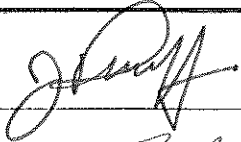

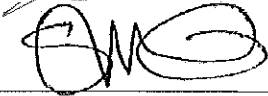


Field Service Replacement Procedure – 75W, 24VDC Power Supply Kit

Approval:

Approving Authority	Signature	Date
Doc Control:	Ron Chaffee / Signature on file. 	5-22-11
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Revision History

Rev.	ECO	Description of Change	Date
A	9629	Initial release	03-16-2012

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Field Service Procedure – Replacement 75W, 24VDC Power Supply Kit

1. Brief Summary:

Troubleshooting document for diagnosing a fault with and replacing the 75W, 24VDC power supply unit.


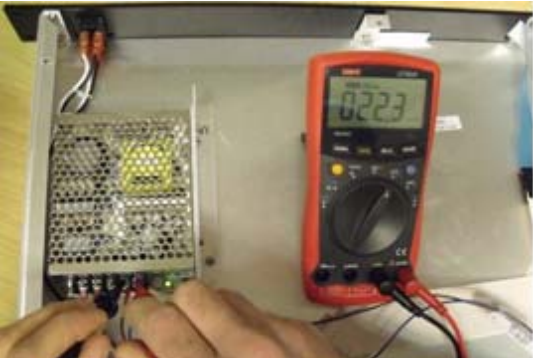
2. Checklist:

- Verify AC Voltage is present entering the power supply
- Verify DC Voltage is present exiting the power supply

3. Theory of Operation:

The 75W power supply is switch mode and will convert either 110VAC or 220VAC into 24VDC to power the MXP control unit.

4. Troubleshooting:

<p>1. Measure the input voltage into the power supply on the connectors for the black (-) and white (+) cables on the left of the connection block, 110 - 240 volts AC should be present. If no AC voltage is present verify the unit is switched on. If there is still no voltage present troubleshoot the source.</p>	
<p>2. Now measure the output voltage from the power supply on the connectors for the red (+) and black (-) cables on the right of the connection block, the output should be 24VDC.</p>	

If the units AC input has been verified and the 24VDC is not present, the power supply is defective and needs to be replaced. If the power supply is outputting the 24VDC consistently then the power supply is operational and the problem lies elsewhere (possible failure with the MXP motherboard or harness connection).

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Field Service Procedure – Replacement 75W, 24VDC Power Supply Kit

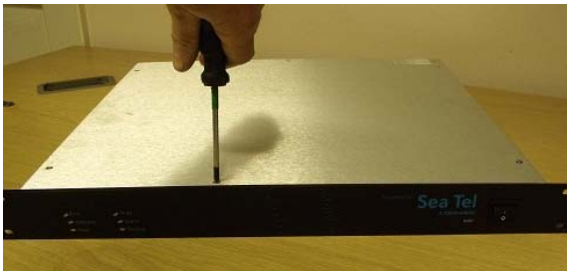


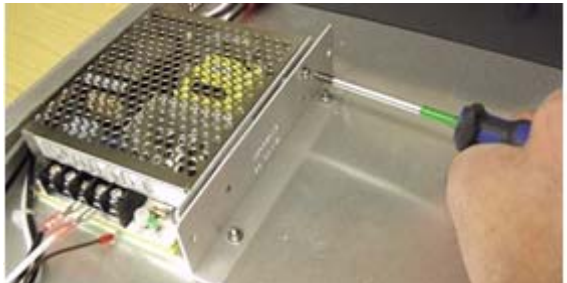
5. Replacing the 75W, 24VDC Power Supply:

5.1. Tools.

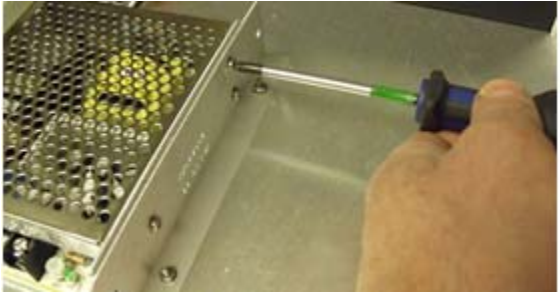


- #1 Phillips Screwdriver
- Loctite 242

5.2. Procedure.

Procedure for replacing the 75W power supply, Sea Tel kit part number: 136739 (75W power supply part number: 133729-5).

<p>*Caution: Disconnect the power cable from the MXP before following this procedure.</p> <p>1. Remove the 6 screws securing the MXP lid using a #1 Phillips screwdriver. Save the hardware for future use.</p>	
<p>2. Disconnect the AC and DC power cables from the terminals on the power supply using a #1 Phillips screwdriver.</p>	
<p>3. Remove the 2 counter sunk screws securing the power supply to the MXP enclosure using a #1 Phillips screwdriver. Save the hardware for future use.</p>	
<p>4. Remove the 3 screws securing the power supply to its mounting bracket using a #1 Phillips screwdriver. Save the hardware for future use.</p>	

Field Service Procedure – Replacement 75W, 24VDC Power Supply Kit

<p>5. Install the replacement power supply using the hardware removed in step 4, apply Loctite 242 to the threads.</p>	
<p>6. Apply Loctite 242 to the threads of the hardware removed in step 3 and reinstall the counter sunk screws to secure the power supply to the base of the MXP enclosure.</p>	
<p>7. Connect the AC and DC power cables to the replacement power supply in the configuration shown on the right using a #1 Phillips screwdriver.</p>	
<p>8. Reinstall the MXP lid using the 6 screws removed in step 1, applying Loctite 242 to the threads.</p>	