

QUICK-REFERENCE INSTALLATION GUIDE



NETCOM[®] MODEL ADH NEMA

AUTOMATIC AIR DEHYDRATOR WITH AC POWER SUPPLY

QTY.	PART NO.	DESCRIPTION
1	23483	ADH NETCOM NEMA Automatic Air Dehydrator AC Power Supply
1	24303	Documentation CD ROM, ADH NETCOM and ASM-1 Smart Manifold
1	23481	ADH NETCOM NEMA Installation Sheet (this document)
1	18198	1/8" NPT to 1/4" Barbed Brass Fitting
1	23428	1/8" NPT to 3/8" Barbed Brass Fitting
1	23571	Exhaust Muffler, 1/8" NPT, Bronze

CONNECTIONS

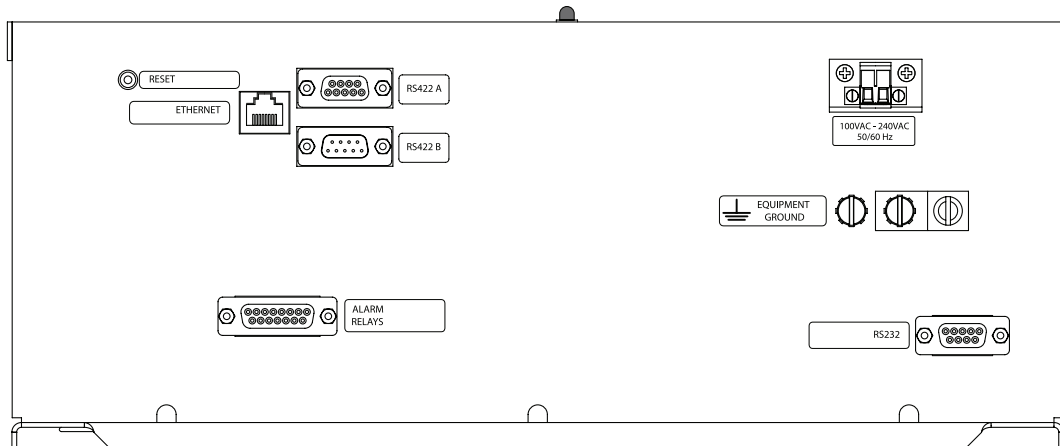
1. Connect feed hose to 1/8" NPT outlet using 1/4" or 3/8" barbed fitting supplied.
2. Connect required data and alarm relay ports. RS-422 and RS-232 ports may require configuration changes via the web interface. See Instruction Manual for more information.
3. Connect AC power. System can be connected to 100 VAC - 240 VAC power without requiring any configuration change.

Note: Unit does not have power switch. When power is applied, the system will start.

NOTE:

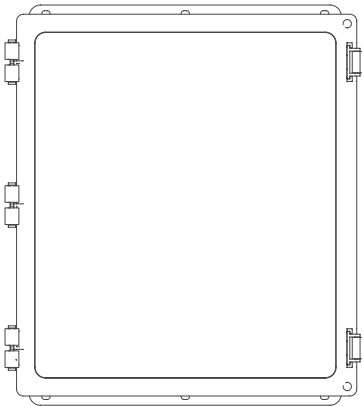
NOTE: The ADH NETCOM NEMA Automatic Dehydrator with AC Power is permanently connected equipment and does not have an internal disconnect device. A readily accessible disconnect device, short circuit, and current protection shall be provided and are not supplied by ETI. When power is applied, the system will start.

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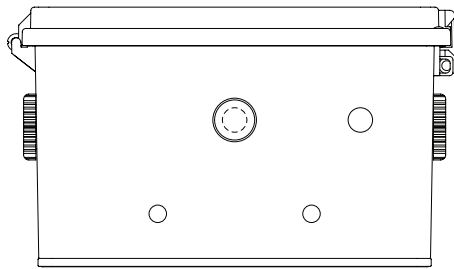
MOUNTING ORIENTATION

Select a suitable mounting area, 19"L x 16"W x 10"H (483mm L x 407mm W x 254mm H). Ensure the mounting surface and hardware are suitable to support a static load of approximately four times the weight of the unit, or 100 pounds (45 kg). Use four appropriate 5/16" mounting hardware to fasten the unit and ensure stable mounting. The NEMA 4X enclosure shall be mounted in an orientation with hinges to the left, hinges to the top, or the enclosure mounted feet down.



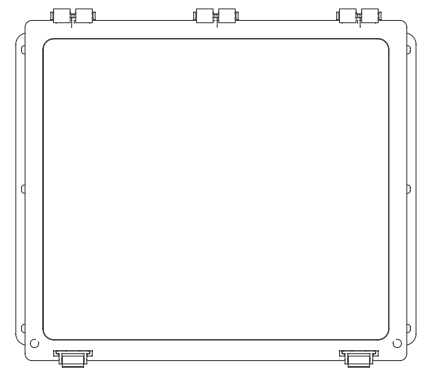
VERTICAL MOUNTING (preferred)

The ADH NETCOM NEMA preferred orientation for installation is mounted upright so that the door opens to the left.



SHELF MOUNTING

Optionally, the ADH NETCOM NEMA may be shelf mounted flat so that the door opens up.



HORIZONTAL MOUNTING

Optionally, the ADH NETCOM NEMA may be mounted horizontally so that the door opens up. This is the least preferred method and may result in reduced performance.

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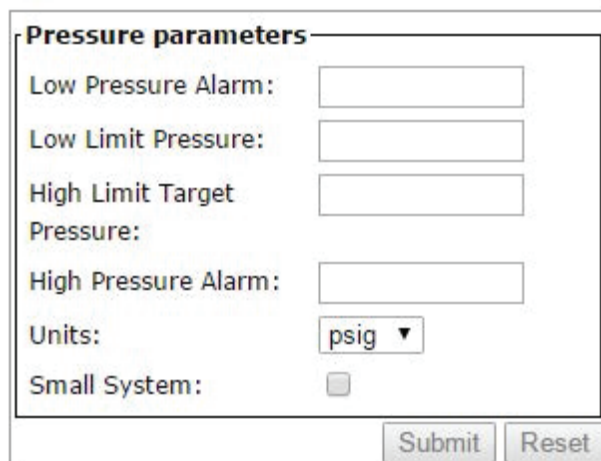
COMMUNICATING WITH THE DEHYDRATOR

Note: Your Information Technology Department is the best source of information if you encounter problems or difficulties in connecting to or communicating with the dehydrator. The ADH NETCOM Ethernet communications run at 10Base-T and half duplex. It is recommended that the network interface to the ADH NETCOM is manually set to these parameters and NOT to an auto-configure mode.

1. Temporarily assign computer an IP address in the 192.168.52.0 network range, typically 192.168.52.1, with the subnet 255.255.255.0
2. Connect the dehydrator to your computer either directly or through a network. For direct connections a cross-over cable or switch may be required for connecting to an older computer; an Ethernet patch cable will work in most other cases.
3. Open a web browser and connect to web interface at HTTP: //192.168.52.9

CONFIGURING IP ADDRESS

1. Go to Configuration page
2. If using a fixed IP address, select "Use the following IP address:" Then set the IP address, mask and gateway.
3. If using DHCP, select "Obtain IP address automatically."
4. Click Submit. You should see a message that the dehydrator is rebooting.



The screenshot shows a web interface titled "Pressure parameters". It contains several input fields: "Low Pressure Alarm:", "Low Limit Pressure:", "High Limit Target Pressure:", and "High Pressure Alarm:". Below these is a "Units:" dropdown menu currently set to "psig" and a "Small System:" checkbox which is unchecked. At the bottom right of the form are "Submit" and "Reset" buttons.

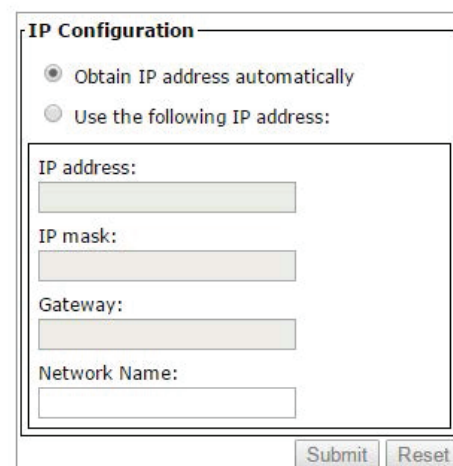
FIGURE 5. Configuration Module

NOTE:

After changing the IP address of your dehydrator to a network other than the default 192.168.52.0 you will not be able to access the dehydrator from the configuring computer unless that computer is reconfigured for the newly assigned network address.

CONFIGURING PRESSURE

1. Using a web browser, connect to the dehydrator. Go to the Configuration page
2. Using the Units pull-down select English (PSI) or SI (mbar).
3. To change the operational pressure setting enter the following:
 - **Low Alarm** - The pressure at which Low Pressure will cause an alarm condition.
 - **Low Limit** - The low set point at which the unit will start pumping.
 - **High Limit** - The high set point at which the unit will stop pumping.
 - **High Alarm** - The pressure at which High Pressure will cause an alarm condition.
4. Click submit.



The screenshot shows a web interface titled "IP Configuration". It has two radio button options: "Obtain IP address automatically" (which is selected) and "Use the following IP address:". Below these are input fields for "IP address:", "IP mask:", "Gateway:", and "Network Name:". At the bottom right of the form are "Submit" and "Reset" buttons.

FIGURE 6. IP Pressure Parameters Module

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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. EST.

Email: info@networketi.com

Web: networketi.com

Mail: ETI
1850 North Sheridan Street
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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