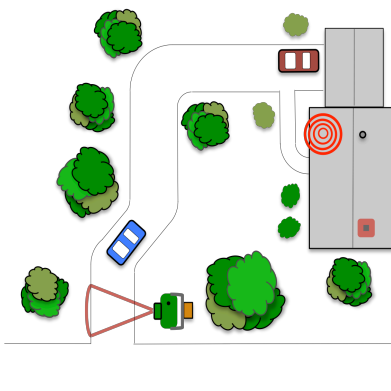




Home & Drive Alert™ Systems
Home & Drive Alert™ Long Range System
Home & Drive Alert™ Extended Long Range System

USER MANUAL



READ THIS ENTIRE MANUAL PRIOR TO INSTALLATION AND OPERATION

We thank you for purchasing our Home & Drive Alert™ System. All our Home & Drive Alert™ Systems are proudly manufactured in the USA under strict quality control standards using the best available materials. We hope you will be pleased with its performance and all weather construction.

LIMITED TWO-YEAR WARRANTY

Miltronics Manufacturing, Inc. provides a two-year warranty on parts and one year on labor. Miltronics guarantees all parts of this product to the original owner against manufacturing or parts defects. This warranty shall not apply to defects resulting from improper installation or use, unauthorized repair and consequent damage, abuse, modification, using in a fashion other than intended, fire, flood or act of God, or on which serial numbers have been altered, defaced or removed. If your unit cannot be repaired, Miltronics may replace it with new or reconditioned merchandise. Miltronics will assume no liability for commercial loss or any kind of damage resulting from malfunction of the product, or resulting from its unsuitable use. In any event liability shall not exceed the original purchase price.

WARRANTY REPAIR POLICY:

The entire system requiring warranty repair must be returned, by prepaid freight, with proof of purchase, a brief description of the problem, your email address and a daytime phone number to contact you if necessary. Beginning with year two of this warranty a minimal labor fee will apply. A handling fee will apply to products that are not covered under warranty.

TECHNICAL SUPPORT:

Questions? Call our Tech Support line at 603-355-6677.

HOME & DRIVE ALERT™ SYSTEM - KIT CONTENTS:

Home & Drive Alert™ Receiver, Receiver Power Cable with Transformer and Hook & Loop Mounting Fasteners
Home & Drive Alert™ Infra Red Sensor Transmitter, Metal Mounting Bracket with Screws and a 9-Volt Battery



INFRA RED SENSOR TRANSMITTER OPERATION AND INSTALLATION: The infrared sensor is positioned behind the round IR filter lens. It has a horizontal detection angle of 40 degrees and a detection range of over 30 feet. **See diagram below.** The optimum target range is 10 to 15 feet from the Sensor Transmitter. The infrared sensor detects vehicles, intruders, etc., by sensing their heat and motion. When a vehicle or large warm object moves through the detection zone, the Infra Red Sensor Transmitter detects the intrusion and transmits a signal to the receiver. When the battery's voltage has dropped below the sensor's required operating voltage, transmissions are sent to the Receiver until the battery voltage becomes too low to transmit.

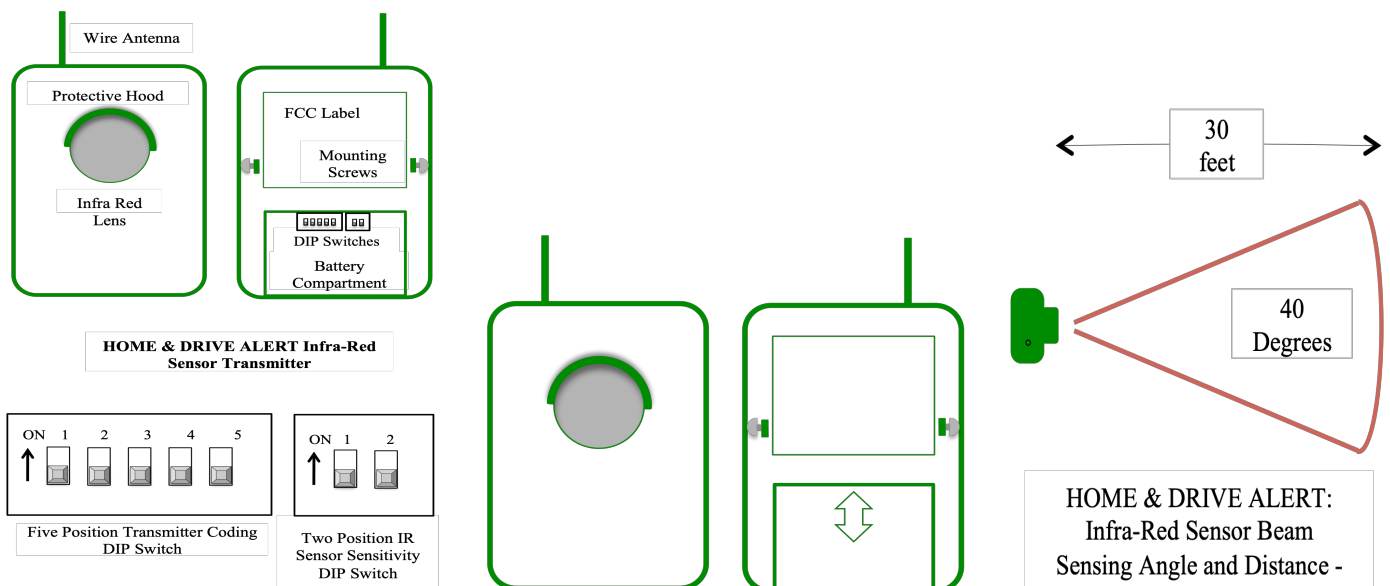
First, install a **high quality 9-volt alkaline battery** in the compartment located in back of the sensor case. Securely close the battery cover. The Battery will last about six months under normal use. Mount the sensor approximately 2 to 2.5 feet above the ground to a tree, wooden post or side of a building. A Metal Mounting Bracket and Mounting Screws are provided. **Refer to the System Set-Up on page 4.** Perform the "Walk Test" (**see page 3**) prior to mounting permanently.

The Sensor Transmitter's IR Lens and infrared sensor must have an unobstructed view of the detection area that is free of plants, shrubs and branches. Take care not to touch the Lens or allow the Lens to get damaged. Straighten and extend the flexible antenna straight upward. Some objects may not be detected if the sensor is placed too high or too low. **Adjusting may be required prior to calling for technical support. Keep the sensor as close to the edge of the driveway as possible.** The sensor should be strategically located so that it detects objects moving across detection zone. Do not mount the sensor facing the sun, bodies of water or any large reflective objects. This causes variations in the temperature pattern "seen" by the sensor windows and may cause false alarms or damage the lens.

PLEASE NOTE: A shorter transmission range may occur when the outside temperature falls below 20 degrees F. due to a natural drop in battery voltage. Lower sensitivity may occur during periods of heavy fog, rain or snow. This is due to the moisture diffusing the infrared energy. The Sensor Transmitters are completely weatherproof and will operate to -40 degrees Fahrenheit.

TRANSMITTER CODING ADJUSTMENT: The system coding is factory pre-set and should be adjusted only in the event of interference from another source. Remove the battery cover to access the Five Position Coding DIP-Switch. The DIP-Switch settings in the Sensor/Transmitter must match the settings in the Receiver. **See diagram below.**

SENSOR SENSITIVITY ADJUSTMENT: The Infra Red Sensor is located in the Transmitter Case behind the Infra Red Lens. There is a two-position DIP-switch to adjust the Sensor's Infra Red Sensitivity. This is factory pre-set and should not be adjusted without consulting with Technical Support. In typical installations, changing these settings will cause extremely erratic system behavior. **See diagram below.**





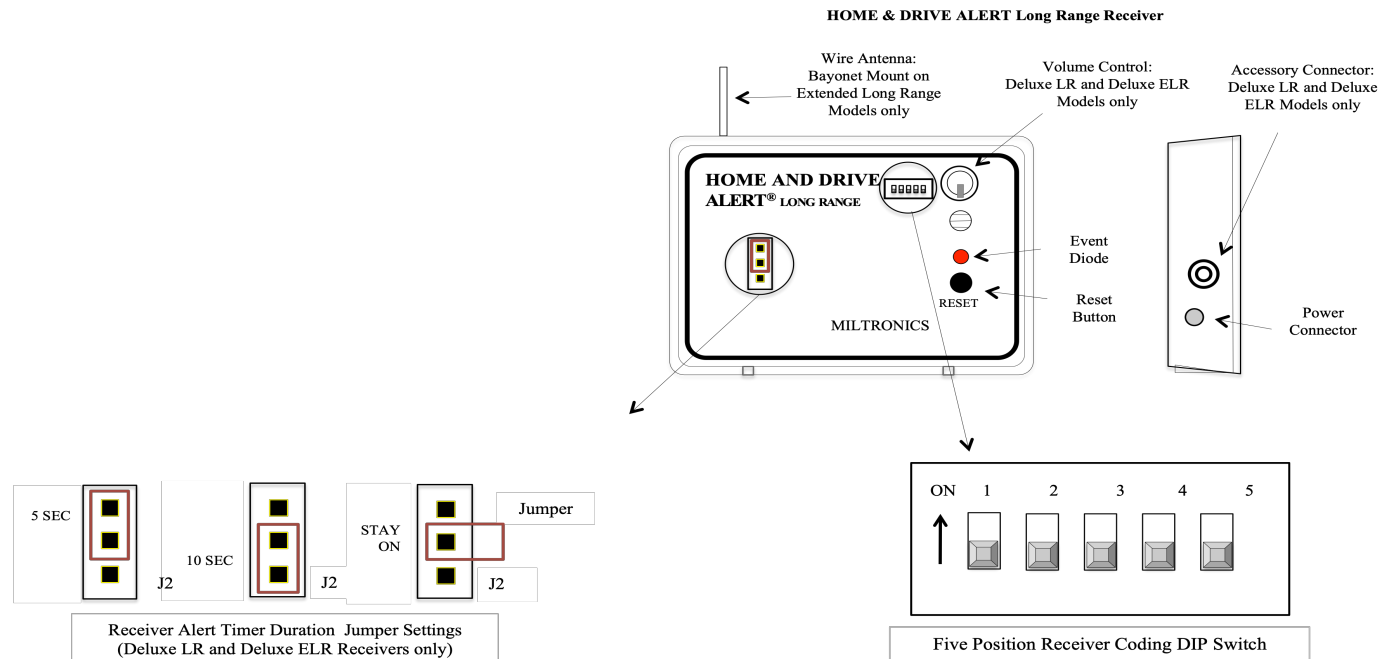
RECEIVER OPERATION AND INSTALLATION: Plug the transformer into a 110-volt, indoor outlet. Stand the Receiver up or mount it to the wall with the included hook and loop fasteners. Extend the wire antenna straight upward (For Extended Long Range Model; attach the rigid bayonet mount antenna to the connector on the Receiver). The Receiver will sound the alert and the Event Diode will illuminate when the sensor is activated and the signal is received. The alert sound resets itself after five seconds and the Event Diode remains on. Pressing the Reset Button after an event will shut off the Event Diode. The Alert Tone will continue to alert you with every intrusion. The Alert Tone Duration is factory pre-set for five seconds. By changing the on board Jumper settings, you can change the tone duration to 10 seconds or constant on. When in the constant on mode, the Alert Tone and Event Diode can be reset by pressing the Reset Button. The volume control (Deluxe LR and Deluxe ELR Receivers Only) is used to change the sound level of the Alert Tone.

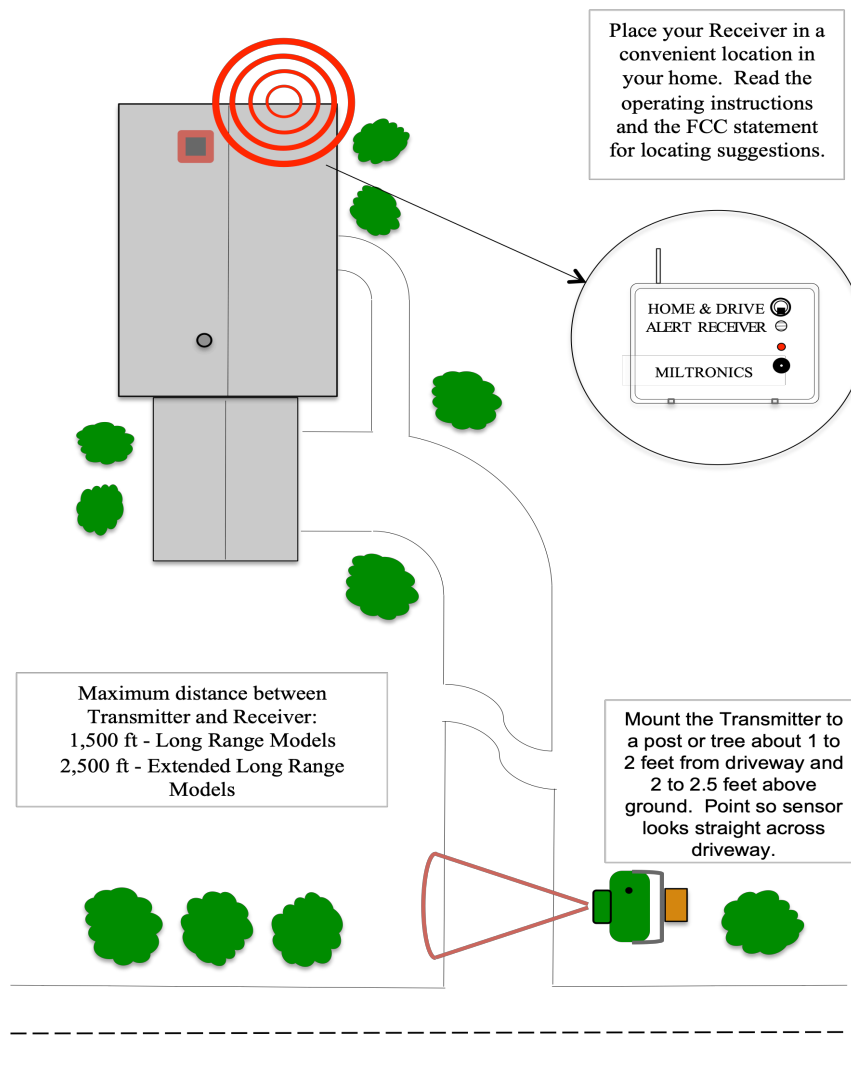
The Long Range and Extended Long Range Receiver Models come equipped with an accessory jack for the easy addition of accessories (sold separately), adding to the versatility of the Deluxe systems. Carefully align and plug your Accessory plug into the jack on the Receiver and ensure you feel two "clicks" indicating proper engagement. The accessory output supports 12-volt DC accessories with a maximum current draw of 300-mAmp.

In **unobstructed** space, the reception range can reach up to 1,500 feet (up to 2,500 feet for Extended Long Range models). Range may be reduced by certain obstructions such as; metal buildings, dense woods, brick walls, etc. For maximum range, locate the receiver in an area in your home with some direct visibility to the sensor. In order to minimize interference, it may be necessary to plug the Home & Drive Alert™ Receiver into an electrical circuit with no other operating appliances. Hard-wired Sensor Transmitters and Receivers are available when transmission is not possible or practical.

RECEIVER CODING ADJUSTMENT: The system coding is factory pre-set and should be adjusted only in the event of interference from another source. Prior to adjustment, unplug the 110-volt transformer from the power outlet and disconnect power cord from the Receiver. Remove the volume control knob and cover to access the Five Position Coding DIP Switch. **See diagram below.** The DIP-Switch settings in the Receiver must match the settings in the Sensor/Transmitter. Replace cover and volume knob prior to operation.

WALK TEST: After setting up your system, perform a "Walk Test" to ensure proper system operation. Walk and drive through the detection area and have someone listen for the receiver to sound. The Sensor/Transmitter and/or the Receiver can then easily be repositioned if not performing as desired. See the FCC Statement at the end of this Manual for more information.





Home & Drive Alert™ System Set-Up

CAUTION: Changes or modifications not expressly approved by Miltronics could void the user's warranty and authority to operate this device.

FCC STATEMENT: This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation. This equipment has been tested and found to comply with the limits for an intentional radiator pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instructions may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help

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