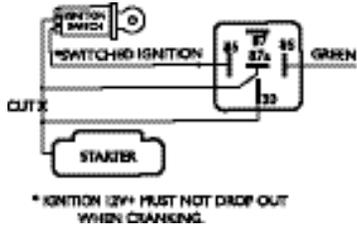
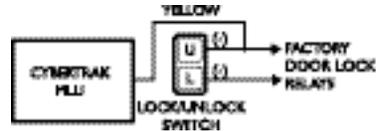


INSTALL GUIDE

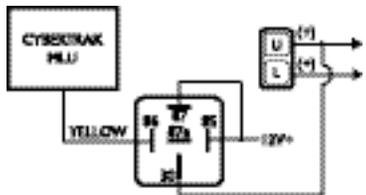
STARTER DISABLE RELAY DIAGRAM



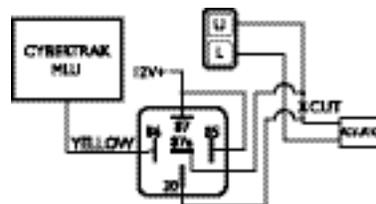
NEGATIVE PULSE DOOR UNLOCK DIAGRAM



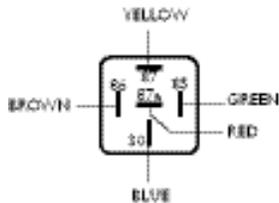
POSITIVE PULSE DOOR UNLOCK DIAGRAM



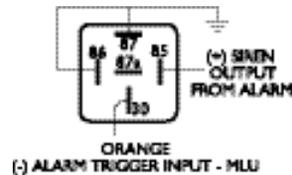
REVERSE POLARITY UNLOCK SYSTEM DIAGRAM



RELAY HARNESS COLOR CODE



ALARM INPUT REVERSE POLARITY



- Select the mounting locations for the MLU and Antenna. Do not mount the MLU or the antenna under the hood or expose to outside elements. If the back-up battery is being installed, allow for room to properly install it as well. There is a 1-foot extension lead so the unit must be mounted near the MLU.
 - GREEN WIRE- (1 amp negative output) Starter Disable output wire. Connect to the supplied SPDT Relay and harness (See relay diagram)
 - YELLOW WIRE- (1 amp negative output) Door Unlock Output wire. Connect to the supplied SPDT Relay and harness (See Relay Diagram)*
 - BLACK WIRE- Chassis Ground. Connect to a solid chassis ground.
 - RED WIRE- 12V+ Constant Input. Connect to a constant 12volt power source.
 - BROWN WIRE-12V+ Ignition. Connect this wire to an Ignition Switched 12 volt power source. It must provide "0" volts when ignition switch is turned to the OFF position.
 - PURPLE WIRE- 3V+ LED Output. Connect this to the positive lead of a 3-volt LED. This output will flash the LED when the GEO FENCE Feature is set.
 - ORANGE WIRE- Alarm Trigger input (Negative input). Connect this wire only if Alarm Alert notifications are desired when aftermarket alarm has been triggered 15 seconds or more. Connect to siren output. If siren output is a positive output then use a SPDT relay to switch polarity.
 - BLUE WIRE- GEO FENCE manual switch input (Negative input). Connect this to a N/O momentary switch to turn on the GEO FENCE feature (See wiring diagram). See User Guide for manual GEO FENCE Use.
- The Antenna is designed to mount inside the vehicle. The antenna must not be in contact with anything metallic, or covered by any metallic objects to work properly. Mount antenna towards the front center of the dash. Mount the antenna as horizontally as possible.
- The GPS portion of the antenna (raised area on antenna) must be pointed to the horizon through the windshield. Make sure the window does not have any metal film at base of window to block GPS signals. Do not crimp or route antenna cables avoiding damage after the installation.
- WIRING CONNECTIONS. (Make connections, but do not plug into MLU)
 - GREEN WIRE- (1 amp negative output) Starter Disable output wire. Connect to the supplied SPDT Relay and harness (See relay diagram)

* This output will always pulse twice to accommodate vehicles requiring a double pulse for unlock.

- i. WHITE/BROWN WIRE- Extra Output Trigger. (Negative momentary output). Connect this output to Remote Starter or other accessory for activation.
- j. GREEN/YELLOW- Test Wire. Ground this wire after installation and harness has been connected to the MLU. This will test all of the outputs that are connected to the vehicle without charging access usage to the end user.
- k. WHITE- NO CONNECTION
- l. GREY- NO CONNECTION
- m. WHITE/YELLOW- NO CONNECTION

5. Start Up Procedure:

- a. Disconnect Back Up Battery prior to connecting the main harness to the MLU.
- b. Make sure the vehicle is parked outside and has a clear view of the horizon for GPS and the Cellular boards to "lock in".
- c. It can take up to 15 minutes for the GPS and Cellular boards to properly align.
- d. Please observe the diagnostic LED on the MLU (next to the antenna connectors).
- e. When the unit is first powered up the LED should flash Green 1 second on and 5 seconds off. As the GPS board locks in, it will increase the flash rate to 1 second ON and 1 second OFF.
- f. Flashing Red LED indicates that the MLU is not receiving a good Cellular signal. If this continues, try moving the vehicle or moving the antenna to see if the Cellular signal improves.

5. Testing the Outputs

- a. Ground the GREEN/YELLOW test wire. This will activate the door lock, starter disable outputs and the extra output trigger. If the Green/Yellow wire is grounded more than

5 minutes it will automatically exit the test mode. After you are through testing the outputs, please make sure to insulate the Green/Yellow wire so that it will not short to ground and putting the MLU back into the Test Mode.

7. Confirming Proper Operation

- a. Prior to final installation of the MLU and back up battery, verify that you have a proper Start Up Test.
- b. GO TO www.cybertraklocate.com
- c. Enter the last 6 digits of the ESN (either on box or on MLU) in the log in and password box and click on Enter.
- d. You will now view the Control Panel for that MLU.
- e. GO TO Vehicle History Request (No Access charges)
- f. You should see a Start Up Test with your approximate location. You should not get "Somewhere Near", if so, move antenna.
- g. Confirm that the unit is working properly by requesting a Location Request, could incur overages.
- h. For Technical Support Contact us at 800 421 3536 M-F 8am-6pm PT

8. Final Installation Procedure.

- a. Connect the Back Up Battery to the harness (2 pin plug), and permanently mount in vehicle.
- b. Make sure that the antenna and MLU are firmly mounted and will not move or shift position after installation.
- c. Please go over the User Guide with your customer and show them the optional manual Geo Fence switch and LED location (If installed).

