

## 2400 & 3200 PM Dehydrator Quick Start Guide



Congratulations on purchasing your new Dielectric PM (pole mount) dehydrator. This quick start guide will detail the necessary steps to get your dehydrator quickly setup and working in your system.

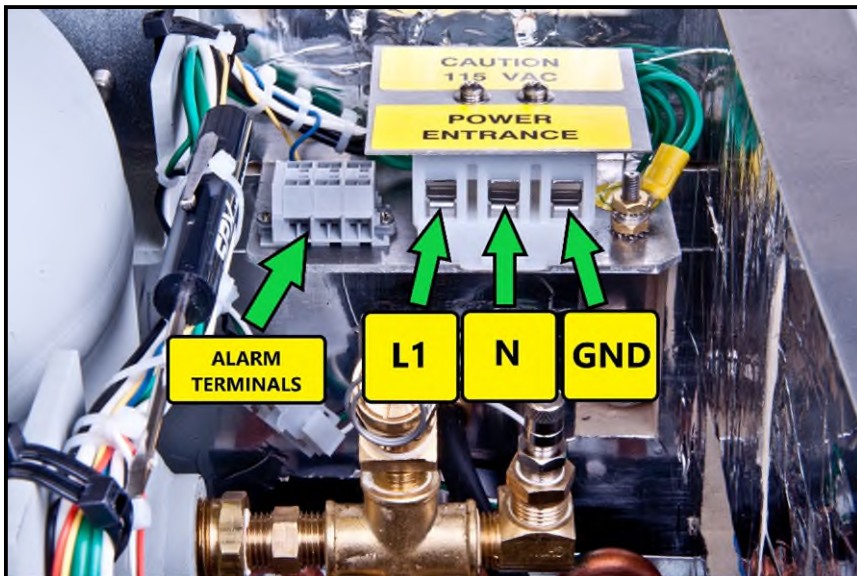
Please refer to the complete user manual for further detail on each section of the guide and all safety warning information. Instruction booklet, IB-352, is available on our website or by using the included QR code.

### Site Requirements:

115 VAC 20A dedicated electrical circuit with a means of disconnect. The dehydrator is not supplied with a power cord and is meant to be hard wired.

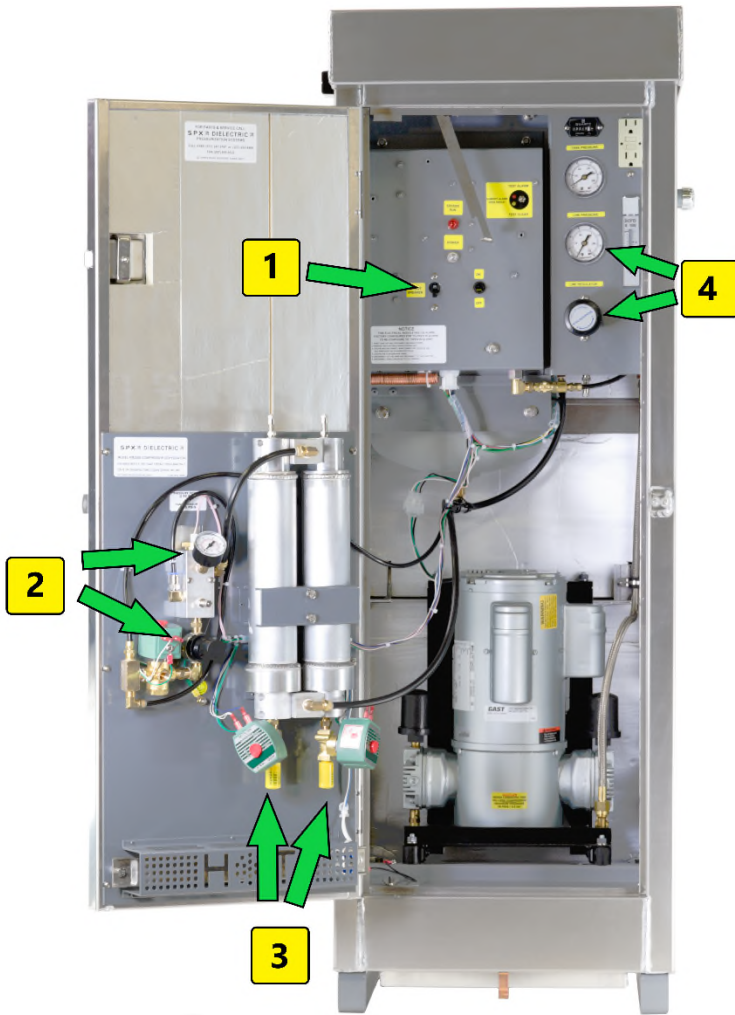
The dehydrator dry air outlet has a standard 1/4" female NPT threaded bulkhead fitting and included is a 1/4" male NPT x 3/8" compression tube fitting for connecting into standard 3/8" poly tube.

The dehydrator may be mounted to a pole, on a wall or on the ground. When mounting the dehydrator to a pole, a separate pole bracket (pictured), part number 98304, must be ordered separately.



The right side of the dehydrator is equipped with conduit connectors for both the incoming power and alarms. Use the larger of the two connectors for the power.

Wire the incoming power to the terminal block located in the top right hand corner of the dehydrator.



1) Turn on the compressor circuit breaker and the on/off power switch.

2) After a 5 second delay the compressor will start running. Observe the backpressure gauge on the door to verify the correct dryer pressure setting. (50-55 PSI for 3200 models / 60-65 PSI for 2400 models.) If required, adjust accordingly using the backpressure regulator directly below.

3) While the compressor is actively running observe proper dryer purge valve operation by listening for a quick blast of air from the mufflers alternating every 30 seconds. NOTE: The humidity alarm will normally be active and air exhausting from the humidity bypass valve on the door during the initial startup and will generally clear within the first hour of operation. The excessive run alarm may illuminate during this time and is considered normal.

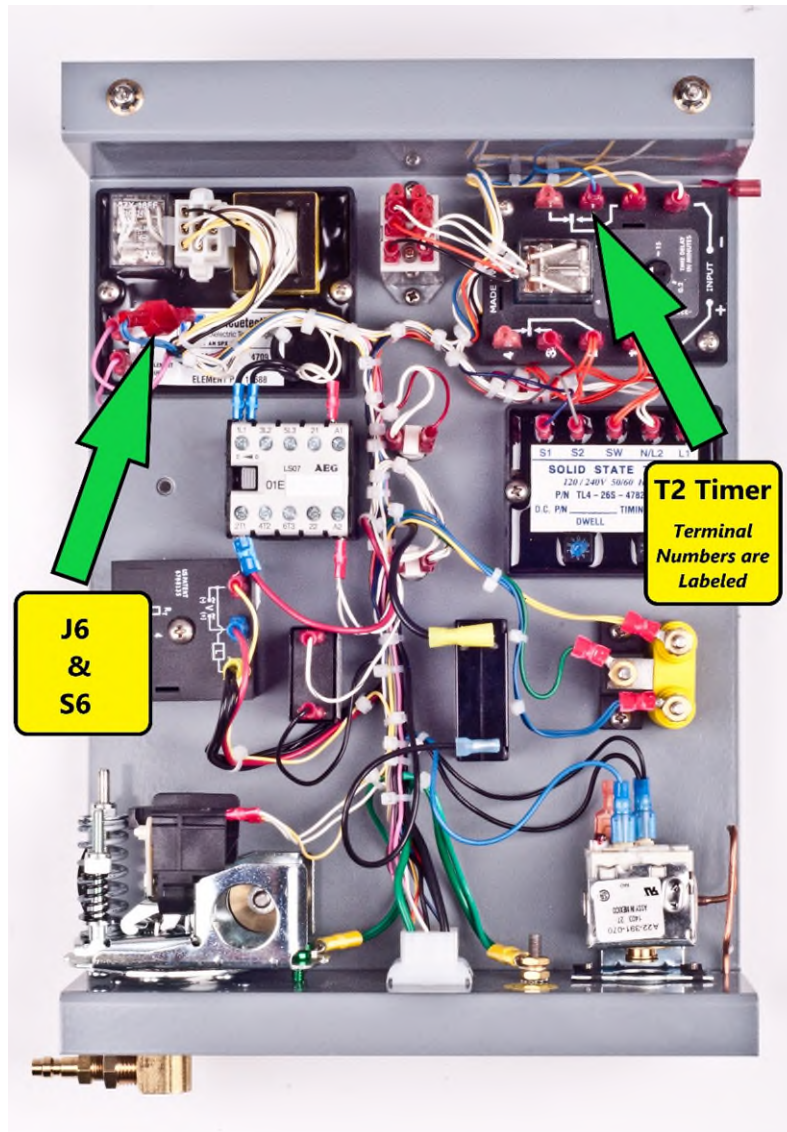
4) After the dryer has sufficient runtime to clear the initial humidity alarm the humidity bypass valve will close and the unit will begin to fill the tank with dry air. Provided no dry air is leaving the outlet on the rear of the unit, the tank pressure should rise, and the unit will stop running once the OFF pressure setpoint is reached in the tank. (50 PSI for 3200 models, 60 PSI for 2400 models)

Once the dehydrator has filled the tank and shut off, proceed to adjust the output line pressure using the line pressure regulator inside the unit. The regulator normally ships turned all the way down and the knob locked in place with a locknut on the threaded knob shaft. Loosen the locknut and turn the adjustment knob accordingly.

Turning the knob clockwise will raise the line pressure, counter-clockwise will lower the pressure.

The dehydrator has a single set of dry contact alarm outputs to monitor all critical functions. The electrical module comes factory set for “closed in alarm” configuration. If “open in alarm” output is required, use the following steps to change the alarm configuration.

1. Turn off/disconnect incoming power.
2. Remove the electrical module from the dehydrator.
3. Locate and unplug the black and blue wires connected together with the J6/S6 connectors and leave wires disconnected.
4. On the T2 excessive run timer, disconnect the yellow wire on terminal #7. Connect the loose white/yellow wire onto the #7 terminal where the yellow wire was previously connected.
5. On the T2 excessive run timer, Remove the blank wire terminal from #5 and move the blue wire from terminal #6 to terminal #5. Reinstall the blank wire terminal onto #6 where the blue wire was previously.



Performing preventive maintenance on the dehydrator is the best way to ensure reliable service life with minimal downtime. Outlined below are the recommended replacement parts and the recommended service intervals.

<b>Model 2400 &amp; 3200 PM</b>			
<b>Maintenance Items / Spares List - CALL 1-877-247-3797</b>			
<b>Part Number</b>	<b>Spare Part Description</b>	<b>Quantity Required</b>	
		<b>Per Unit</b>	<b>Maintenance Interval</b>
0021990001	Compressor Intake Filter Felts	2	6 - Month
0027406501	Air Compressor-Repair Kit	1	12 - Month
0028175002	Cabinet Filter (PM ONLY)	1	12 - Month
0022646001	Dry-Pak Purge Mufflers	2	24 - Month
0020523012	Backpressure Regulator Diaphragm	1	24 - Month
0024815022	Purge Solenoid Valve Repair Kit	2	24 - Month
0024815021	Bypass Solenoid Valve Repair Kit	1	24 - Month
15688	Humidity Sensor	1	24 - Month
30986	Humidity Sensor Plug	1	24 - Month
89795	Humidity Sensor Gasket	1	24 - Month