

Vehicle Detector Board Setup Instructions Eberle Design, Inc., Model LMA-1400



Set up and test of this vehicle detector board is slightly different than others in the past, specifically in the case of tuning the sensitivity, it is actually easier and more reliable.

1. Apply power to the Fast Track Timer, a small display on the detector should show 2 flashing numbers, with a pause between. These 2 numbers are the approximate frequency of the oscillating signal on the loop, in kilohertz. For instance, you may see a "4" and then a "2", this means the approximate frequency on the loop is 42 kilohertz.

NOTE: The frequency should be somewhere between 30 kilohertz and 70 kilohertz, if it is not, call Delphi Display Systems – Customer Care Center for assistance.

2. The display will now show a number, which may vary if there is a vehicle near the loop. If there is not a vehicle near the loop, the display should show a "0". If you did not get to see the numbers on the vehicle detector board when the timer was powered ON, you can press and release the switch labeled "RESET" on the detector board, it is the furthest switch to the right, and the numbers will appear again.
3. The next step to set the sensitivity is to have a vehicle stop on the loop. This should NOT be a lowered vehicle or a lifted vehicle, but should be an "average" height vehicle. You will now see a number on the display, the ideal number for an average vehicle should be a "5". If this number is other than a "5", use the "UP" or "DOWN" switches to adjust the displayed number to "5".

NOTE: Once this has been done, you will see that lower vehicles will show a higher number and lifted vehicles will show a lower number, this is normal.

The sensitivity setting of the vehicle detector board can be viewed by pressing either the "UP" or "DOWN" switch once while the loop is not occupied. The setting will be displayed for 5 seconds.

If the display shows a sequence of about 5 numbers, call Delphi Display Systems for assistance.

If the detector does not perform as stated in this document, please contact Delphi Display Systems – Customer Care Center for assistance.