

Vektor® System Control

Pre-Engineered Controls for Vektor Fan Assemblies

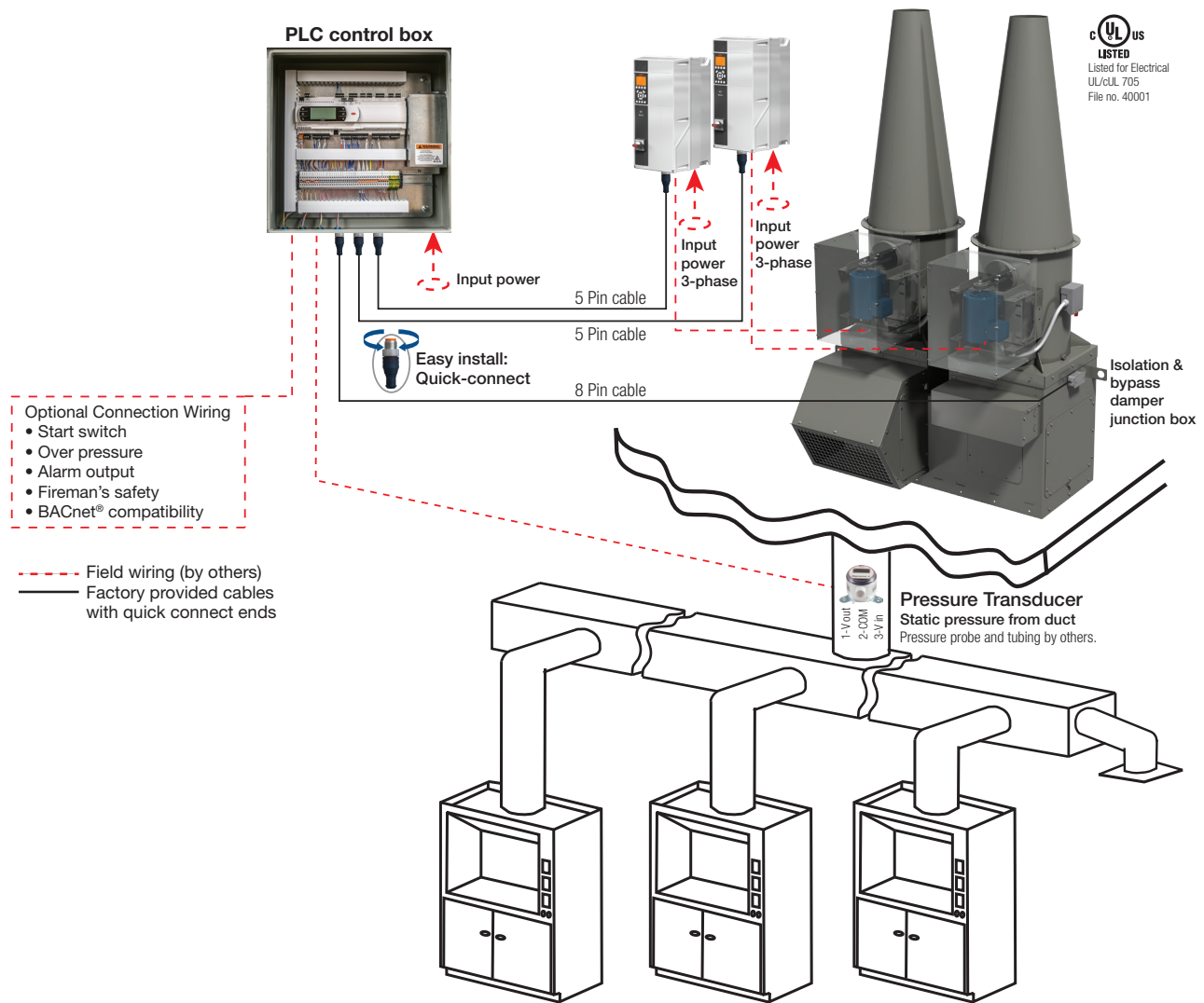
Greenheck's Vektor® product line is now available with pre-engineered controls to assist in safely reducing the cost of energy in variable volume labs. The Vektor system control maintains duct static pressure while allowing for energy savings. The system control is a complete pre-engineered, factory-programmed system designed for Vektor fan assemblies; installation, start-up and operation is sure to be a breeze!



System Control

- Duct static pressure transducer
- Factory-programmed programmable logic controller (PLC) inside a NEMA-3R enclosure
- Variable frequency drive(s) (VFD) (one per fan) – factory-programmed, quick connect cable to PLC
- Prewired dampers to a single point on the plenum, quick-connect cable to PLC

Easy to Specify	Easy to Install	Easy to Commission and Operate
<ul style="list-style-type: none"> • Complete controls system • Factory-programmed to each system • Utilizing advanced sequence of operation 	<ul style="list-style-type: none"> • Majority of controls wiring uses quick connect cables • PLC and VFD remote mounted for freedom of installation location • Factory-programmed for reduced set-up time 	<ul style="list-style-type: none"> • Factory-programmed advanced sequence of operations • Operates independently or connect to building management system (BMS) using BACnet® MSTP • Access all data (PLC & VFD) in one BACnet connection



Sequence of Operation:

The system controls fan speed and/or bypass damper to maintain duct static pressure set point.

- Variable frequency drive (VFD) modulate fan speed.
- With the fan at minimum speed, the damper will open.
- The damper closes before the fan speeds up.

Multi-fan System Operation (Field adjustable within PLC)

- Operate N+1 or N-1 redundancy
- Sequence fans on or off
- Switching of primary fan for equal run time

For more information regarding the Greenheck Vektor controls, visit www.greenheck.com or consult your local Greenheck sales representative.

