



 **NETCOM[®] MODEL ADH**
AUTOMATIC AIR DEHYDRATOR WITH ETHERNET

ADH NETCOM AUTOMATIC AIR DEHYDRATOR AC POWER SUPPLY MODULE REPLACEMENT PROCEDURE

Replacement Kit Part Number 24094
Document Part Number 24106



Lethal Voltages Present

Lethal voltages are present inside the ADH NETCOM. Service should be performed by qualified personnel only. There are no user serviceable components inside the chassis.



Abnormal Odor or Smoke

In the event of smoke or a burning or abnormal odor, immediately interrupt power to the ADH NETCOM with the POWER switch at the rear of the unit, unplug the unit, or turn off the circuit breaker controlling the outlet. Note that only the AC model of the ADH NETCOM has an ON / OFF switch.



Pneumatics

Each of the air pumps inside the ADH NETCOM automatic air dehydrator is capable of generating as much as 24 psig (1,655mbar). Other attached dry air sources may be capable of generating even higher pressures. Proper safety practice requires treating all pneumatic components with care. Always vent the system to atmospheric pressure before servicing pneumatic components.



Rack Mounting

Before and after rack mounting the ADH NETCOM, ensure that the rack is stable. Mounting of the ADH NETCOM into a rack should be such that a hazardous condition is not created due to uneven mechanical loading. Verify that adequate air flow and power source capacity is available to the unit. Ensure that the ADH NETCOM maximum operating temperature of 130°F (55°C) will not be compromised by other components in the rack. Ensure reliable earthing of the ADH NETCOM.

ADH NETCOM HUMIDITY SENSOR ASSEMBLY REPLACEMENT PROCEDURE

This procedure addresses the removal and replacement of the AC Power Supply Module in an ADH NETCOM Automatic Air Dehydrator with AC Power. It is recommended to read the entire procedure prior to beginning work.

INVENTORY LIST

Identify the following items in this kit prior to beginning work.

QTY.	PART NO.	DESCRIPTION
1	23450	AC Power Supply Module
1	24106	Instruction Manual (this document)

TOOLS REQUIRED

The following tools are needed to perform this procedure:

- Needle nose pliers
- 5/16" Nut driver
- Philips screwdriver

AC POWER SUPPLY MODULE REMOVAL AND REPLACEMENT

To replace the AC Power Supply Module (23450) in an ADH NETCOM with AC power, perform the steps below. Refer to Figure 1.

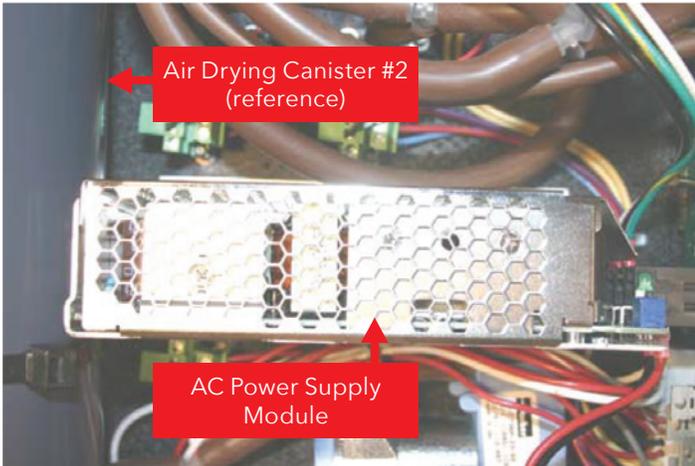


Figure 1. THE ADH NETCOM AUTOMATIC AIR DEHYDRATOR AC POWER SUPPLY MODULE.

1. Shut off machine power by placing power switch in the OFF (O) position. With the power switch in the off position, unplug the power cord. If possible, move the dehydrator to a work table.
2. Remove both top machine panels. Retain the mounting hardware.
3. Disconnect the two wires (red and black) running from the AC power supply module to the terminal block on the PC board. Refer to Figure 2. Using a small screwdriver, press in on the orange release tab under the lead then gently remove the lead. Repeat for the other lead.



Figure 2. THE PC BOARD TERMINAL BLOCK.

4. Using a needle nose pliers, carefully disconnect the three leads (white, black, and green/yellow) running from the AC power supply module to the back of the power filter module. Refer to Figure 3. To avoid damaging the leads, hold the leads by the spade lugs, not by the wires.

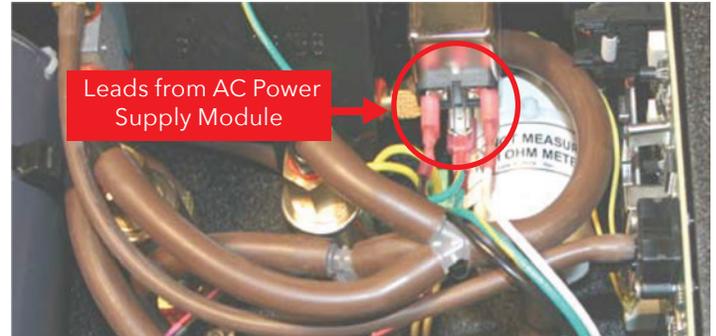


Figure 3. THE POWER FILTER MODULE TERMINALS.

5. Using the 5/16" nut driver, loosen and remove the two nuts and lock washers securing the existing AC power supply module to the chassis. Refer to Figure 4. Retain the mounting hardware.
6. Once all five AC power supply module leads have been disconnected and the mounting hardware removed, take the existing AC power supply module out of the dehydrator.
7. Install the new AC power supply module in the same place from which the original module was removed. Secure the module in place using the two nuts and lock washers removed in step 5. Torque to 5.5 in/lb.
8. Install the set of three leads (white, black, yellow/green) to the terminals from which the original leads were disconnected on the back of the power filter module in step 4. Connect them as the similar colored leads had been connected originally: the black lead on the left, the white lead on the right, and the yellow/ green lead in the middle.
9. Connect the set of two leads (red and black) to the same PC board terminal block locations from which the original leads were disconnected in step 3. Connect them as the similar colored leads had been connected originally: the black lead on the left and the red lead on the right.
10. Reinstall the machine top panels using the hardware removed in step 2.
11. Restore machine power.

CONTACTING CUSTOMER SERVICE

For technical help, questions or comments concerning this product or any ETI product contact Customer Service 8:00 a.m. - 5:00 p.m. Eastern Time.

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South Bend, IN 46628

LIMITED WARRANTY

ETI's two year limited warranty covering defects in workmanship and materials applies. Contact Customer Service for complete warranty information.

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