



Installation Instructions (029-04840-0000)

April 2017

## 200W AC Power Kit

**REVISION BLOCK**

<b>REV.</b>	<b>DESCRIPTION</b>	<b>DATE</b>	<b>APPROVED</b>
A	Original Release	4/27/2017	

**NOTICE: Because of TraffiCalm’s commitment to continuous improvement the content of these documents and product specifications may change without notice. Please contact your partner or TraffiCalm Technical service to check for updates before planning your installation.**

**Note:** These instructions are in addition to the instructions found in the LED Driver Feed Back Installation Instructions. Please refer to those instructions for display installation and appropriate cautions and warnings.



*Figure 1 - Parts included for connecting the power supply.*

## **I. 200W AC Power Kit Parts**

The power supply system consists of a 12 VDC 200W power supply and 5 feet of 3/8" conduit. There is a liquid tight conduit adapter attached to the power supply 12 VDC output end with the 12V wiring installed and a liquid tight conduit adapter connected to one end of the 3/8" conduit.

## **II. INSTALLING THE AC POWER SUPPLY TO THE DFB SIGN**

To install the 12 VDC output, remove the conduit adapter nut and slide it over the conduit. Pull the red and black wires from the power supply through the conduit and through the conduit adapter that is attached to the conduit. Push the conduit into the conduit adapter and tighten down the adapter nut to secure the conduit.

Run the conduit to the back of the Driver Feedback (DFB) sign. On the back panel of the DFB sign, remove the 4 screws holding the black back panel and carefully remove the panel. Remove the black nut from the conduit adapter and pull the wires through the conduit opening on the panel. Insert the conduit adapter into the panel and install the nut and tighten. Insert the red wire

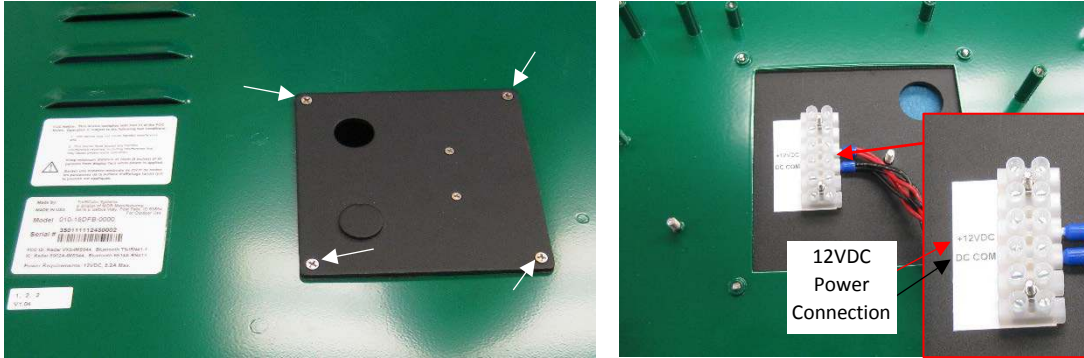


Figure 2 - Back cover plate and 12V power connection

into the +12VDC connector on the header and tighten the screw. Insert the black wire into the DC COM connector on the header and tighten the screw. Coil any excess wire into the back of the sign and reinstall the back panel.

**MAKE SURE THE AC POWER IS SHUT OFF BEFORE CONNECTED THE AC INPUT TO THE POWER SUPPLY. THE AC CONNECTION SHOULD BE MADE BY A QUALIFIED TECHNICIAN.**

It is recommended to use a liquid tight conduit adapter and conduit when attaching the power supply to AC power (not included). The AC input can be connected to 100-277 VAC at 50/60 Hz. On the power supply, the green wire is ground, the white wire is neutral and the black wire is line (hot). The front panel of the power supply must be removed for AC installation.



Figure 3 - AC Connection