To enter service mode

1. Service mode will disable the DISABLER. This mode is used for car servicing where the disabler function would otherwise interfere.
2. Switch the ignition to the on position and press the "valet button" for 32 seconds. The dash mounted LED will become illuminated and the parking light output will flash 2 times.

To exit service mode

1. Switch the ignition on and press the push button. The parking light output will flash once to indicate that the DISABLER is no longer in service mode.

PROGRAMMING THE ENTRY DELAY

1. The default entry delay is 60 seconds. With the door closed, switch the ignition on and off 9 times quickly; leave key in "ON" position. When the dash mounted LED begins to flash quickly, open the door. Disarm the DISABLER by activating the installed "disarm control switch" (e.g. a non-latching control switch such as a windshield washer, a hidden button switch or pressure pad contact) when the ignition is in the "ON" position. The dash mounted LED will flash to count the number of seconds that have passed. If the DISABLER is not disarmed after 60 seconds, the delay will be defaulted back to 60 seconds.