



# PBI Installation Quick Guide

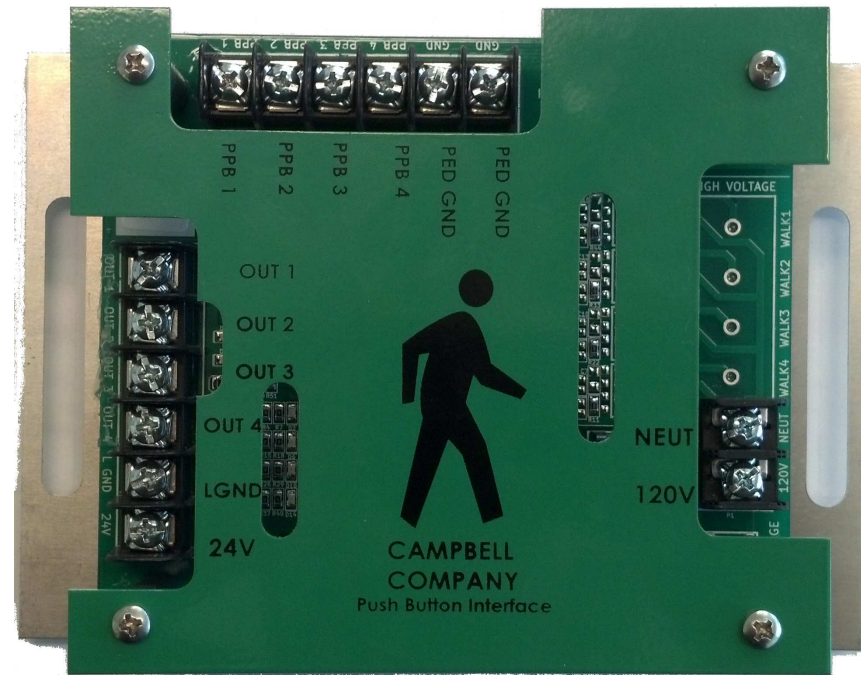
The Campbell Company Push Button Interface (PBI) supports 4 pedestrian phases with up to four 4EVR pushbuttons per phase. In the event of a power supply failure, the PBI will output a constant contact closure.

## PBI Cabinet Installation

- 1) Mount the PBI-L in the cabinet in a location where the Pedestrian Detection Inputs are within reach.
- 2) Attach the pedestrian pushbutton field wiring to the PBI at the terminals labeled PPB 1-4 and GND. The pushbutton field wiring common should be connected to the GND terminals.
- 3) Attach wires from the OUT 1-4 and L GND terminals of the PBI to the cabinet's Pedestrian Detection Inputs. L GND should be the logic common for the Pedestrian Detection Inputs.
- 4) Attach wires from the 120V and NEUT terminals of the PBI to a 120VAC power source.

## Verification

- 1) While the Pedestrian Signal is showing the Don't Walk signal, depress the pushbutton. You should get an audible De-Da tone and the pushbutton's LED should momentarily flash.
- 2) A call should be generated at the traffic controller for the pedestrian phase associated with the pushbutton.



| Item                               | Value | Units |
|------------------------------------|-------|-------|
| General                            |       |       |
| Minimum Operating Voltage          | 89    | VAC   |
| Maximum Operating Voltage          | 135   | VAC   |
| Idle Operating Current (@89VAC)    | 25    | mA    |
| Maximum Operating Current (@89VAC) | 70    | mA    |
| Minimum Operating Temperature      | -40   | deg C |
| Maximum Operating Temperature      | 85    | deg C |
| PPB Input/Outputs (per channel)    |       |       |
| Maximum Output Current             | 25    | mA    |
| Maximum Output Voltage             | 24    | VDC   |
| Output Activation Threshold        | 8     | VDC   |
| Minimum Input Activation Time      | 25    | ms    |
| Logic Outputs (per channel)        |       |       |
| Minimum Closure Dwell              | 150   | ms    |
| Maximum Current                    | 100   | mA    |
| Maximum Voltage                    | 50    | VDC   |
|                                    | 42    | VAC   |
| Output Impedance                   | 16    | Ohm   |



For complete documentation visit  
<http://www.pedsafety.com/product-installation-guides/>

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