

## DEXON CANADA AIR SYSTEMS INC.

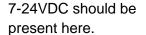
## TROUBLE SHOOTING GUIDE for SMDV2 VENT FAN

Problem	POSSIBLE CAUSE	CORRECTIVE ACTION
Vent fan not operating.	No 120VAC power to the power supply/speed controller.	Check for 120VAC at TB3 as per wiring diagram. If not present check power source and fuses etc. Ensure the power supply/speed controller is energized.
	No 7-24VDC power present at TB5 on power supply/speed controller.	Disconnect blower wires at TB5 and check again for 7-24VDC. If still none, check transformer secondary at TB2 for 24VAC. If none replace the transformer. If 24VAC is present from the transformer and still no 7-24VDC at TB5 then replace the power supply/speed controller.
	No 7-24VDC power present at terminal block inside vent fan housing.	If 7-24VDC is present at TB5 on the power supply/speed controller but not in the vent fan housing; check wiring and connections and rectify as required.
	Blower has expired or wiring terminals are corroded and/or broken.	De-energize 120VAC to power supply/speed controller; remove louver section and check that the blower spins freely, check wiring and connections pins. Replace blower as required.

If the above recommendations do not solve the problem please contact Dexon Canada Air Systems at 403-930-1284 or email techsupport@dexoncanada.com.

## POWER SUPPLY/SPEED CONTROLLER DESCRIPTION

Note: Description below is assuming the power supply/speed controller is energized.



Transformer, secondary should be approx. 25VAC at these terminals.



Transformer, primary should be 120VAC at these terminals.

120VAC power; supplied by others should be present at these terminals.

Toggle Switch used for switching between "High/Full" and "Low/Idle" speed. Will also override the "Low Temp." shut down feature in "High/Full" speed if the thermostat is wired in as per wiring diagram.

If a "Low Temp." shut down thermostat is used (supplied by others) the dry contact from a normally open thermostat should be connected here and through 1 pole of the supplied toggle switch as per attached wiring diagram. If contact from the thermostat closes, the vent fan should shut down when the blower is operating at "Low/Idle" speed. Switching the toggle switch to "High/Full" speed overrides the thermostat and puts the blower into "High/Full" speed.

## **CONTACT INFORMATION:**

 ${\bf Email:} \ \underline{{\bf techsupport@dexoncanada.com}}, \ Website: \ \underline{{\bf www.dexoncanada.com}}$ 

Tech Support Phone: 403-930-1284, Admin Phone: 403-272-0562