



Submittal Data Sheet

COP2DB CONSTANT OPERATING PRESSURE CONTROL

Job Name: _____

Equipment Rep: _____

Contractor: _____

Prepared By: _____

Arch./Engr.: _____

Date: _____

Description:

The COP2DB is a Constant Operating Pressure Control that incorporates a 120/1/60 Variable Frequency Drive. It modulates the speed of an exhaust fan to maintain a user adjustable negative pressure set point. **Use only with Tjernlund Products' model CDB8 Booster Fan.**

Pressure is measured in dryer duct at the farthest point from the exhaust fan inlet with the included pressure transducer and sensing tube kit. As exhaust volume increases within the duct, the resulting reduction in measured pressure causes the COP2DB control to increase voltage & frequency to the fan. It speeds the fan up to handle the additional exhaust volume and slows it down when the exhaust volume is reduced, modulating fan speed to maintain optimal dryer exhaust velocity. Changes in wind, temperature and building pressure are automatically compensated for.

Controller Features:

Dip switch adjustable exhaust pressure set point: -0.05" WC to -0.53" WC in 0.01" WC increments.

Dip switch adjustable acceleration speeds: Fast/10 Seconds, Medium/20 seconds, Slow/30 seconds

Accuracy: 0.02" W.C.

6 to 70 Hz. Frequency modulation range

Over current and VFD over temperature protection

LED power and fault indicator

VFD Power Switch

Thermostatically activated VFD Cooling Fan

RoHS Compliant

Material:

The housing is made from 18 gauge galvanized steel. It has NEMA class 1 construction

Warranty:

1 Year warranty

Power Supply:

115 VAC, 60 Hz, 7.0 Amps

Operating Temp:

-4° F to 104° F

Dimensions

(H x W x D):

COP2DB 11.5" x 11" x 5.5"

COP2 Transducer 6" x 5" x 1.5"

Ship Weight:

12 lbs

Standard Equipment:

COP2DB Control & COP2 Series Pressure Transducer

