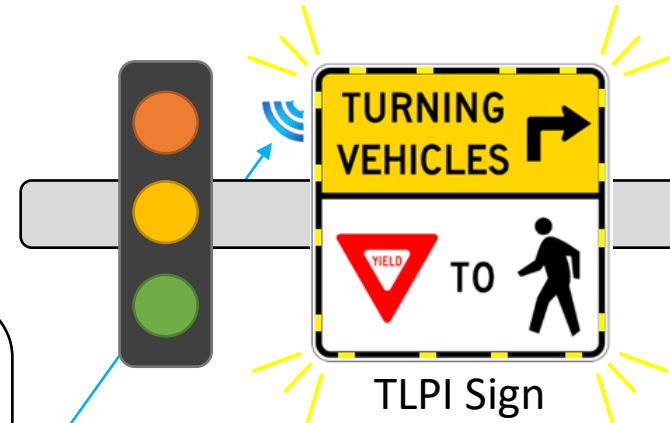




## Turning Lane Pedestrian Indicator (TLPI) Signal Node Wiring Quick Guide

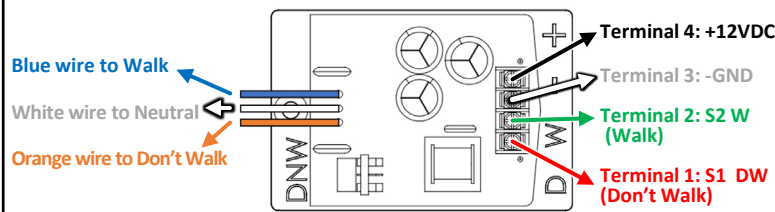
For Guardian Line of Independent APS



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

**WARNING: 120 VAC inputs**

12 VDC outputs



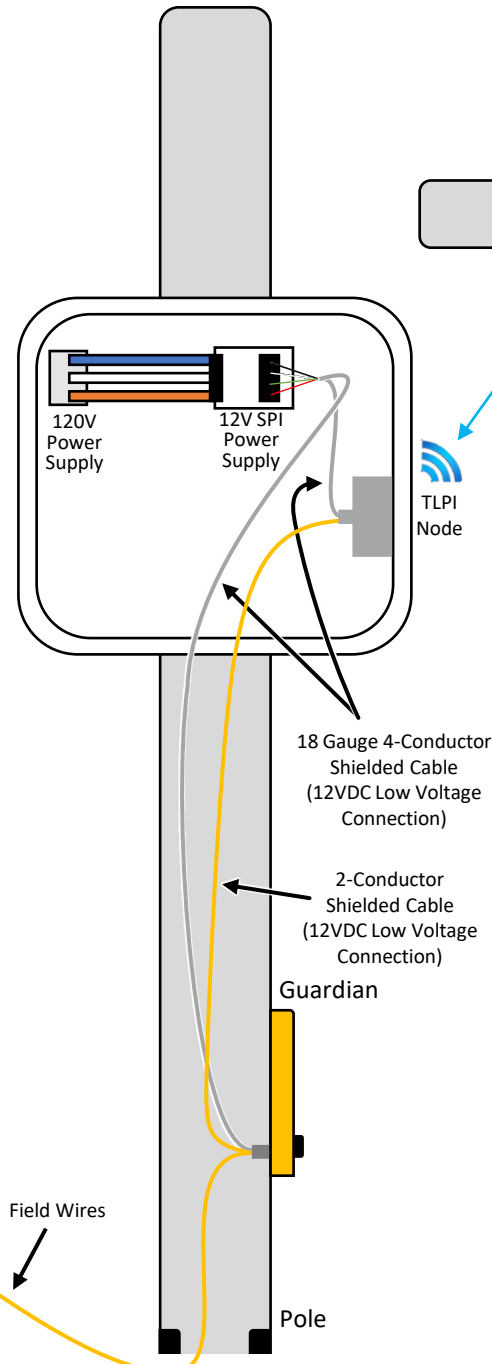
**Do NOT set the SPI on the bottom** of the Pedestrian Signal Head. Terminals of the SPI must be connected to the same terminals on the Base Station.

### Cabinet

- ✓ Utilizes the existing field wires from cabinet to pedestrian push buttons to place calls
- ✓ NOT polarity dependent



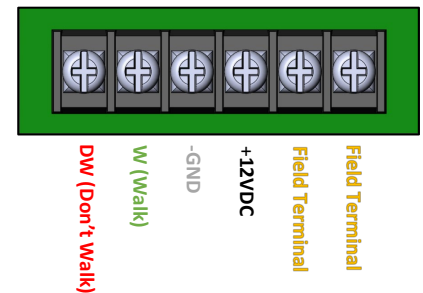
Note: For NEW intersection installations, **in the absence of city or other local specifications**, PedSafety recommends IMSA 14-gauge (loop detector wire).



### TLPI Signal Node Mounting Location

Mount TLPI Signal Node to the inside for plastic pedestrian signal heads.  
Mount outside if the ped head is made of aluminum or steel.

### TLPI Signal Node and Guardian Wiring Connections (Enhanced view of terminal block)

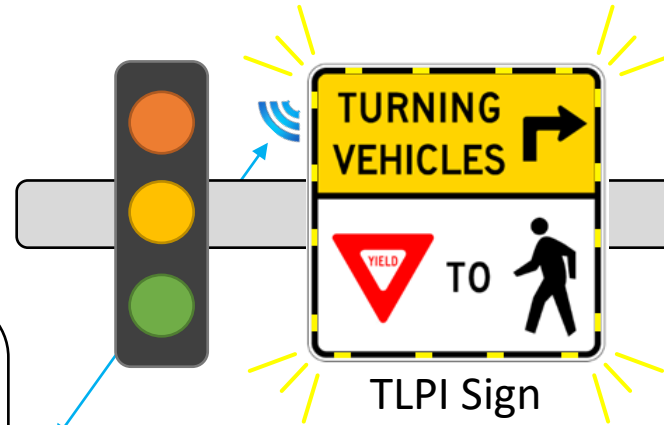


TLPI Node and Guardian Connections 12 VDC



## Turning Lane Pedestrian Indicator (TLPI) Signal Node Wiring Quick Guide

For Piezo or Typical Movement Push Button

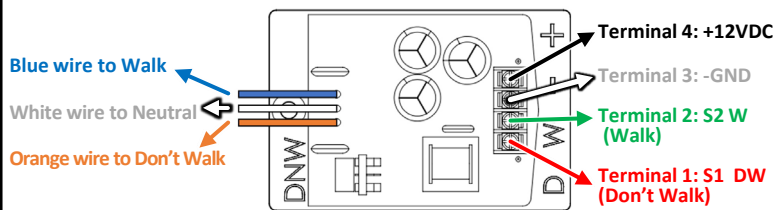


TLPI Sign

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

**WARNING: 120 VAC inputs**

12 VDC outputs



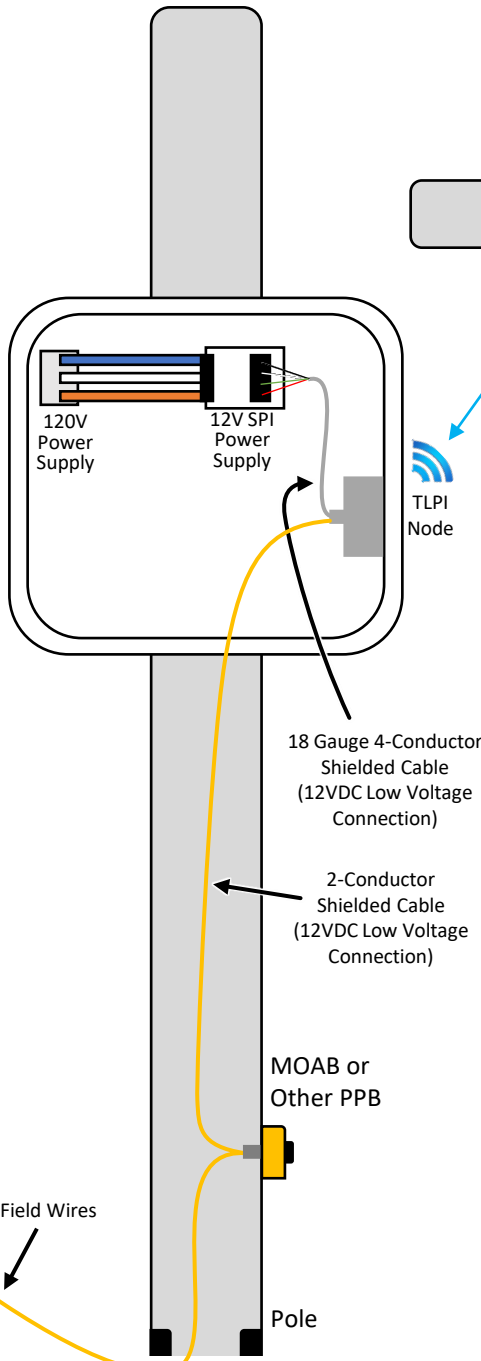
**Do NOT set the SPI on the bottom** of the Pedestrian Signal Head. Terminals of the SPI must be connected to the same terminals on the Base Station.

### Cabinet

- ✓ Utilizes the existing field wires from cabinet to pedestrian push buttons to place calls
- ✓ NOT polarity dependent



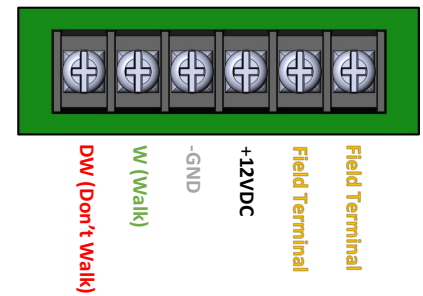
Note: For NEW intersection installations, **in the absence of city or other local specifications**, PedSafety recommends IMSA 14-gauge (loop detector wire).



### TLPI Signal Node Mounting Location

Mount TLPI Signal Node to the inside for plastic pedestrian signal heads. Mount outside if the ped head is made of aluminum or steel.

### TLPI Signal Node Wiring Connections (Enhanced view of terminal block in front)



TLPI Node Connections 12 VDC

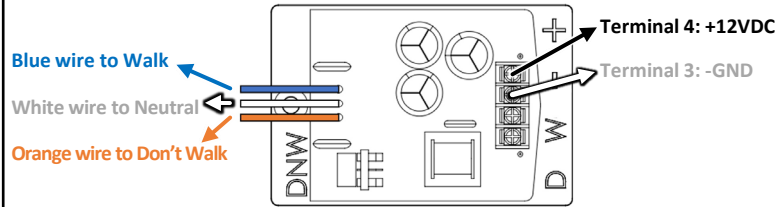


## Turning Lane Pedestrian Indicator (TLPI) Sign Driver Quick Wiring Guide

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

**WARNING: 120 VAC inputs**

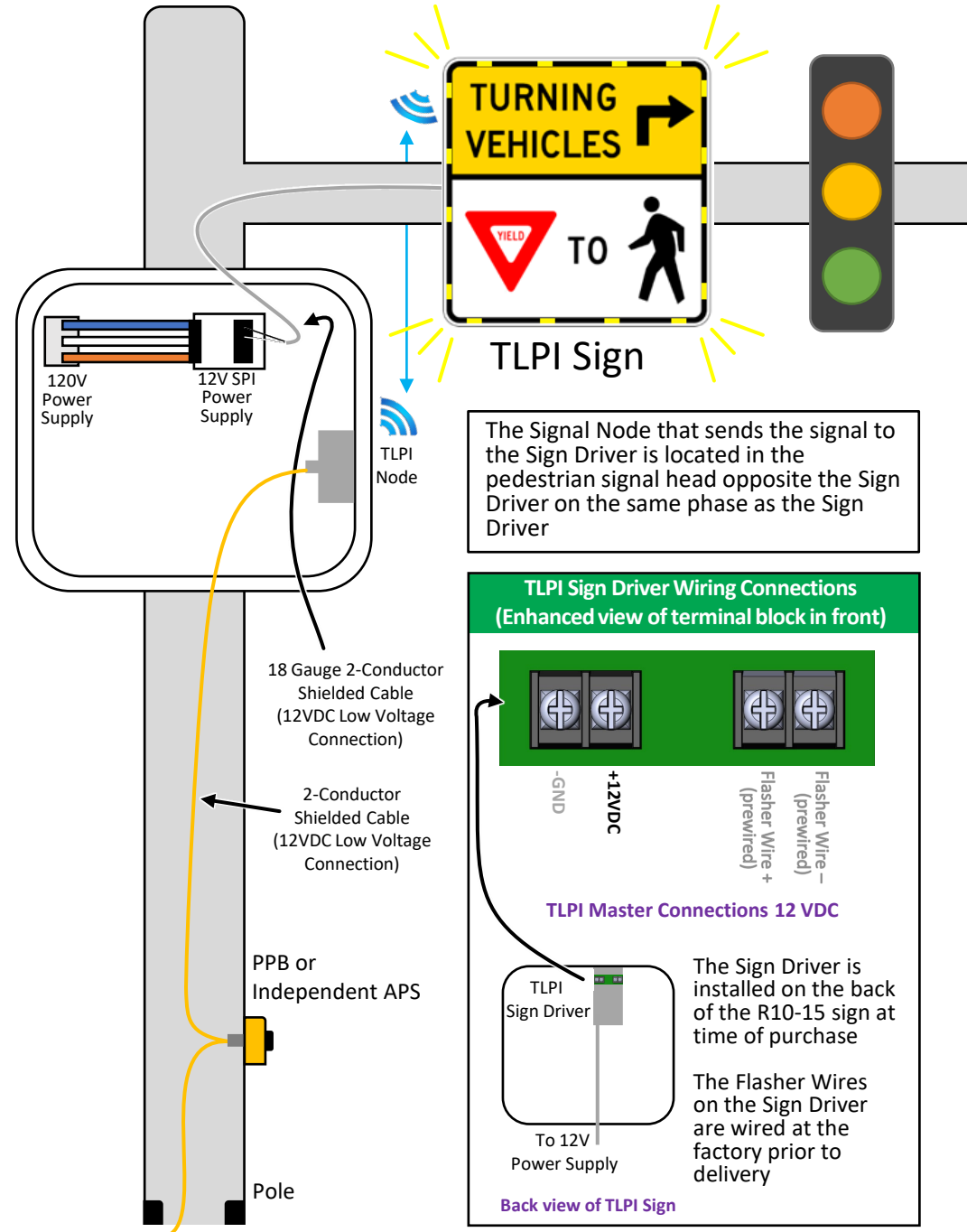
12 VDC outputs



**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.

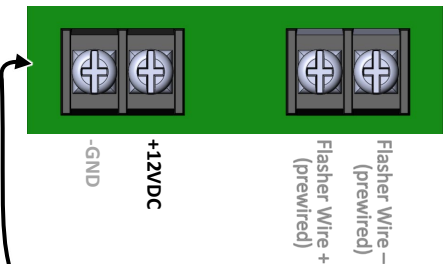
### Solar Applications

- Solar can be used to power the Sign Driver on the R10-15
- The solar application must be able to provide 12V to the Sign Driver

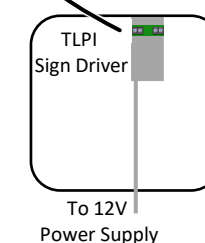


The Signal Node that sends the signal to the Sign Driver is located in the pedestrian signal head opposite the Sign Driver on the same phase as the Sign Driver

### TLPI Sign Driver Wiring Connections (Enhanced view of terminal block in front)



### TLPI Master Connections 12 VDC



The Sign Driver is installed on the back of the R10-15 sign at time of purchase

The Flasher Wires on the Sign Driver are wired at the factory prior to delivery

### Back view of TLPI Sign