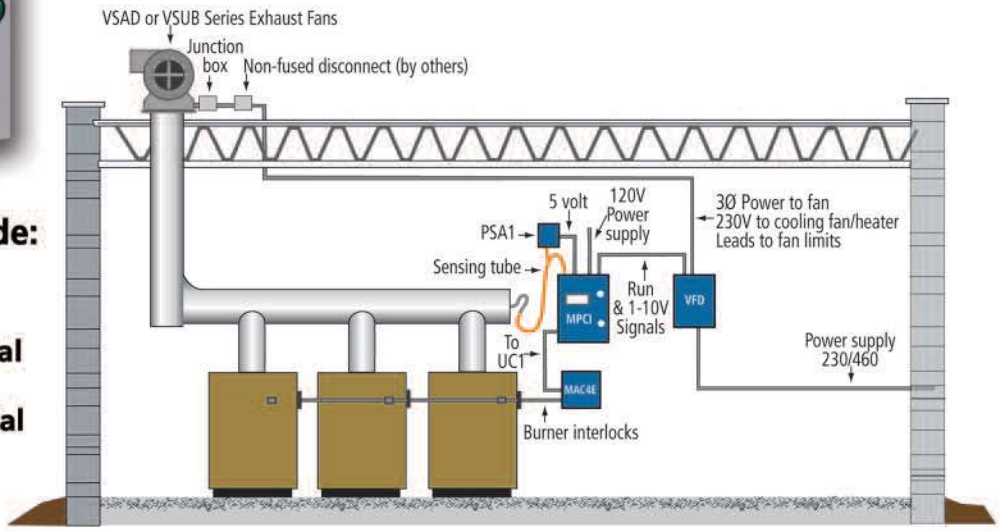
Models MPC and MPCI
Automatic Pressure-Based Fan Controllers
For exhaust and supply air systems

- MPC Series Controllers maintain desired vent system pressure set points by monitoring changing vent system pressure and outputting a 1-10 VDC signal to adjust fan speed.
- Modulates fan speed to match varying exhaust volumes common within exhaust chases serving high-rises, apartments and hotels.



Typical Applications include:

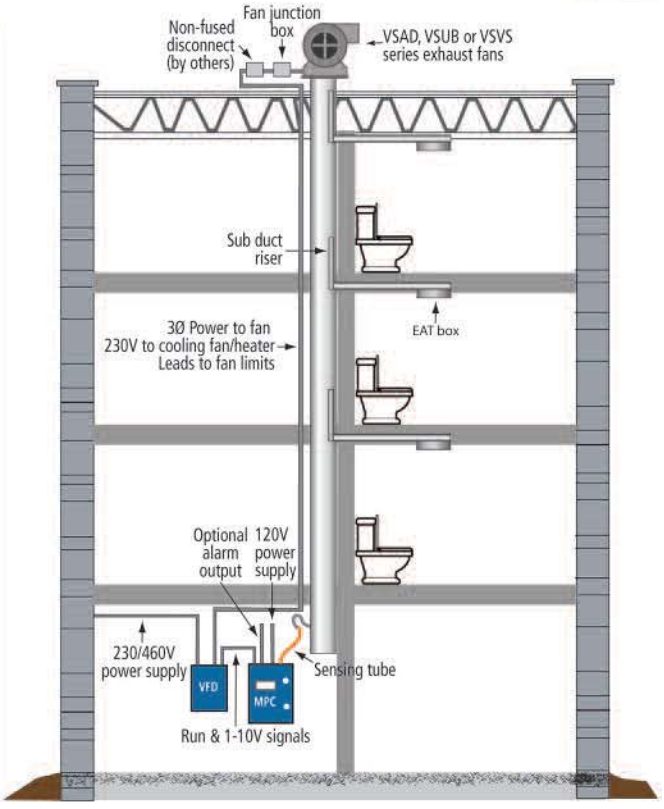
- Multi-Story Kitchen & Bathroom Exhaust Shafts
- Chase Exhausted Residential Clothes Dryers
- Common Ducted Commercial Clothes Dryers
- Common Vented Boilers/Water Heaters

Models MPC and MPCI

- Can be used directly with most ECM powered fans or in conjunction with a VFD to control the speed of 3 phase motor powered fans. Control pressures to within 0.01" W.C. of set point.
- Include a controller with integral pressure transducer and field wiring ready terminal strips. Factory presets fit a majority of applications and can be easily adjusted with simple two button interface.
- Feature an 18 gauge galvanized steel electrical enclosure with hinged access door. Large run and fault indicators are visible with access door closed. Fault indicator also emits audible alarm.
- The alarm circuit initiates 10 seconds (MPC) or 70 seconds (MPCI) after the fan reaches full speed and system set point is not obtained. NO or NC auxiliary alarm contacts can be tied to a building management system.

Model MPCI

Includes a burner circuit interlock for mechanical draft and combustion air applications. Expansion modules are available so that multiple burner circuits can be interlocked with a single MPCI Controller.



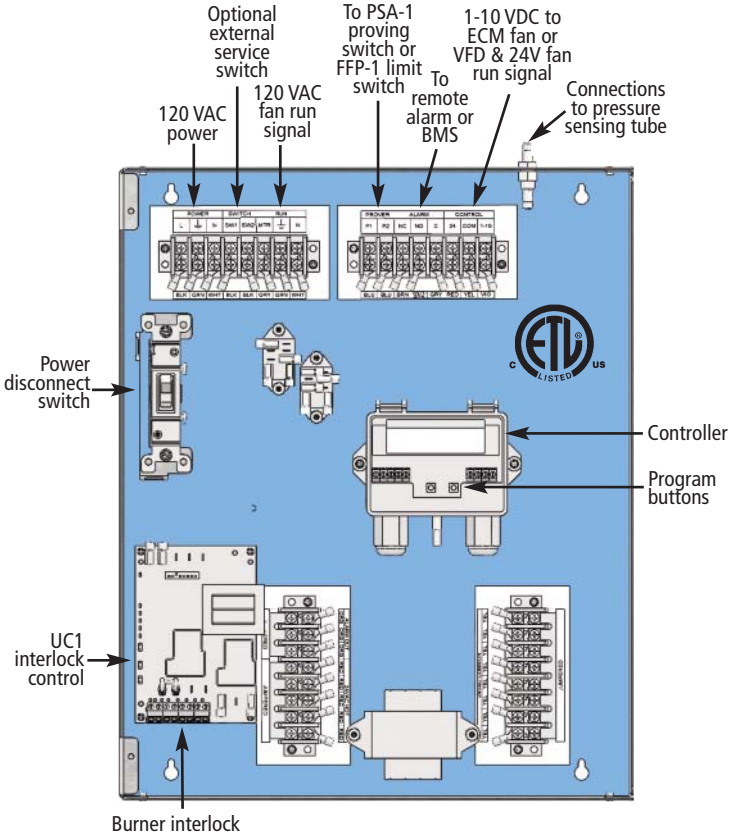
MPC AND MPCI Automatic Pressure-Based Fan Controllers

Demand-based fan modulation saves energy

Fans operate at low speed the majority of time and automatically speed up and down to meet varying exhaust demand. Power consumption often is reduced by more than 50% compared to traditional fixed speed exhaust fans.

Reduce the volume of make-up air by automatically modulating exhaust air or supply air to meet actual demand. Substantially reduce costs of conditioning excessive make up air compared to fixed speed exhaust fans.

MPCI, MPC* External Connections



**Model MPC does not have UC1 interlock. Both controllers include sampling tube and hardware.*

Dimensions

Made with Pride in the U.S.A.

Program Option	Factory Presets	Adjustment Range
Exhaust Pressure:	-0.10" W.C.	-0.01" to -0.40" W.C.
Supply Pressure:	+0.00" W.C.	+0.01" to +0.40" W.C.* *Install wire jumper for supply mode
Alarm Circuit Time:	10 Sec.	1 second to 15 min.
Acceleration Rate:	50	Scale of 1 to 999
Power Requirements:	120 VAC, 7 amps	

MAC1E & MAC4E Multiple Appliance Interlock Controls

Tjernlund offers MAC controls to interlock additional burner circuits with the UC1 board of MPCI Controller. Controls are powered by and communicate with UC1 through included color coded whip. Use MAC1E for one additional burner and MAC4E for up to four additional burners.

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