



# PBI-L Installation Quick Guide

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

## PBI-L Cabinet Installation

- 1) Mount the PBI-L in the cabinet in a location where the 120V Pedestrian Signal Outputs and Pedestrian Detection Inputs are within reach.
- 2) Attach the pedestrian pushbutton field wiring to the PBI-L 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-L 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-L to a 120VAC power source.
- 5) Attach wires from the cabinet's 120VAC Pedestrian Signal Outputs to the terminals labeled WALK 1-4 on the PBI-L.

## 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 latch on.
- 2) All other pushbuttons connected to the same field wires (same phase) should also latch their LEDs.
- 3) When the Pedestrian Signal displays the Walk signal, all 4EVR LEDs on the associated phase should go dark.



Item	Value	Units
General		
Minimum Operating Voltage	89	VAC
Maximum Operating Voltage	135	VAC
Idle Operating Current (@89VAC)	25	mA
Maximum Operating Current (@89VAC)	350	mA
Minimum Operating Temperature	-40	deg C
Maximum Operating Temperature	85	deg C
120VAC Walk Inputs (per channel)		
Input Activation Voltage	20	VAC
Input Impedance	62	kOhm
Isolation Voltage	2500	V
PPB Input/Outputs (per channel)		
Maximum Output Current	100	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  
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