

Ocean State Signal Co.

27 Thurber Blvd • Smithfield, RI 02917
(401) 231-6780 • Fax: (401) 231-4390



SPECIFICATION SHEET

TITLE: EN4 - EZ Communicator Navigator
4-Wire Ped Head Control Unit

PART NO.:
see below

PHCU4W: PED HEAD CONTROL UNIT FOR 4 WIRE NAVIGATOR & E-NAVIGATOR (WITHOUT MUTE) PHCU4W-M: PED HEAD CONTROL UNIT FOR 4 WIRE NAVIGATOR & E-NAVIGATOR (WITH MUTE)

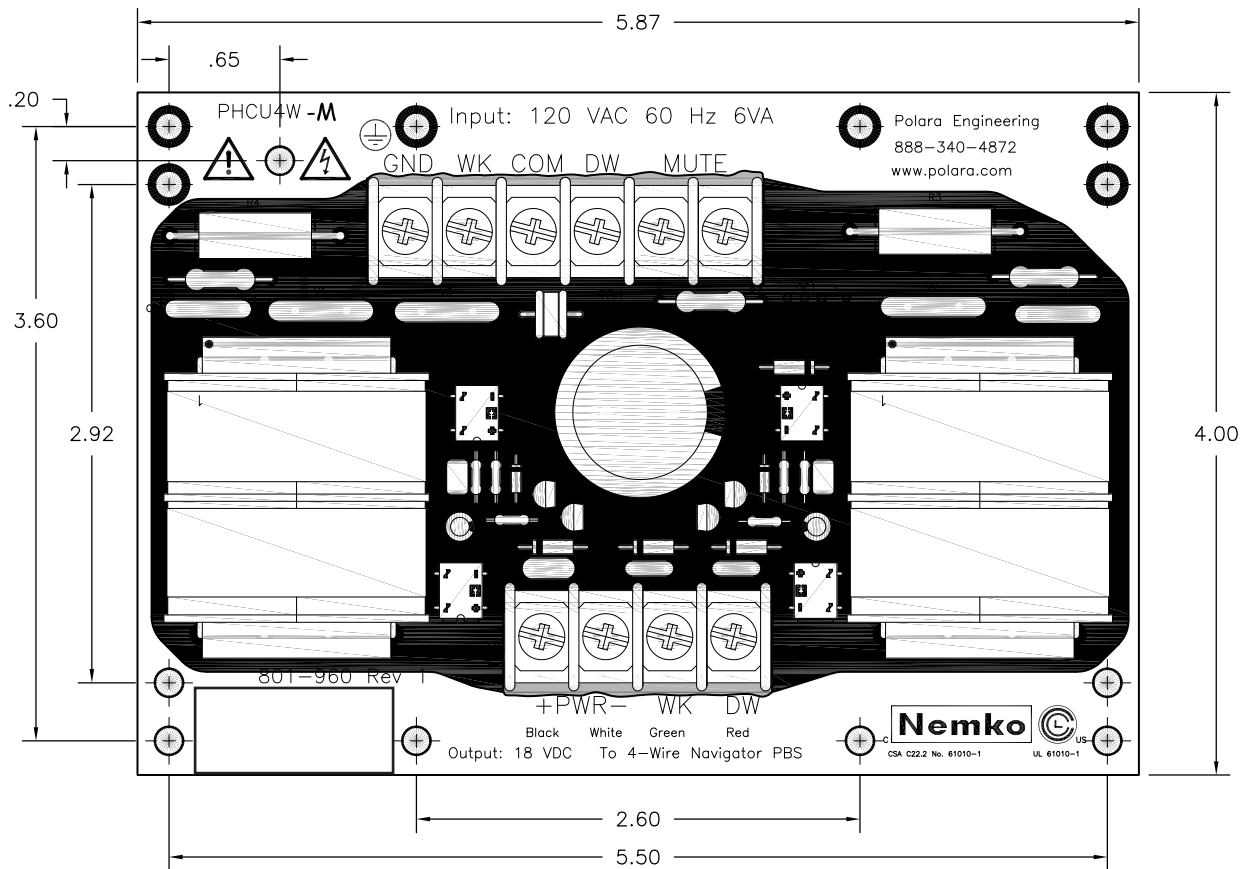
Polara's 4-Wire Navigator and 4-Wire EZ Communicator Push Button Stations require a control unit in the pedestrian signal head to convert the 120VAC WALK and DON'T WALK signals to isolated low voltage DC signals and DC power.

The PHCU4W-M has a separate set of isolated inputs (MUTE) which are used to silence all sounds from the Push Button Station.

A PHCU4W-M may be used as a direct replacement for a PHCU4W, leaving the MUTE inputs unconnected.

The PHCU4W (without Mute) does not have the terminals at the MUTE position, and is not capable of performing the Mute function.

Terminal screws include washers (clamping plates) intended for bare wire. Crimp terminals are not recommended.



INPUT CONNECTIONS:

120VAC at 6VA, Walk, Don't Walk, AC Common, and Protective Ground, to the wiring inside a pedestrian signal head (i.e. Ped Head).

For PHCU4W-M only: Electrically isolated and surge protected two terminal Normally Open relay contact inputs are used for muting the user attached 4-Wire Navigator or 4-Wire EZ Communicator Push Button Station. Closing the relay inputs will mute all sounds from the Push Button Station.

OUTPUT CONNECTIONS:

Approximately 18-20 Volts DC, Positive and Negative Power, Walk and Don't Walk, to a 4 Wire Push Button Station. Both PHCU4W versions are provided with 2 mounting brackets and hardware which allow easy mounting inside all common types of pedestrian signs. It has built in surge protection, self resetting fuses and is epoxy coated for moisture protection. There are no settings or adjustments.

| Test Type | Compliance |
|--------------------------------|--------------------------------|
| Temperature and Humidity | NEMA TS 2 |
| Transient Voltage Protection | NEMA TS 2 |
| Transient Suppression | IEC 61000-4-4, IEC 6100-4-5 |
| Electronic Noise | FCC Title 47, Part 15, Class A |
| Mechanical Shock and Vibration | NEMA TS 2 |
| Electrical Reliability | NEMA TS 4 |