

## INSTALLATION INSTRUCTIONS FOR LATCHING LED PUSHBUTTON SYSTEM

Materials required: 10 – 2 to 4 foot lengths of wire, 14-18 awg. Optional wire markers.

If there is any pedestrian traffic, you should place the intersection in ped recall to allow pedestrian movement during the installation process.

Inside the cabinet, make sure the ped button wires are marked with the identifying phase. Disconnect the ped button wires from the traffic controller.

Remove the ped buttons from the poles and replace with Polara's BDLL2 pushbuttons. No polarity on the connection needs to be observed.

Refer to the appropriate wiring diagram and connect the ped button field wires to the TO BUTTONS terminals on the Latching LED Control Unit. For each ped phase, use one connection on the Control Unit. A maximum of five buttons may be used on one phase.

Using additional wires, connect the PED OUTPUTS terminals to the traffic controller ped inputs (where the buttons were connected before), and connect the 115 volt walk signals from the load switches to the WALK INPUTS terminals. Keep the phases matched up by using the letters (ABCD) on the Control Unit. Refer to the wiring diagram.

Connect the Control Unit Line, Neutral and Ground terminals to a lightning protected constant source of 115VAC.

Test the system by pressing each button during the Don't Walk and check that:

1. LED on button turns on and stays on until next Walk light.
2. Button beeps at each press and release.
3. Corresponding phase red light in Control Unit turns on while button is pressed.
4. Ped call is received by traffic controller on correct phase.

Button LED's should turn off and buttons should not operate while Walk is on for the particular phase.

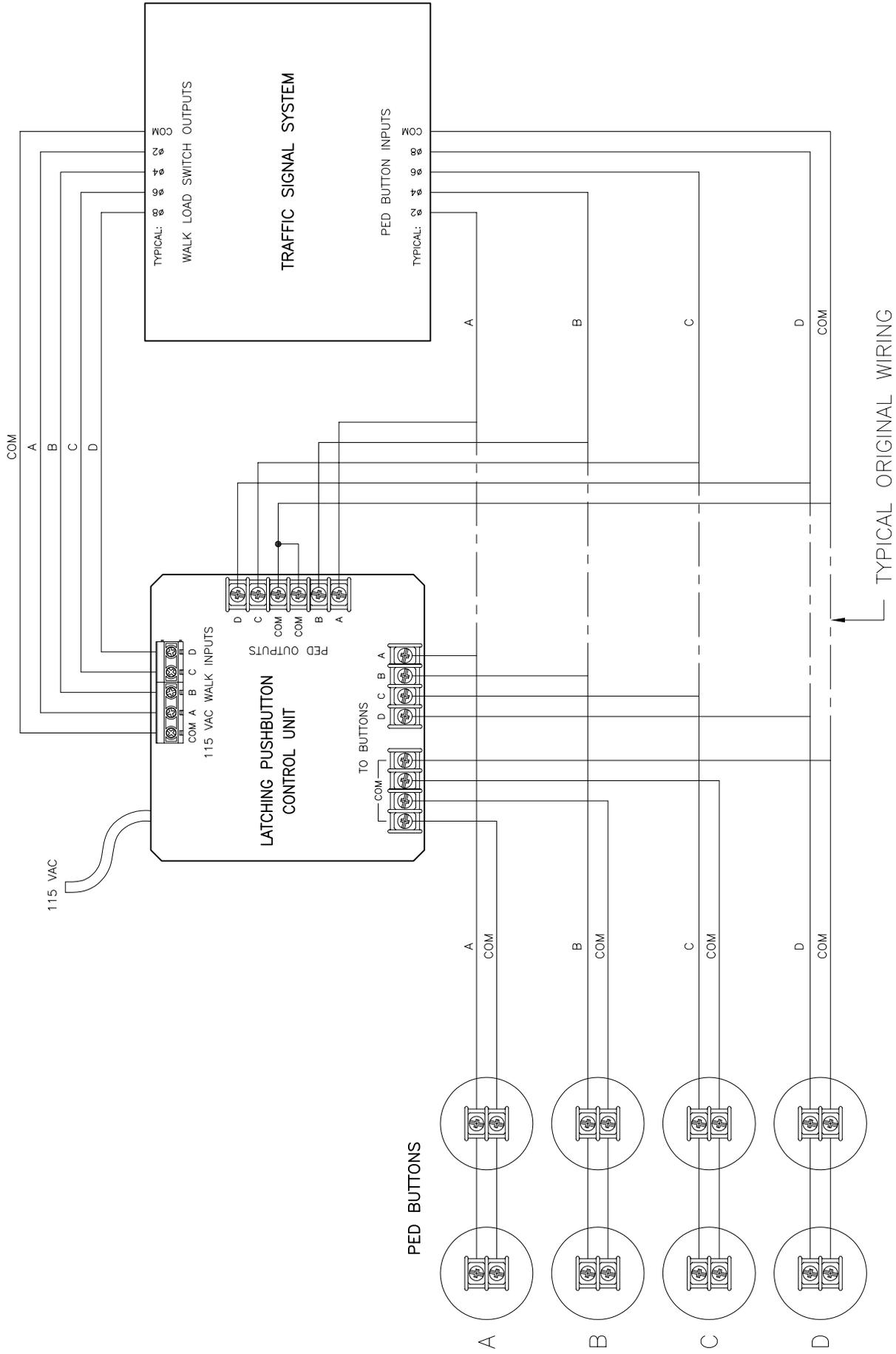
If everything checks OK, turn off the ped recall on the traffic controller.

If the system is completely inoperative, check for the presence of 115VAC at the Line and Neutral terminals. If that checks OK, open the Control unit and check the fuse inside. Fuse type: 5x20mm, ¼ amp, Slow-Blow. For technical support, call Polara at (888) 340-4872.

**Please note: This latching LED Bulldog controller and buttons are designed to work together as a system. Should a button fail or have to be replaced, it should be replaced with a BDLL2 style button.**

**In an emergency, should you not have a BDLL2 replacement button, you can install a microswitch button as long as you install a 180 ohm resistor between one of the button terminals and the wire that would normally connect to that terminal. This will keep the LEDs on any other buttons on the same phase working properly.**

# LATCHING LED PUSH BUTTON SYSTEM WIRING DIAGRAM ONE COMMON



# LATCHING LED PUSH BUTTON SYSTEM WIRING DIAGRAM TWO COMMONS

