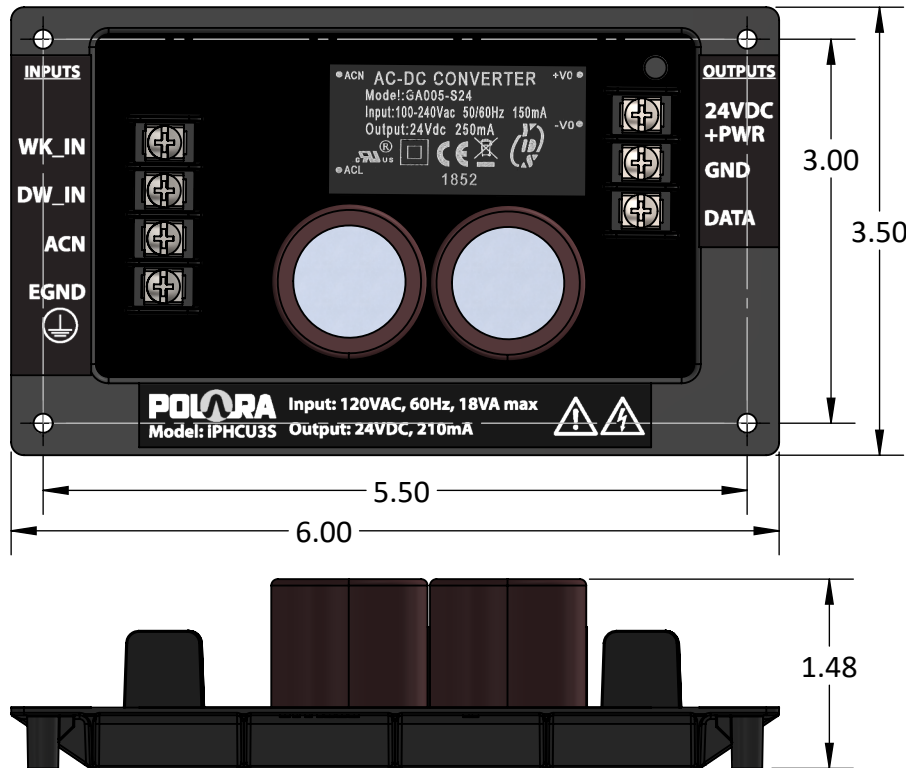




iPHCU3S: PED HEAD CONTROL UNIT FOR iNAVIGATOR 3-WIRE

Polara's iNavigator 3-Wire Push Button Stations require this control unit in the pedestrian signal head to convert the 120VAC WALK and DON'T WALK signals to isolated low voltage DC signals and DC power. Terminal screws include washers (clamping plates) intended for bare wire. Crimp terminals are not recommended.



INPUT CONNECTIONS:

120VAC at 18VA Max, Walk, Don't Walk, AC Common, and Protective Ground to the wiring inside a pedestrian signal head (ped head)

OUTPUT CONNECTIONS:

Three wires - power (+24VDC), Ground, and Data connect from the iPHCU3S to an iNS3 Push Button Station. One iPHCU3S can operate one Push Button Station. The Data signal conveys both Walk and Don't Walk information as well as incoming voltage level information. The iNS3 is able to report a fault in the event of an improper Data signal.

A hardware kit is included with the iPHCU3S which is designed to provide easy mounting inside most common types of ped heads.

The iPHCU3S has built-in surge protection and is protected from moisture. There are no adjustments or replaceable parts.

An iNS2 button will automatically function as an iNS3 button when connected to an iPHCU3S.

*The iPHCU3S replaces the iPHCU3W and is backwards compatible with the iN3 PBS.

Product Ordering Information

iPHCU3S: 3 Wire Ped Head Control Unit (Shown)

iPHCU3S-M: 3-Wire Ped Head Control Unit with Mute Input

Functionality Test Type	Compliance
Temperature and Humidity	NEMA TS2
Transient Voltage Protection	NEMA TS2
Mechanical Shock and Vibration	NEMA TS2
Electrical Reliability	NEMA TS2

Note: Lab tested to applicable sections of referenced standards

Dimensions are in inches. Polara reserves the right to change specifications without notice.