



# USER MANUAL

## SPPOS INSTALLATION INSTRUCTIONS

### Product Description

- The DCI Single Position Power Optic System (SPPOS) PN 8313 is designed to provide power for a handpiece light source. The system is designed to be installed into a dental unit to provide a clean, aesthetic visual appearance. For this reason, it is highly recommended that a qualified service technician be consulted for proper installation of the product.
- The new DCI SPPOS has a voltage requirement of 7.5 – 9 V AC/DC, 1.2A and has an output range of 2.5 – 4.2 VDC. DCI recommends using transformer #9358.

### Installation

- Handpiece light source tubings are available in various styles and colors to be compatible with dental unit colors and desired handpiece connections. If the unit doesn't already have a handpiece light source tubing, replace the entire existing handpiece tubing with one that is compatible with the particular handpiece being used. Install a 1/8 x 1/8 x 1/16 plastic tee and air sensing tube assembly into the drive-air line of the appropriate handpiece position not more than 12" from the desired location of the SPPOS. See Fig. 1.

- Attach the transformer wires and the handpiece tubing wires to the SPPOS terminals as shown in Fig. 2.
- Plug the wall transformer into an appropriately rated outlet.

### Operation

- The new DCI SPPOS has a voltage adjustment feature. This feature allows the user to set the necessary output voltage based on the handpiece manufacturer requirements. Use a #2 slotted precision screwdriver to adjust the SPPOS output voltage by accessing the adjustment potentiometer, and turning clockwise to increase or counterclockwise to decrease the output voltage. Output voltage is measured at the terminals labeled "OUT". See Fig. 2.

**Note:** If measuring voltage from the set screw, ensure screws are fully tightened for correct voltage reading.

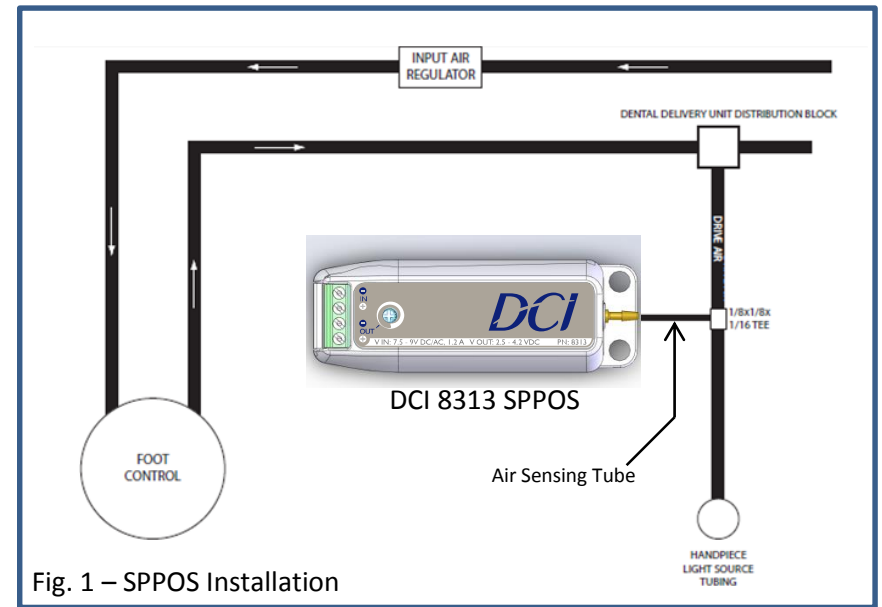


Fig. 1 – SPPOS Installation

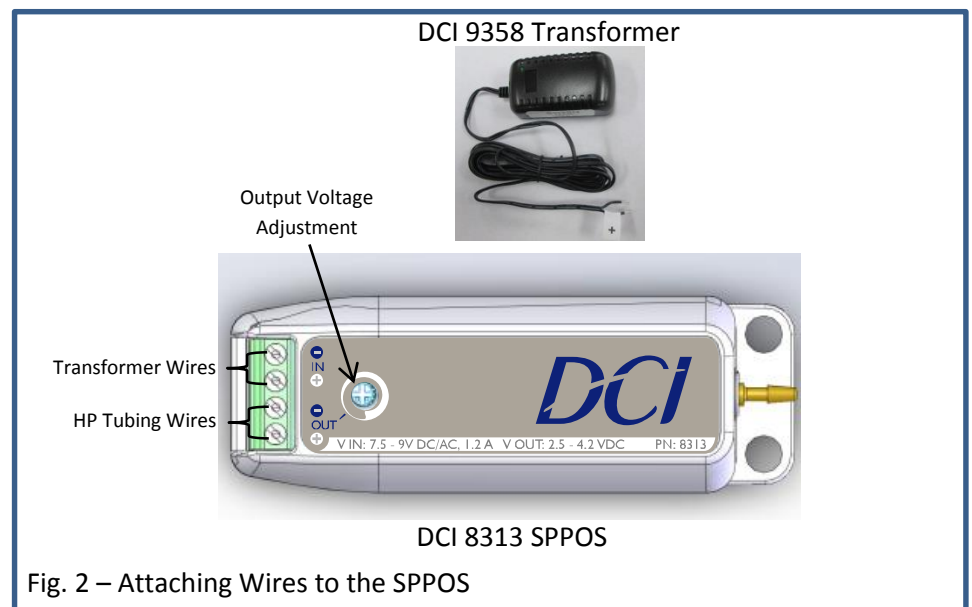


Fig. 2 – Attaching Wires to the SPPOS