

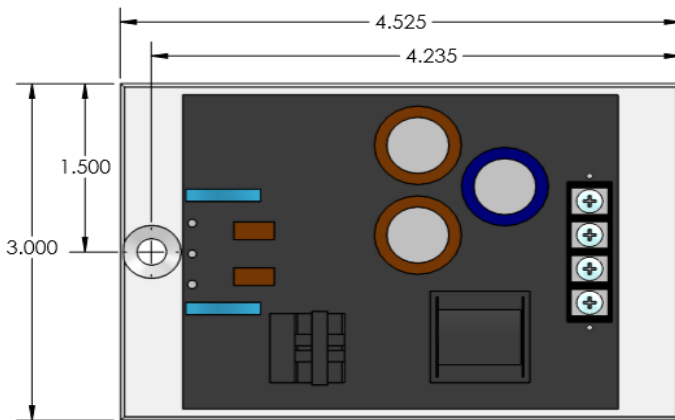


Signal Power Interface 5.0

The Signal Power interface (SPI) is mounted in the pedestrian signal head to convert the 120 VAC WALK and DON'T WALK to low voltage DC Signals and DC power. Terminal screws include washers (clamping plates) intended for bare wire.

120VAC Inputs

Wk_IN
Neutral
DW_IN



12 VDC Outputs

Terminal 4: + 12 VDC

Terminal 3: - GND

Terminal 2: S2 Walk

Terminal 1: S1 DW



Please specify part number:

SPI (Used with a single Guardian, Wireless APB, Beacon or BBU)	501-0300
SPI XC (Required if pairing a Guardian or Wireless APB with a Beacon or BBU)	501-0301

INPUT CONNECTIONS:

89 – 134 VAC fused and surge protected Walk, Don't Walk, and AC Neutral inputs connect to Pedestrian Signal Head wiring.

OUTPUT CONNECTIONS:

Four wires - Power (+12VDC), - GND, S2 Walk, S1 Don't Walk, connect from the SPI to a Guardian station terminal block. One SPI can operate one push button station. The SPI features redundant hardware and firmware safety interlocks to ensure safe operations in all situations.

Hardware is included with the SPI to provide easy mounting inside most types of pedestrian Signal heads.

The SPI features extensive transient protection and comes encapsulated in a UL94-V0 listed flame retardant polyurethane for environmental protection.

The SPI functions with the Guardian/Guardian Wave APS, Guardian Mini APS, Beacon/BBU, and WiAAPS/WiAAPS Wave APB.

Design Compliance

Test Type	Compliance
Temperature and Humidity	NEMA TS2
Transient Voltage Protection	NEMA TS2 IEC 61000-4-4, IEC 61000-4-5
Mechanical Shock and Vibration	NEMA TS2

Notes: Applicable sections only of reference standards