



Submittal Data Sheet MPCI MODULATING PRESSURE CONTROLLER - INTERLOCKED

Job Name: _____

Equipment Rep: _____

Contractor: _____

Prepared By: _____

Arch./Engr.: _____

Date: _____

MPCI Modulating Pressure Controller - Interlocked

Description

MPC-Series offer reduced cost, simplified plug-and-play installation, 2-button set point adjustment and an integrated pressure transducer. Model MPCI includes the integral UC1 burner circuit interlock for mechanical draft and combustion air applications. MAC-Series expansion modules are available so multiple burner circuits can be interlocked with a single MPCI Controller.

Benefit

Save energy by monitoring pressure in exhaust and supply air vents and outputting a signal to adjust fan speed to maintain a desired chase/vent pressure set point as volumes change. Power consumption can be reduced by more than 50% compared to traditional fixed speed exhaust fans. What's more, significant savings from conditioning smaller volumes of make-up air is achieved.

Features

The 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. Pressure set point is controlled to within 0.01" W.C. The MPCI includes a controller with integral pressure transducer factory-wired into field wiring ready terminal strips. Factory presets that fit a majority of applications can be easily adjusted with the simple two-button interface. Large run and fault indicators are visible with access door closed. A fault indicator also emits an audible alarm. The alarm contacts can be tied to a building management system.

Material

18-gauge galvanized steel electrical enclosure with hinged access door

Listings

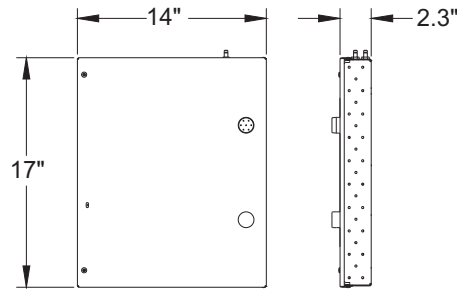
ETL C/US to UL508 and CSA C22.2

Warranty

1 year Warranty

Optional Controls

- MAC1E Multiple Appliance Control
- MAC4E Multiple Appliance Control
- IPS-1 Indoor Pressure Sensor with Decorative Cover
- VFD-Series Variable Frequency Drives



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	

