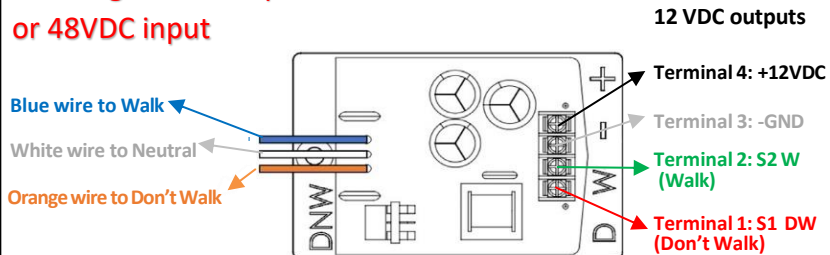# PedSafety

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

12 VDC outputs

Blue wire to Walk → **Terminal 4: +12VDC**

White wire to Neutral → Terminal 3: -GND

Orange wire to Don't Walk → **Terminal 2: S2 W (Walk)**
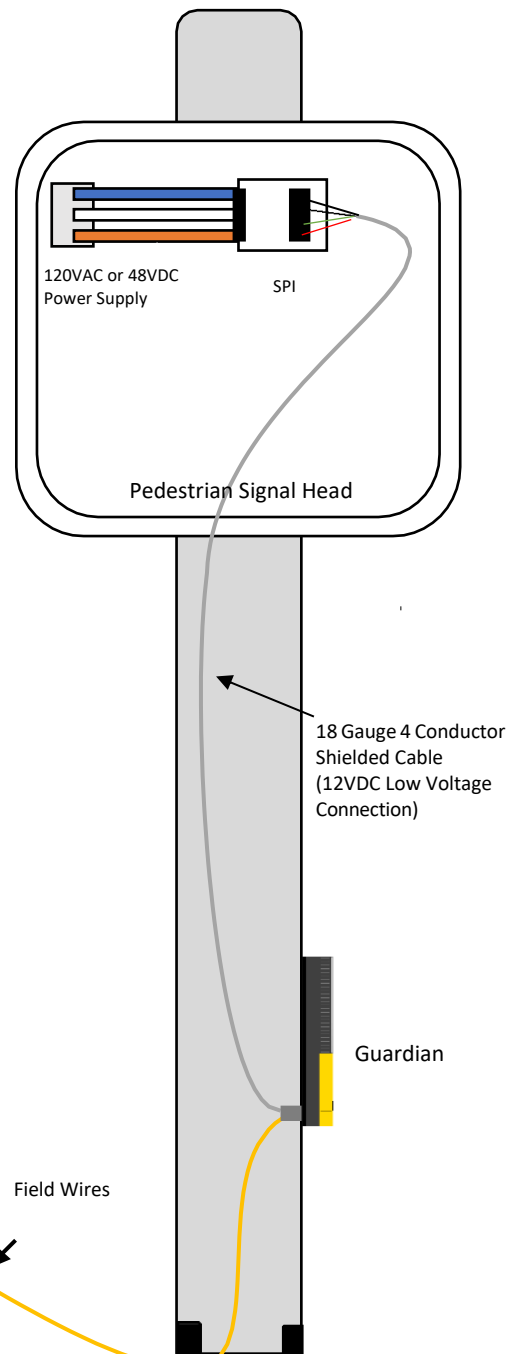
Terminal 1: S1 DW (Don't Walk)

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).
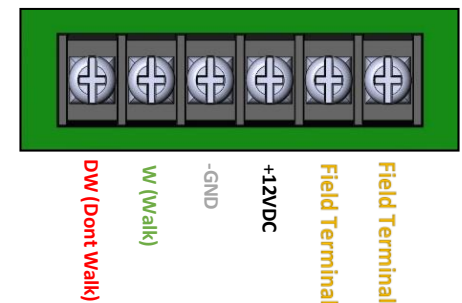
Field Wires

120VAC or 48VDC Power Supply

SPI

Pedestrian Signal Head

18 Gauge 4 Conductor Shielded Cable (12VDC Low Voltage Connection)

Guardian

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

PUSH BUTTON FOR

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

DW (Dont Walk) | W (Walk) | -GND | +12VDC | Field Terminal | Field Terminal

Guardian Connections 12 VDC

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Tech Support: (208) 345-7459, option 2