



## Guardian/Guardian Wave

### 120VAC or 48VDC Intersections Quick Wiring Guide

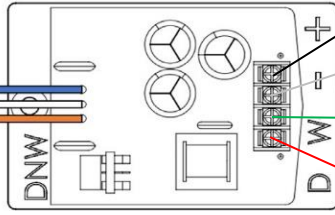
#### SPI (Signal Power Interface) in the Pedestrian Signal Head

**Warning 120VAC input or 48VDC input**

Blue wire to Walk

White wire to Neutral

Orange wire to Don't Walk



12 VDC outputs

Terminal 4: +12VDC

Terminal 3: -GND

Terminal 2: S2 W (Walk)

Terminal 1: S1 DW (Don't Walk)

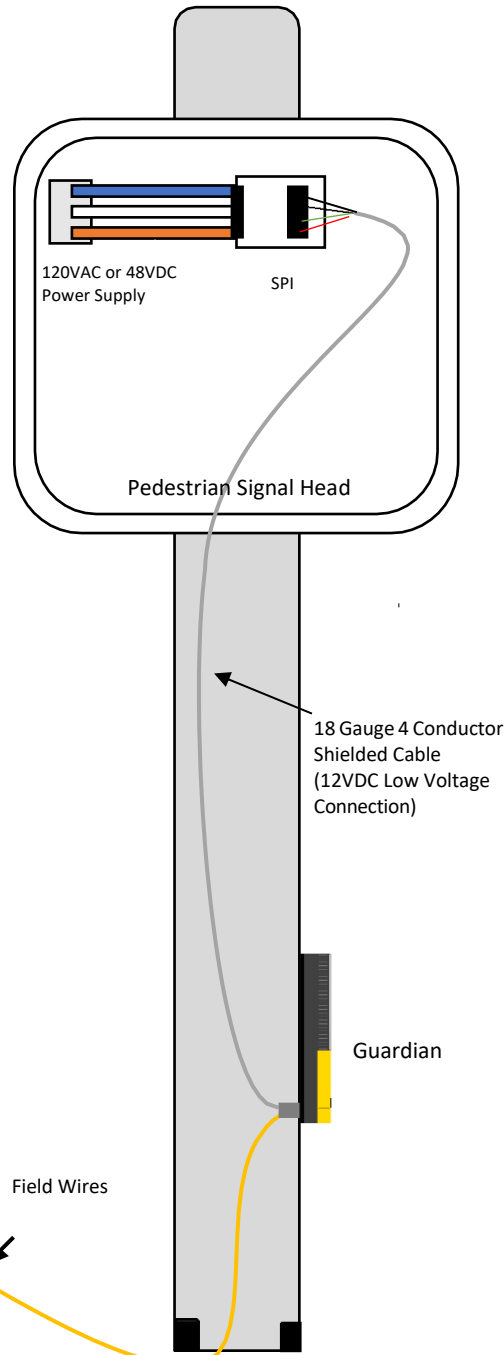
**Do NOT set the SPI on the bottom** of the Pedestrian Signal Head. Terminals of the SPI must be connected to the same terminals on the Base Station.

**Note: 48VDC intersections require a different SPI than 120VAC intersections**

#### Cabinet

- ✓ Utilizes the existing field wires from cabinet to pedestrian push buttons to place calls
- ✓ NOT polarity dependent
- ✓ Field Wires only required for intersections not in recall

Note: For NEW intersection installations, **in the absence of city or other local specifications**, PedSafety recommends IMSA 14-gauge (loop detector wire).



**Guardian/ Guardian Wave**  
Warranty void if Guardian is installed upside down



#### Guardian Wiring Connections (Enhanced view of terminal block in front)



DW (Don't Walk)  
W (Walk)  
-GND  
+12VDC  
Field Terminal  
Field Terminal

Guardian Connections 12 VDC