

Push Button Interface Card (PBIC) Installation Guide

906-0006

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This Installation Guide provides guidance to those involved in the installation of the PBIC.
This guide assumes that you have some knowledge of traffic equipment.



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Installation Guide

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A	Released	Zsapp	6-25-2012
B	Modified - Clarity	Zsapp	12-6-13
C	Updated Cable Diagram	JMeier	11-3-2015

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1 Introduction

1.1 Purpose of this document

This guide covers the installation of the Push Button Interface Card (PBIC) and related components, Pedestrian Walk Signal sensing cable, 4EVR EL Push Button.

1.2 Identification

- Push Button Interface Card Rev B
- Pedestrian Walk signal sensing cable
- 4EVR Push Buttons Rev EL

1.3 Points of Contact

- Tony Brennan, Manufacturing Engineer 1.208.345.7459 tony@pedsafety.com
- Zane Sapp, Electrical Engineer, 1.208.345.7459 zane@pedsafety.com

2 Installation Plan

2.1 Scope

The Installation guide provides instructions for the installation of the Push Button Interface Card and ensuring functionality. This document does not discuss the operational function. (See Owner's Manual)

2.2 Standard Components

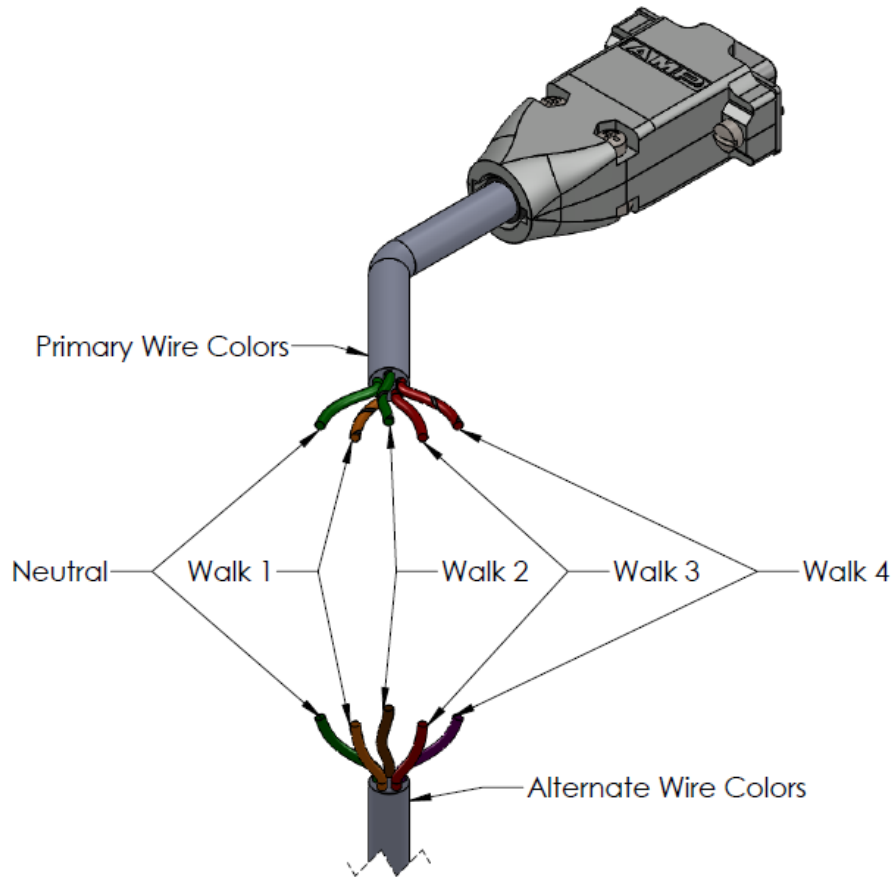
- Push Button Interface Card
- Pedestrian Walk Signal sensing cable
- 4EVR EL push buttons (sold separately)

2.3 Tasks

#	Sequence of Installation
1.	Install PBIC to Rack in Cabinet
2.	Wire Push Button Interface cable
3.	Drill and tap pole for MPS
4.	Connect field wires to 4EVR <u>EL</u>
5.	Attach 4EVR <u>EL</u> to MPS
6.	Test
7.	Fax checklist to Campbell Company

2.4 Installation Procedure

Push Button Interface Card Installation (See Fig 1)



Position	Wire Color	Alternate Color
Neutral	Green	Green
Walk 1	Orange/Black	Orange
Walk 2	Green/Black	Brown
Walk 3	Red	Red
Walk 4	Red/Black	Purple

Figure 1

The Pedestrian Walk Signal sensing cable connects the PBIC and Walk Signal Load cells. Connect the conductor in the cable to the appropriate Walk Signal Load cell. See Figure 1 for conductor identification.

Card Pinout:

A	Logic Ground
B	Detector Unit DC Supply
C	N/A
D	Channel 1 Loop Input
E	Channel 1 Loop Input
F	Channel 1 Output (+)
H	Channel 1 Output (-)
J	Channel 2 Loop Input
K	Channel 2 Loop Input
L	N/A
M	N/A
N	N/A
P	Channel 3 Loop Input
R	Channel 3 Loop Input
S	Channel 3 Output (+)
T	Channel 3 Output (-)
U	Channel 4 Loop Input
V	Channel 4 Loop Input
W	Channel 2 Output (+)
X	Channel 2 Output (-)
Y	Channel 4 Output (+)
Z	Channel 4 Output (-)

Mount the 4EVR Button

1. Attach pedestrian field wiring to the two position terminal on backside of button
2. Attach the 4 EVR EL PPB with the LED up with 4 8-32 x 3/4" screws

3 Post Installation

3.1 Operational Check

1. The 4EVR EL push button should light their LED's on a button press and should stay lit until the Walk Signal is active.
2. Audible Dee Dah tone can be heard when button is pressed.
3. If one button on a phase is activated the rest of the push buttons on that phase should light their LED's as well. All LED's will clear once the Walk Signal is active.

3.2 Operational Check List

Installer: _____ Order Number: _____ Date: _____

Initial:

____ Call is placed when button is pressed.

____ LED is lit when call is placed

____ Audible Dee Dah tone can be heard when button is pressed

____ LED clears when corresponding Walk Signal is active

____ Copy of checklist is faxed to Campbell Company 208-345-7481

4 Appendix A: Acronyms, Abbreviations & Definitions

Term	Meaning
4EVR	Brand of Campbell Push Button E Rev has momentary LED flash
4EVR <u>EL</u>	Brand of Campbell Push Button (L) Designating latching. For use with PBIC
LED	Light Emitting Diode
PBIC	Push Button Interface Card