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# 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

## 906-0006

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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 CL Push Button.

## 1.2 Identification

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

## 1.3 Reference information

- See PBIC Owner's Manual for operational information

## 1.4 Points of Contact

- Tony Brennan, Manufacturing Engineer 1.208.345.7459 [tony@pedsafety.com](mailto:tony@pedsafety.com)
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## 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 XL push buttons (sold separately)

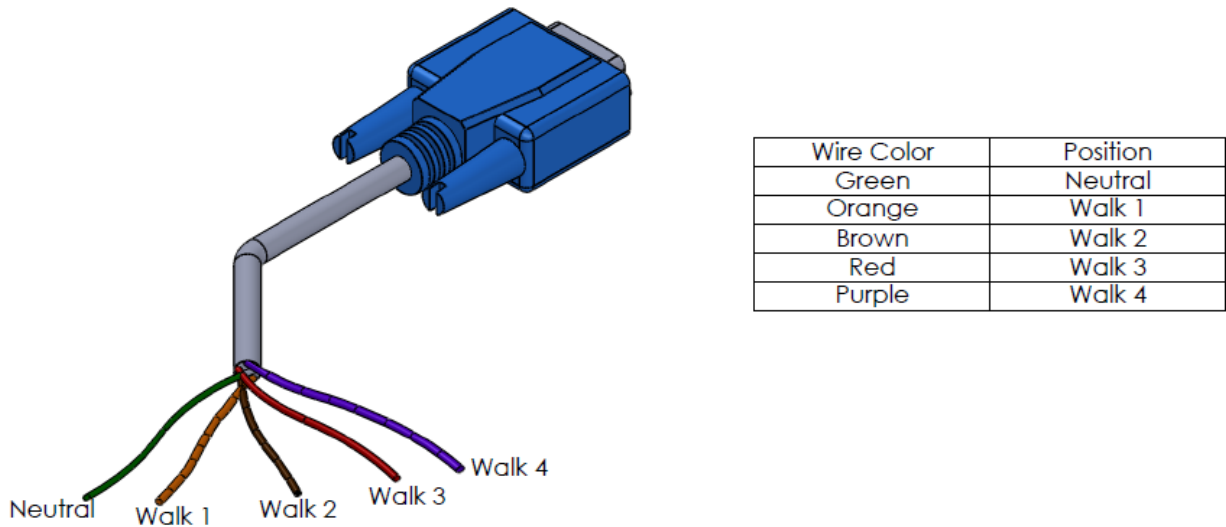
### 2.3 Tasks

#	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>X</u> L
5.	Attach 4EVR <u>X</u> L to MPS
6.	Test
7.	Fax checklist to Campbell Company

## 2.4 Installation Procedure

**Push Button Interface Card Installation** (See Fig 1)

### Push Button Interface Card Cabinet Wiring



*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 CL PPB with the LED up with 4 8-32 x 3/4" screws



## 3 Post Installation

### 3.1 Operational Check

1. The 4EVR XL 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 C Rev has momentary LED flash
4EVR <u>X</u> L	Brand of Campbell Push Button (L) Designating latching. For use with PBIC
LED	Light Emitting Diode
PBIC	Push Button Interface Card