



By:



PLC50/PLC100 Series Guide to Operations

Thank you for purchasing a TowMate Lighting System!

System Features:

- Your complete system should include:
 - Two wire install, flush-mount, intelligent LED safety lighting strip.
 - Ventilation tube.
 - Magnet for linking unit to controller.
- Installs easily with only two wires!
 - Our patent pending technology eliminates the need to wire the lights directly to the control console or switch panel in the cab. Instead, our design allows the system to operate by simply hooking the two components up to power and ground.

- 50,000 hour lamp life
- Lifetime Warranty
 - If ever the light fails to get a signal or an LED burns out, TowMate will replace the defective unit at **no cost**.

Installation Instructions:

1. Slide the included ventilation tube over the wires and securely fasten it to the nipple on the back of the light assembly so that it will be pointing downward when installed.
2. Decide which power source you will be tapping into in order to power the light strip itself.
 - a. Connecting to power and ground that is switched with the ignition or the tail lights is a simple way to power the unit utilizing existing wiring.
3. Mount the light to any surface using two screws.
4. When installing the controller, tap into any 12V+ source that is accessible from the dash area.
5. The unit should now be fully operational.

Configuration Instructions:

1. Before activating the controller for linking, apply power to the light and wave a magnet over it in order to cycle through the marker light modes (or no marker).
2. Determine which lights you wish to activate when a particular switch or function is activated at the controller/switch panel.
3. Activate the selected switch or pattern on the controller/switch panel.
4. Hold the provided magnet over the end of the light module that is labeled “L” (Link) on the circuit board within the lens itself. (“L” Will Be Visible On PLC100 Series Only)
 - a. The light should now come on any time the selected pattern/switch is activated from the controller/switch panel.
5. Wave a magnet over the opposite end to cycle through the pre-programmed patterns of the light strip one at a time.
6. Repeat steps 1-4 for each light strip you wish to program. They can all activate with different functions, all together, in pairs, or any way that suits your needs.

Instructions for Adjusting Controller Signal Power:

Some PLC installations require more signal power than other installs. The following is an explanation of the procedure for setting the output power level.

1. Preparing your control
 - a. Apply 12V power to the 6-button control. Verify that the PLC indicator is flashing red/green. Also, verify that all other functions are “activating” on the control.
 - b. REMOVE POWER
2. While pressing and holding the top left (Button 1/Left Arrow), reapply power.
 - a. The upper left LED will stay on steady.
 - b. The current power level setting is displayed on the bottom 3 LEDs. See example picture.



3. Press the upper right button to change the power level.
 - a. Each press will increment the power setting one position. Once the max level is reached, the power level will loop back to zero with the next press of the button.



4. To finish the power level setup, disconnect and reconnect power.
5. To verify the power setting, repeat step 2.

Warranty/Service:

1. As with **all** TowMate products, there is a lifetime warranty on the electronics and LED's.
2. If you have any questions, or think you may require service, please call (800) 680-4455, and we will be happy to help.