

EXHIBIT 4
USER INSTRUCTIONS

DRAFT OPERATING INSTRUCTIONS FOLLOW THIS PAGE

USER INSTRUCTIONS
FCC ID: ELGMOTION

EXHIBIT 4

Mail Alert™

Congratulations on your purchase of **Mail Alert™**.

Mail Alert™ tells you when the mail is delivered. It works from up to up to 500' feet away, line of sight.

Parts Included: **Mail Alert™ Transmitter for mail box**
 Mail Alert™ Receiver for inside house
 12 Volt AC Wall Adapter
 Double Stick Foam Tape for Transmitter

Directions:

1. Plug the AC adapter into both **Mail Alert™** and the wall outlet. The red power light will come on.
2. Test the system before mounting the transmitter in the mailbox. Lay the transmitter with the label facing up for 10 seconds, then turn it over so it is face up. The **Mail Alert™** receiver should beep several times. If the receiver **does not** beep, see the Troubleshooting section of the instruction.
3. Mount the transmitter in the mailbox using the double stick tape provided. Mount the transmitter by peeling one side of the tape off and placing it on the transmitter label. Then peel the other side of the tape off and mount it on the mailbox according to the pictures below. The arrows on the label should be pointing up when the mail box door is closed.
4. The receiver will beep every 5 minutes for the next two hours and the green light will flash constantly until the unit is reset.
5. After the mail has been retrieved, press the red button to reset **Mail Alert™**.

Volume Control:

- To lower the volume of the beeper, move the Volume Control Switch (the switch farthest from the antenna) away from the antenna. Switching it back increases the volume.
- **If the Mail Alert receiver does not respond to your transmitter and it is not a range problem – use the following 5 steps to teach the receiver the transmitter's code:**
 1. Lay the transmitter with label side facing up for 10 seconds.
 2. Slide the switch closest to the antenna towards the antenna (learn mode). The green light will burn steadily.
 3. Turn the **Mail Alert™** transmitter face up. Or open the mailbox door if the transmitter is already mounted.
 4. The receiver will chirp several times.
 5. Slide the Switch away from the antenna (use mode). The green light will go out. Flip the transmitter label up for ten seconds and then down. The receiver should beep five times. Leave the switch in this position for normal use.

Warranty: 1Year

Made in the USA

This device complies with FCC Rules Part 15. Operation is subject to two conditions: 1) This device may not cause harmful interference, and 2) it must accept any interference received, including that which may cause undesirable operation.

FCC ID: ELGMOTION

DOC: _____

DesignTech International, Inc.;
 7955 Cameron Brown Court; Springfield, Virginia 22153

User is cautioned that changes or modifications not expressly approved by Designtech could void the user's authority to operate this equipment.

EXHIBIT 5

CIRCUIT DESCRIPTION

The Motion Alert consists of a microcontroller which interrogates a magnetometer (L2, Q2, Q3) at regular intervals, ranging by application from 0.25 to 2 seconds apart. The magnetometer is sensitive enough to detect small changes in the value of the Earth's magnetic field projected along its axis. When the Motion alert is rotated around any of its major axes, the axis of the sensor will change, typically resulting in a change of projected field. If the change is large enough, an movement event is sensed. The size of change needed to trigger an event is set by software and by option jumpers.

When a movement event occurs, the microcontroller determines whether to send an alarm. If this is the first event in a long while, the unit will send a cluster of identical transmissions identifying the unit to the receiver. If an alarm has already been sent less than four seconds previously, or if this is one of a string of closely spaced events, no transmission will occur.

The microcontroller, PIC12C508, keys Q1 in a saw resonator circuit with L1 as the radiating loop.

CIRCUIT DESCRIPTION
FCC ID: ELGMOTION

EXHIBIT 5

ws/pt15/desmotion