



## MEMO

TO: Our Valued Customers

DATE: August 1 2018

RE: Important changes to the Dexon Blower Heater Air Proving Feature

This memo is to inform you about an important upcoming change to the Dexon MDH and SMDH/IMDH/WMDH/OWMDH Series Blower Heaters. We will be replacing the current air flow sensors as a means for detecting ventilation failure with a proof of fan rotation using a Dexon TachOP PCB.

In the past we've incorporated an airflow sensor in the airstream to detect significant reduction in air flow. These airflow sensors are often operating at a very low airflow and in a very harsh environment requiring their constant cleaning and maintenance. Unfortunately that is not always possible and since they are extremely sensitive it doesn't take much to accumulate enough debris on the sensors to send erroneous "No Air" signals to the Status Board. As part of our safety requirements if the Status Board receives a "No Air" signal it can temporarily shut down the blower heater in cold temperatures. When the Optional Alarm Module is used to interface with external alarms or PLC etc. this can become a real nuisance. We believe the best way to address this problem was to completely remove air proving devices from the airstream where they are constantly subjected to corrosion, moisture and debris.

In order to continue providing a "means of detecting ventilation failure", as required by the Canadian Electrical code, we will be replacing the airflow sensor with the "TachOP" Printed Circuit Board. The TachOP PCB will only send a "No Air" signal to the Status Board and external alarms when it detects a fan failure via a tachometer output signal from the fan.

This change will take place September 1 2018 and all request for quotes and/or shop drawings received after September 1 2018 will be with the new TachOP PCB instead of the airflow sensor. All quotes and/or shop drawings sent out prior to September 1 2018 will have the option of switching to the TachOP PCB or staying with the airflow sensor.

If you have any questions or concerns regarding the TachOP PCB and its function please do not hesitate to contact us either by phone at 403-930-1284 or 403-272-0562, or via email at [techsupport@dexoncanada.com](mailto:techsupport@dexoncanada.com)