Installation Instructions

1. First select a position to mount the control board. This can be in a separate control enclosure but usually there is more than enough room inside the signal case behind one of the light / reflector assemblies. It should be a flat area at least as large as the circuit board. (2 x 3.5 inches) Make sure you allow clearance on the terminal block side of the board for the wires to exit and insure that the lamp reflectors will clear the circuit board. Next snap the nylon mounting posts into the holes in the control board, so that the nylon post (spacer) separates the board from the light case. Test the fit by closing the signal door and reflector and insure that there is no interference with the door.

2. Locate a suitable hole in the body of the light to install the power cord through. The cord should be secured where it enters the light. You will need a cord clamp or at least a knot to prevent it from pulling back through the hole. Now your ready for the wiring. (Reference Wiring Diagram)

3. Strip 1/4 in. insulation off the end of each wire. First connect a common wire from both lights to the first terminal position on the block. This lamp common (LCM) connection can be established on the screw terminal strip in your light case (if available) or the two wires can be twisted together with a wire nut to make the connection to a short pig tail wire.

4. The short lamp common wire is then inserted in the first position of the terminal block and secured by tightening the screw. The AC line cord wires are next connected to terminals 2 and 3 on the terminal block. If your light has a metal body you will want to connect the ground wire from your cord directly to the case of the light.

Note: There is NO connection between the ground wire and the T2A control module.

5. The other wire from both lights is now connected to the terminal strip. WLK & DNT.

6. Recheck your wiring to insure it matches the wiring diagram. Make sure none of the wires from the lamp sockets are connected directly to either side of the AC line. All lamps must be connected to the timer board terminal strip only! This is important!

7. Make sure all connections are tight and case is closed.
   Congratulations, your ready to apply power!
LIGHTS TO GO T2A PEDESTRIAN SIGNAL CONTROL

SPECIFICATIONS:

Model T2A - Pedestrian Signal Light Control
Microcontroller based, programmable logic control with Firmware programmed sequence, adjustable speed
Input / Output Voltage: 120 VAC  LED or Incandescent only
Maximum Lamp -150W per channel
Controller consumption; < 1W

1 year Limited Warranty - Includes any defects of material or workmanship. In case of unit failure, Contact factory for return instructions. Non-Warranty repair is also available for a nominal charge, just contact the factory at the email / address listed below.

Warning: Danger of Electric Shock

This device is intended for decorative display use only. No warranty is made as to its suitability for use in any other application. This circuit operates directly from a 120 Volt AC power source. If you are unfamiliar with electrical safety and wiring practices get some help from a qualified electrician.

1. Device is intended to be installed permanently in a grounded metal control box or signal light case. Do Not operate unit without insulating nylon spacers installed.

2. Do Not apply power until all connections are made and wires firmly attached & Do Not adjust, touch, disconnect or otherwise modify connections while control is plugged in.

3. To prevent overload and possibility of fire – Do Not use bulbs that exceed 150 W.

4. Do Not use with Neon or low voltage (halogen) Fiber Optic pedestrian signal systems; Since these are not Led or incandescent they may damage the control

5. Note on Countdown type signals: The T2A will operate Pedestrian Countdown type These signals require one complete cycle of control to adapt to the Don’t Walk cycle of the control unit and may not count down correctly until the second cycle.

See Wiring Diagram for more Information or for additional info or Questions Contact:

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