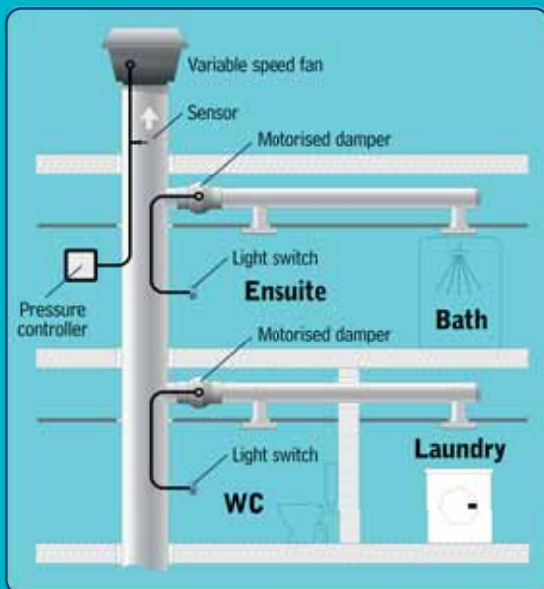


Our innovative new system with variable fan control for major energy savings

Airaway is now able to assist developers, architects and consultants with new Green Projects requiring 5 Star and Green Building energy specifications with delivery of our state of the art **Diversity System** which incorporates integrated variable fan speed technology.

Germany's premier prestige fan manufacturer Ziehl-Abegg has recently introduced a revolutionary development: the EC (Electronically Commutated) fan range. The fan is single phase A/C power in with an inverter providing DC power to the motor. The outstanding feature of this remarkable fan range is the ability to be speed controlled from 2% to 100% by a simple potentiometer or via a controller capable of accepting input from a sensor and using that signal to provide proportional output in the 0 to 10 volt range. In our **Diversity System** a differential pressure sensor provides the 0 to 10 volt signals.

The **Diversity System** integrates with BMS (Building Management Systems) for the ultimate in control and reporting.



Diversity System

At last! An intelligent fan control system which delivers massive savings of typically 60% over traditional continuous operation roof mounted exhaust fans. Featuring a combination of motorised dampers, pressure sensors and infinitely variable speed fans the **Diversity System** is truly an on-demand system. The fans react in real time to continually changing load. Fan speed is purely dependent on the number of occupant demands on the system at any one time. When occupants sleep the fan also sleeps at minimum speed and saves precious energy!



By ensuring that the system only runs on an as needs basis, the following benefits accrue:

- Fan noise reduced - benefits building occupants and neighbours
- Energy consumption reduced by major factor (typically 60%)
- Maintenance and running costs reduced
- Can be used to assist in achieving minimum BCA 5 Star and Green Building specification requirements
- Maximum demand penalties reduced
- Adjust operating range for summer and winter operation
- Attain maximum efficiency by tailoring the minimum and maximum operating speeds



Motorised Damper benefits:

- Bi-directional 90 degree operation
- Motor switches off after each rotation to save power
- Steel shaft for reliability
- 8 year warranty
- 5 W maximum consumption
- High torque motor 1.5 Nm capacity

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