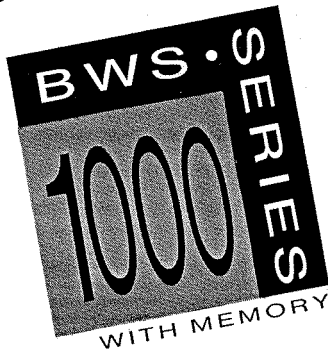




REMOTE VEHICLE SECURITY SYSTEMS



INSTRUCTION MANUAL

IMPORTANT

*READ THIS INSTRUCTION MANUAL THOROUGHLY! To avoid installation problems, please read **all** contents of this instruction manual. Doing so will prevent needless errors in wiring and will aid you in making this a trouble-free installation!*

INTRODUCTION

Congratulations! You have just purchased the BWS-SERIES 1000, Black Widow Remote Vehicle Security System alarm. Below is a description of your alarm and how it works.

TRANSMITTER

Your remote controlled Black Widow transmitter is used to arm and disarm your alarm system. An audible chirp (single when arming/double when disarming) will be heard when button is depressed.

Your transmitter is powered by a small 12 volt battery which has an estimated life of one to two years. This is the same kind of battery that is used in some cigarette lighters. Failure of the small red light (L.E.D.) to

come on when the transmitter is activated is a probable indication that your battery needs replacing.

The panic feature of your alarm system may be activated by pressing and holding the transmitter for 3 seconds. The siren will sound until the transmitter button is pressed again.

SIREN/RECEIVER

The most important feature of the Black Widow alarm is its ability to be armed and disarmed from outside the vehicle. This eliminates the need for any delay in entry.

When the Black Widow alarm is set off, the siren will sound for 45-60 seconds. Following that, the alarm will automatically reset and continue to monitor all entries. The built-in memory of the BWS-1000 allows the owner to know if his car has been tampered with.

The system will not respond to any entry within the first ten seconds of being armed. This prevents any false triggering of the alarm stemming from the chirping sound of the siren.

INSTALLATION INSTRUCTIONS

NOTE: Before mounting the alarm, note the serial and code numbers and write them in the space provided below. You will need these numbers to order replacement parts.

SERIAL NUMBER

CODE NUMBER

1) MOUNT SIREN/RECEIVER

Mount siren in engine compartment tilted downward to prevent water build-up. Keep away from extreme sources of heat. For maximum sound dispersion, mount siren in a position that will provide a direct path to the ground.

2) SHOCK SENSOR

Turn the adjustment screw clockwise all the way, then back off slowly until vehicle can take a solid slap to the body to trigger the sensor.

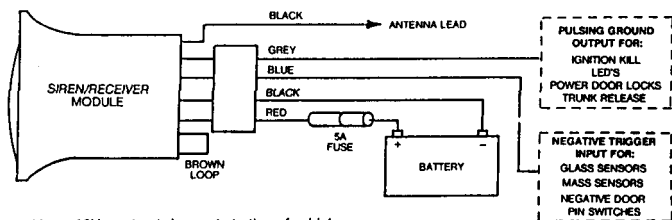
NOTE: Excess shock sensitivity is the #1 cause of false alarms!

3) MOUNT L.E.D.

Extra flashing L.E.D.'s may be connected if desired. Mount and secure L.E.D. so that it is visible such as on dashboard or rim of door.

TERMINALS/WIRING

| # | COLOR | FUNCTION | NOTES: |
|----|------------|-----------------------|---|
| 1) | Grey | Accessories | Pulsing ground output. For connection to Ignition Kill, L.E.D.'s, Power Door Locks, Trunk Release, etc. |
| 2) | Blue | Sensors, Pin Switches | Negative trigger input. Connect this wire to Glass Sensor, Mass Sensor and/or Negative Door Pin Switches. |
| 3) | Black | Ground | Black wire on molex. Connect to a clean, solid chassis ground. Note: The long black wire from the Siren/Receiver Module is for the Antenna Lead. <i>Do not ground this wire!</i> |
| 4) | Red | +12V | Main Power. Connect to Battery (+) with 5 Amp fuse at Battery end of wire . On some vehicles with small or single bulb interior lights, or if the Battery is located in the trunk, it may be necessary to connect this wire to the inlet (unfused) side of the fuse box to provide reliable current sensing. |
| 5) | Brown Loop | Current Sensing | Cut to defeat current sensing if necessary. |



ignition +12V must not drop-out starting of vehicles.

OPTIONAL ITEMS

The following items can be ordered as additional features for your alarm. See your dealer.

| | | | |
|----------------|--------------------------|-------------------|-------------------|
| BWS-500 | BATTERY BACK-UP | BWS-200 | GLASS SENSOR |
| BWS-410 | AUDIBLE BEEPER | BWS-A-280 | 360° SHOCK SENSOR |
| BWS-390 | LEATHER TRANSMITTER CASE | MAS-2 | MASS SENSOR |
| BWS-350 | FLASHING CIRCUIT. | BWS-SS-057 | MOTION SENSOR |
| BWS-340 | POWER DOOR LOCK MODULE | | SPDT RELAY |
| | | BRS-007 | RELAY SOCKET |

SPECIFICATIONS

| | |
|-----------------------------------|--|
| POWER SUPPLY | 12 Volts Neg. Ground |
| TRANSMITTER RANGE | Approx: Up to 100 Feet |
| DIGITAL CODE | Pre-Coded/1 of 20,000 avail. |
| MAX CURRENT DRAW | No more than 15 mA (Disarmed) |
| NEGATIVE OUTPUT | 1 Amp Constant (Armed) |
| ENTRY DELAY | 0 seconds |
| CURRENT SENSING REQUIREMENT | -.6 of a Volt |
| AUTOMATIC RESET | 60 Seconds |
| TRIGGERS | Negative Existing Pins, Auxiliary Grounding Pins, Grounding Sensors |
| SIREN POWER | 120 dB, 20 watts |
| R.F. CONTROL | 310 MHz |

LIMITED LIFETIME WARRANTY

DAVID LEVY CO., INC., or its agents will, within *one* (1) year from date of sale to you, repair or replace said product or any part thereof, at the option of *DAVID LEVY CO., INC.* or its agents, if said product or part is found to be defective in workmanship or materials when properly connected and operating on specified power requirements.

Obligations of *DAVID LEVY CO., INC.* or its agents toward this warranty, do not apply when said product is damaged due to unreasonable or unintended use, used in commercial or industrial operations, not reasonably maintained, factory seal is broken by anyone other than *DAVID LEVY CO., INC.* or an authorized repair facility, or damaged while in consumer possession.

DAVID LEVY CO., INC. or its agents will not assume any labor costs for the removal and re-installation of any product found to be defective or for the cost of transportation to *DAVID LEVY CO., INC.* or its agents. Such costs are the responsibility of purchaser.

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