CO^2 Air Quality Sensors

In today's day and age with an increased awareness to how we can reduce our global carbon foot print and energy consumption, we are always looking to incorporate innovative devices to help achieve this.

Project Application:

The control of heat recovery ventilation systems, within Blackpool Victoria Hospital Education suite.

The education suite has several training rooms with occupancy levels varying from 10-100 person capacity; they may be partially or fully occupied on any given day.
To reduce the running cost the following CO^2 devices have been incorporated to control the heat recovery ventilation units. These sensors control the rate of ventilation based on air quality, so as the occupancy level increases the air quality deteriorates and so the device increases the ventilation rate to compensate for the additional demand.

Key Features & benefits

- Increase ventilation rate based on air quality
- Stop start speed up fans based on air quality
- Can be incorporated with a step controller for multiple fan speed
- Can be used with supply & extract systems
- Only providing the amount of fresh air required
- Reduces the risk of drafts and lowers air flow rate
- Saving money and reducing Carbon Foot Print

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