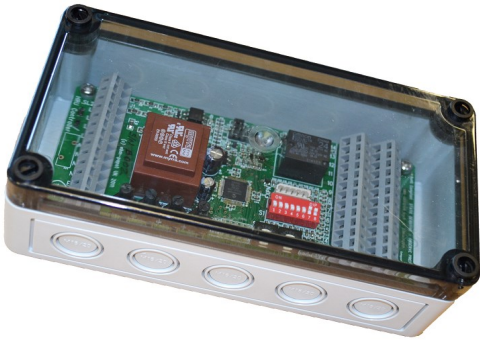


Demand Ventilation Controller



The Demand Ventilation Controller (DVC) is a demand control ventilation unit designed specifically for industrial / commercial applications. The controller is a mains powered, single / multiple fan speed controller suitable for all ebm-papst EC 0-10V and most PWM Open Collector speed controllable fans.

Configurable Closed Loop PID control, single sensor, for e.g. Constant Pressure / Constant Volume applications.

Configurable Open Loop Proportional Band control, either one or two sensors, e.g. for use with Temperature, Humidity, CO2 sensors etc.

Compatible with 0-10V type sensors. Single or multiple fans.

Part Number	Supply Voltage VAC	Frequency Hz	Ambient Temperature °C	Max Humidity %RH	Length mm	Width mm	Height mm	IP Rating
CN1090	230	50	-30...60	95	180	93	58	66
CN1090U (Unboxed)	230	50	-30...60	n/a	157	71	31	0

- Switched Live and Volt Free inputs:
 - Stop / Run control
 - Fan Speed / Set-point select input
- Alarm output for fail, solid state relay 60V / 0.1A contacts
 - LED's - Fans ok/Fault
 - LED's Fan1 / Fan2 run
- 0-10V Sensor input connections, 24VDC Sensor Supply output, One or Two sensors.
- Proportional Band Control set-points for up to two sensors, minimum & maximum fan speed cap set
- Closed Loop PID Control set-points, PID response & maximum speed cap set
- Selectable either Simultaneous or Alternate Fan Run, selectable change-over period, selectable Single Fan use.
- Tachometer monitoring up to Two fans, Control of 1-24 Fans per controller, maximum 12 Fans per 0-10V/PWM output.
- BMS remote enable input

